5

SUBJECT: Piggyback General Services Administration Pursuant to Contract # 47QTCA20D0077 – Network Infrastructure Services with Lumen Technologies Government Solutions, Inc.

BID #: PSC-0345-24 **OPEN DATE: N/A**

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT: PIGGYBACK CONTRACT – RETROACTED FROM DECEMBER 20, 2023 - DECEMBER 19, 2026

AGENCY: INFORMATION TECHNOLOGIES DIVISION

BASIS OF AWARD: PIGGYBACK CONTRACT

NUMBER OF BIDS INVITED: N/A **NUMBER RECEIVED**: N/A **OTHER**: N/A

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
Recommend approval to retroact the period of service from December 20, 2023 through date of executed contract.

Recommend approval to Piggyback GSA Contract No. 47QTCA20D0077 for the purchase of IT equipment, software and services with Lumen Technologies Government Solutions, Inc., formerly Level 3 Communications, LLC. Period of service will be from date of executed contract through December 19, 2026. Estimated annual expenditure amount is $204,000.00. Total expenditure not-to-exceed $612,000.00.

FUNDING SOURCES: 53101.113001.541020.000000.00000000.00000.0000000, to be executed by formal contract through Office of General Counsel and process by purchase order(s).

ATTACHMENTS: Recommendation Memo; Risk Approval; Vendor Quote; Contract

ANALYST: _____
Corey Sidlo

RESPECTFULLY SUBMITTED _____
DUSTIN FREEMAN, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: Wanyonyi Kendrick, Chief of Information Technologies Division/CIO

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING _____ MEMBERS DISAPPROVING _____ DATE: _____

_____ _____ OTHER: _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED _____ DISAPPROVED _____

OTHER _____

SIGNATURE OF AUTHENTICATION _____

INFORMATION TECHNOLOGIES DIVISION

A NEW DAY

MEMORANDUM

TO: Dustin L. Freeman, Chief of Procurement Division

THROUGH: Wanyonyi Kendrick, Chief of Information Technologies / CIO

Wanyonyi Kendrick Digitally signed by Wanyonyi Kendrick Date: 2024.01.26 16:19:38 -05'00'

FROM: Thomas Ossi, Technology Contract and Records Manager

Thomas Ossi Digitally signed by Thomas Ossi Date: 2024.01.26 15:01:22 -05'00'

SUBJECT: **Piggyback General Services Administration Contract for Network Infrastructure Services with Lumen Technologies Government Solutions, Inc.**

DATE: **January 26, 2024**

The Information Technology Division (ITD) requests approval to piggyback GSA Contract No. 47QTCA20D0077 for IT Equipment, Software and Services with Lumen Technologies Government Solutions, Inc. The period of service for the GSA awarded contract began March 12, 2020, through ultimate contract end date March 11, 2040. Lumen provides critical connectivity transport (wavelength services) via diverse routes to connect the Ed Ball Building Data Center, Julia Street Building, to the City's backup disaster recovery site at the Lumen Data Center facility in Atlanta, GA. (colocation services).

ITD Management recommends utilizing the competitively procured award using the pre-existing terms, conditions, and pricing. The period of service will retroact from December 20, 2023, through December 19, 2026, for a three-year term. The estimated monthly amount for colocation service and wavelength service is $17,000.00. The estimated annual expense is $204,000.00. The estimated not to exceed amount for the three-year term is $612,000.00.

Upon award approval, a request for a formal contract will be made through the Office of General Counsel.

Funding Source: 53101.113001.541020.000000.00000000.00000.0000000

Tracy Geake Digitally signed by Tracy Geake Date: 2024.01.26 16:03:36 -05'00'

Your favorable consideration of our request is greatly appreciated.

Attachments: Supplier Quotes Numbers - DOC-0001332025 / DOC-0001332011
Supplier Order / Supplier Name Change
GSA Contract No.47QTCA20D0077

cc: William Costa, Technology Infrastructure Manager
Jeremy McDaniel, Network & Telecom Infrastructure Manager
Elizabeth Brown, IT Operations Manager
Ruben Ola, Contract Compliance Analyst

FINANCE AND ADMINISTRATION DEPARTMENT
214 N. Hogan St. 9th Floor Jacksonville, FL 32202
Phone: 904-255-8000 Fax: 904-232-6932

AMENDMENT NUMBER 5 TO
CENTURYLINK MASTER SERVICE AGREEMENT
STATE, LOCAL AND EDUCATION GOVERNMENT AGENCIES VERSION

This Amendment Number 5 ("Amendment") is between **Level 3 Communications, LLC which is now an affiliate of CenturyLink Communications, LLC** ("CenturyLink") and **City of Jacksonville, Florida** ("Customer"). It amends the applicable Master Service Agreement – State, Local and Education Government Agencies Version effective July 2, 2018 between the parties (Customer Contract # 9825-01), as previously amended (collectively, the "Agreement"). This Amendment shall be referred to as Amendment Number 5. This Amendment is effective on the date the last party signs it (the "Amendment Effective Date"). This Amendment provides the terms and conditions applicable to Customer's purchase of products and services identified in this Amendment ("Services") from CenturyLink. Except as set forth in this Amendment, capitalized terms will have the definitions assigned to them in the Agreement.

1. Term of Services. Both parties agree to allow City of Jacksonville, to extend their Wave and Colocation Services for the period of 120 days ending December 19, 2023.

2. Section 4.4 Maximum Indebtedness. The second sentence of Section 4.4 is amended to read as follows:

"It is acknowledged that Customer's maximum indebtedness for Services provided pursuant to this Agreement shall not exceed the sum of NINE HUNDRED SIXTY-NINE THOUSAND SEVEN HUNDRED FIFTY-SEVEN AND NO/100 DOLLARS ($969,757.00) ("Maximum Indebtedness")."

3. Miscellaneous. All other terms and conditions in the Agreement will remain unchanged and in full force and effect and be binding upon the parties. This Amendment and the Agreement set forth the entire understanding between the parties as to the subject matter, and if there are any inconsistencies between the two documents, the terms of this Amendment will control. This Amendment may be executed in one or more counterparts, all of which taken together will constitute one instrument. Digital signatures and electronically exchanged copies of signed documents will be sufficient to bind the parties to this Agreement.

Level 3 Communications, LLC which is now an affiliate of CENTURYLINK COMMUNICATIONS, LLC	**CITY OF JACKSONVILLE, FLORIDA**
Steve Arneson	Karen Bowling
Authorized Signature	Authorized Signature
Steve Arneson	Karen Bowling
Name Typed or Printed	Name Typed or Printed
Manager - Offer Management	~~Chief Administrative~~ Officer
Title	For: Mayor Donna Deegan
Sep 6, 2023	~~Under Authority Of~~:
Date	Executive Order No: 2023-02
	9/20/2023
	Date

FOR INTERNAL CENTURYLINK REFERENCE
Contract ID(s) of Agreement being amended: 1165602

In compliance with the Ordinance Code of the City of Jacksonville, I do certify that there is an unexpanded, unencumbered and unimpounded balance in the appropriation sufficient to cover the foregoing Agreement and that provision has been made for the payment of the monies provided therein to be paid.

Director of Finance

FORM APPROVED

By: _____
Office of General Counsel

ATTEST:

Corporation Secretary
City of Jacksonville

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APPROVED
By Kevin at 2:53 pm, Jan 31, 2024

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 11/20/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
MARSH USA LLC.
CA License #0437153
1301 5th Avenue, Suite 1900
Seattle, WA 98101-2682
Attn: Seattle.certrequest@marsh.com / Fax: 212-948-4326
CN102197661-STND-ALL-23-24

CONTACT NAME:
PHONE (A/C, No, Ext):
FAX (A/C, No):
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Greenwich Insurance Company	22322
INSURER B : XL Specialty Insurance Co.	37885
INSURER C : Allianz Underwriters Ins Co	36420
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Lumen Technologies, Inc.
and all subsidiaries, including but not limited to:
Qwest Corporation; Embarq Corporation; Level 3 Communications, LLC and CenturyLink Communications, LLC
100 CenturyLink Dr.
Monroe, LA 71203

COVERAGES **CERTIFICATE NUMBER:** SEA-003975301-01 **REVISION NUMBER:** 2

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X CONTRACTUAL LIABILITY GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY PRO-JECT LOC OTHER:	X	X	RGD500033311	09/01/2023	09/01/2024	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 3,000,000 $ 500,000 $ 10,000 $ 3,000,000 $ 15,000,000 $ 15,000,000 $
A	AUTOMOBILE LIABILITY X ANY AUTO X OWNED AUTOS ONLY X HIRED AUTOS ONLY SCHEDULED AUTOS X NON-OWNED AUTOS ONLY	X	X	RAD500033411 Auto Physical Damage - Self Insured	09/01/2023	09/01/2024	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 2,000,000 $ $ $ $
C	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $	X	X	U5Z000023220	09/01/2023	09/01/2024	EACH OCCURRENCE AGGREGATE	$ 10,000,000 $ 10,000,000 $
B B B B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N N If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	X	RWD500032911 (AOS) RWR500033011 (WI) RWE500033111 (WA) RWE500033211 (OH)	09/01/2023 09/01/2023 09/01/2023 09/01/2023	09/01/2024 09/01/2024 09/01/2024 09/01/2024	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
C	Technology E&O incl. Cyber/Privacy Liability			U5Z000023220	09/01/2023	09/01/2024	Each Claim/Aggregate Retention	10,000,000 5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Re:Sourcewell Piggyback Contract #042021
City of Jacksonville it's members, Officals, Officers, employees and agents are included as Additional Insured as respects their interest in the operations of the Named Insured as required by contract or agreement regarding General Liability, Auto Liability, and Umbrella Liability. This insurance is primary and non-contributory over any existing insurance and limited to liability arising out of the operations of the named insured and where required by written contract. Certificate holder is provided a waiver of subrogation under General Liability, Auto Liability and Workers Compensation as required by written contract.

CERTIFICATE HOLDER
City of Jacksonville
117 West Duval Street, Suite 335
Jacksonville, FL 32202-3381

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
of Marsh USA LLC
Kathleen J. Stephen

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AGENCY CUSTOMER ID: CN102197661
LOC #: Seattle

ADDITIONAL REMARKS SCHEDULE

AGENCY	NAMED INSURED
MARSH USA LLC.	Lumen Technologies, Inc. and all subsidiaries, including but not limited to: Qwest Corporation; Embarq Corporation; Level 3 Communications, LLC and CenturyLink Communications, LLC 100 CenturyLink Dr. Monroe, LA 71203
POLICY NUMBER	
CARRIER / NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

---------- GENERAL LIABILITY ----------

Automatic Additional Insured's Primary Coverage
Additional Insured as respects your interest in the operations of the Named Insured as required by contract or agreement.
Coverage provided by the above General Liability policy shall be primary and is limited to liability arising out of Named Insured's ownership and/or operations. Any insurance carried by the additional insured shall not be contributory insurance.
Waiver of Transfer of Rights of Recovery Against Others to Us (Waiver of Subrogation) – any person or organization with whom you have entered into a contract or agreement, or by statute, law or code of ordinance. Separation of Insureds Applies. Insurance covers incidents that occur within 50' of railroad property, any railroad exclusions have been deleted per endorsement CG2417.

---------- AUTOMOBILE LIABILITY ----------

Any person or organization you are required in a written contract, agreement, statute, law or code of ordinances provided the "bodily injury" or "property damage" occurs subsequent to the executive of the contract, agreement, statute, law or code of ordinances.
Lessor - Additional Insured and Loss Payee - All Lessors
Waiver of Transfer of Rights of Recovery Against Others to Us (Waiver of Subrogation) – Any person or organization with whom you have waived prior to the "accident" or the "loss" under a contract with that person or organization, or under statute, law or code of ordinances.

---------- WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY AND EXCESS WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY (OH & WA - SELF-INSURED - $1,000,000 RETENTION) ----------

Waiver of Our Right to Recover from others Endorsement – Where required by written agreement signed prior to loss, or required by statute, law or code of ordinances executed prior to loss.

---------- EXCESS/UMBRELLA ----------

Coverage applies per occurrence. Additional Insured as respects your interest in the operations of the Named Insured as required by contract or agreement. Waiver of Transfer of Rights of Recovery Against Others to Us (Waiver of Subrogation) - Any person or organization with whom you have entered into a contract or agreement, but only to the extent required by such contract or agreement. Separation of Insureds Applies.

---------- COMMERCIAL CRIME - FIDELITY BOND ----------

Carrier: XL Specialty Insurance Company
Policy Number: ELU19204423
Effective Dates: 09/01/2023 - 09/01/2024
Deductible: $2,500,000
Each Occurrence: $15,000,000

---------- U.S. PROPERTY ----------

Carrier: Allianz Underwriters Insurance Company
Policy Number: U5Z000023220
Effective Dates: 09/01/2023 - 09/01/2024
Limit: $25,000,000
Deductible: $25,000,000

Property Coverage: "All Risk" of Direct Physical Loss or Damage to All Real and Personal Property, including Boiler & Machinery, Earthquake, Flood and Wind - Replacement Cost Basis, and Business Interruption - Actual Loss Sustained.
Loss Payee or mortgagee as required by written contract/loan agreement to the the extent of your insurable interest. Waiver of Subrogation - Any person or organization whom you have entered into a contract or agreement, but only to the extent required by such contract or agreement. Other deductibles may apply as per policy terms and conditions.

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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
	1 | 2

AMENDMENT/MODIFICATION NUMBER	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQUISITION NUMBER	5. PROJECT NUMBER (If applicable)
PS-0019	Mar 16, 2021		MAS

6. ISSUED BY CODE

General Services Administration
OFFICE OF IT SCHEDULE PROGRAMS
1800 F ST. NW
WASHINGTON DC 20405

7. ADMINISTERED BY (If other than Item 6) CODE

GSA/FAS/QV0CC
10 CAUSEWAY ST
BOSTON MA 02222

8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code)

QWEST GOVERNMENT SERVICES INC
4250 N FAIRFAX DRIVE

ARLINGTON, VA 222031665

(X)

9A. AMENDMENT OF SOLICITATION NUMBER

9B. DATED (SEE ITEM 11)

X

10A. MODIFICATION OF CONTRACT/ORDER NUMBER
47QTCA20D0077

10B. DATED (SEE ITEM 13)
Mar 12, 2020

CODE | FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[ ] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [ ] is extended [ ] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers.FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.

CHECK ONE

[ ] A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.

[ ] B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

[X] C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: See Block 13 Notes...

[ ] D. OTHER (Specify type of modification and authority)

E. **IMPORTANT:** Contractor: [ ] is not [X] is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Necessity of Mod: To accept and incorporate the attached change of name agreement into the contract in its entirety. In accordance with the attached change-of-name agreement, which is hereby incorporated into the contract, the contractor s name is changed as follows:

Old: Qwest Government Services, Inc d/b/a CenturyLink QGS
New: Lumen Technologies Government Solutions, Inc.

Continue next page

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remain unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Shelley Rohleder	Jessica Ocampo

15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
Shelley Rohleder (Signature of person authorized to sign)	3/17/2021	By Jessica Ocampo (Signature of Contracting Officer)	3/17/2021

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Continuation of Description...

The contractor s legal business name in SAM will reflect the new name change as proposed. The estimated dollar value of the contract remains unchanged. All terms and conditions remain unchanged.

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Block 13 Notes

Block 13.C:

42.1205

List of Documents for the eMod Package:

File Name: QGSI_to_LTGSI_Name_Change_signed.pdf
Submit Date: 3/16/2021 9:38:05 AM
Description: Change of name FAR requirements

File Name: QGSI to LTGSI Name Change Exhibit A 01-21-2021.pdf
Submit Date: 3/16/2021 9:30:04 AM
Description: Affected contracts and/or orders

File Name: QGSI_to_LTGSI_Name_Change_signed.pdf
Submit Date: 3/16/2021 9:33:23 AM
Description: Change of name FAR requirements

File Name: Legal Opinion Name Change.pdf
Submit Date: 3/16/2021 9:31:44 AM
Description: Legal opinion - change of name

File Name: Name Change Mod Cover letter.pdf
Submit Date: 03/16/2021 13:57:56:68
Description: Mod Cover Letter

ORDER AMENDMENT

This **AMENDMENT TO CUSTOMER ORDER** ("Amendment") is entered into as of the last date of signature below (the "Amendment Effective Date"), by and between **Lumen Technologies Government Solutions, Inc.** ("Lumen") and **City of Jacksonville** ("Customer"), and modifies the Customer Order with Document Number **Doc-0001327893 (Wavelength), and Doc-0001327876 (Colocation)** (the "Customer Order"), a copy of which is attached hereto as EXHIBIT A and EXHIBIT Bt . Lumen and Customer may be referred to herein collectively as the "Parties" and individually as a "Party."

WHEREAS the Parties wish to modify the Customer Order to incorporate revised terms applicable to the same.

NOW THEREFORE, the Parties agree to modify the Customer Order in the following limited respects:

1. **Order Submittal.** Contemporaneously with the execution of this Amendment, Customer shall execute and deliver the Customer Order to Lumen.

2. **Section 4**. The Parties acknowledge and agree that Section 4 in the terms and conditions is replaced with the following:

   "4. Customer places this Order by signing (including electronically or digitally) or otherwise acknowledging (in a manner acceptable to Lumen) this document and returning it to Lumen. The Service identified in this Order shall be governed by and subject to the contract number **47QTCA20D0077** between GSA and Lumen Technologies Government Solutions, Inc. Customer agrees to the terms and conditions set forth in the Schedule 70 contract between Lumen Technologies Government Solutions, Inc. and GSA and hereby confirms that it will follow the cooperative purchasing requirements set out by GSA. The service level agreement(s) for the Service(s) contained in this Order are subject to Lumen's standard Service Schedule(s) (as of the date of this Order), a copy of which are available upon request. Services contained within this Order that are not contained on the Schedule 70 contract shall be governed by and subject to the Master Service Agreement(s) and Service Schedule(s) (if any) between Lumen and Customer for those Service(s) not contained on the Schedule 70 contract applicable to such Service(s). The applicable agreement may be between Customer and Lumen's affiliate if expressly provided for under such affiliate Master Service Agreement. If Customer has not executed a Master Services Agreement with Lumen but has executed a services agreement (including but not limited to Standard Terms and Conditions) with an affiliate of Lumen ("Affiliate Agreement"), then the terms of the most recent such Affiliate Agreement shall apply to the Service herein (to the extent not inconsistent with this Order) provided that in such cases, the current standard Lumen Service Schedule applicable to the Services shall apply. In the event that Lumen and Customer have not executed a Master Service Agreement and/or applicable Service Schedule(s) with respect to such Service and have not executed an Affiliate Agreement, (i) Lumen's standard Master Service Agreement/Service Schedule(s) (as of the date of this Order) shall govern, a copy of which are available upon request and (ii) the Lumen contracting party shall be the Lumen entity invoicing such Services. Notwithstanding anything in any Affiliate Agreement to the contrary, Lumen's acceptance of this Order will be evidenced by (and this Order will be binding on both parties upon) the earlier of Lumen's written delivery of a Customer Commit Date ("CCD") (i.e. the projected installation date) or Lumen's delivery of the requested Service, and, at the end of the Service Term the Services set forth herein shall renew on a month to month basis, terminable by either party with 30 days' advanced written notice and the rates are subject to change upon 30 days' notice from Lumen. "Affiliate Agreement" for CenturyLink Communications. LLC d/b/a Lumen Technologies Group ("Lumen") or any companies that were affiliates of Lumen before the merger between CenturyLink, Inc. and Level 3 Communications, Inc. means only an applicable Interexchange Carrier network agreement (e.g. CenturyLink Total Advantage Agreement, CenturyLink Total Advantage Express Agreement, CenturyLink Wholesale Services Agreement or CenturyLink Master Service Agreement) for non-government customers. In the event of a Lumen Affiliate Agreement, (a) Lumen will deliver a written or electronic notice that the Service is installed (a "Connection Notice"), at which time billing will commence, and (b) if Customer cancels or terminates Service for any reason other than Lumen's uncured default or if Lumen terminates due to Customer's uncured default, Customer shall pay Lumen's standard early termination liability charges as identified in Lumen's ancillary charge summary, a copy of which is available upon request."

3. **Limitation**. This Amendment shall apply to the Customer Order and shall have no applicability to any other Customer Order(s) that Customer may have submitted or may submit to Lumen in the future.

These terms and conditions have been read, are understood, and are hereby accepted as of the Amendment Effective Date.

LUMEN TECHNOLOGY GOVERNMENT SOLUTIONS, INC. ("Lumen")	**CITY OF JACKSONVILLE** ("Customer")
By:_____	By:_____
Name:_____	Name: _____
Title:_____	Title:_____
Date:_____	Date:_____

EXHIBIT A

THE CUSTOMER ORDER

[SEE ATTACHED]

EXHIBIT B

THE CUSTOMER ORDER

[SEE ATTACHED)

Document No. DOC-0001332011
Scenario: SM10403823

LUMEN®

Customer Information and Contract Specifications

Customer Name: City of Jacksonville
Account Number: 1-5BWBYN

Currency: USD
Monthly Recurring Charges (MRC): $855.00
Non Recurring Charges (NRC): 0

Service Order

Service Address	Description	Order Type	Term (Months)	Qty	Unit MRC	Unit NRC	Total MRC	Total NRC
180 PEACHTREE ST NW ATLANTA GEORGIA 30303 1760 UNITED STATES	**Service ID: 440764217 Colocation Standard Cabinet 332493389**	RenewalChange	co-term to 8/21/2026	1	$360.00	$0.00	$360.00	$0.00
	AC Single Phase Primary Power 332493390 - Voltage = 208 - Amperage = 30 - Primary Power = Level 3 NA AC 208V 30A Single Phase Primary Power			1	$450.00	$0.00	$450.00	$0.00
	Redundant Diverse Power 332493391 - Amperage = 30 - Voltage = 208			1	$45.00	$0.00	$45.00	$0.00
	Subtotal						**$855.00**	**$0.00**
	Totals						**$855.00**	**$0.00**

*If the Service Address column above is blank, no Service Address is required for the Service or the Service Address is identified as a data center in the Description column.

SLED Terms and Conditions Governing This Order

1. "Lumen" is defined for purposes of this Order as CenturyLink Communications, LLC d/b/a Lumen Technologies Group or its affiliated entities providing Services under this Order. This confidential Order may not be disclosed to third parties and is non-binding until accepted by Lumen, as set forth in section 4. Customer places this Order by signing (including electronically or digitally) or otherwise acknowledging (in a manner acceptable to Lumen) this document and returning it to Lumen. Pricing is valid for 90 calendar days from the date indicated unless otherwise specified.

2. Prior to installation, Lumen may notify Customer in writing (including by e-mail) of price increases due to off-net vendors or increased construction costs. Customer has 5 business days following notice to terminate this Order without liability; or otherwise, Customer is deemed to accept the increase.

3. If a generic demarcation point (such as a street address) is provided, the demarcation point for on-net services will be

Lumen's Minimum Point of Entry (MPOE) at such location (as determined by Lumen). Off-net demarcation points will be the off-net vendor's MPOE. If this Order identifies aspects of services that are procured by Customer directly from third parties, Lumen is not liable for such services.

4. The Service identified in this Order is subject to the Lumen or CenturyLink Master Service Agreement(s) and applicable Service Schedule(s) between Lumen and Customer (or its affiliate if expressly provided for under such affiliate Master Service Agreement). If Customer has not executed a Lumen or CenturyLink Master Service Agreement with CenturyLink Communications, LLC d/b/a Lumen Technologies Group but has executed a services agreement for applicable services with an affiliate of Lumen ("Affiliate Agreement"), then the terms of the most recent Affiliate Agreement will apply to the Service (to the extent not inconsistent with this Order); in such cases, the current standard Service Schedule applicable to the Services will apply. If Lumen and Customer have not executed a Lumen or CenturyLink Master Service Agreement and/or applicable Service Schedule(s) governing the Service and have not executed an Affiliate Agreement, Lumen's current standard Master Service Agreement/Service Schedule(s) will govern, a copy of which are available upon request. The Lumen entity providing Services is identified on the invoice.

Notwithstanding anything in any Affiliate Agreement to the contrary, Lumen will notify Customer of acceptance of requested Service in this Order by delivering (in writing or electronically) the date by which Lumen will install Service (the "Customer Commit Date"), by delivering the Service, or by the manner described in a Service Schedule. Lumen will deliver a written or electronic notice that the Service is installed (a "Connection Notice"), at which time billing will commence. At the expiration of the Service Term, Service will continue month-to-month at the existing rates, subject to adjustment by Lumen on 30 days' written notice. If the Affiliate Agreement governs and does not include early termination charges and if Customer cancels or terminates Service for any reason other than Lumen's uncured default or if Lumen terminates due to Customer's uncured default, then Customer will pay Lumen's standard early termination liability charges as identified in the Ancillary Fee Schedule at: www.lumen.com/ancillary-fees. "Affiliate Agreement" for CenturyLink Communications, LLC d/b/a Lumen Technologies Group or any companies that were affiliates of CenturyLink Communications, LLC before the merger with Level 3 Communications ("Merger") means only an applicable Interexchange Carrier (IXC) network agreement, e.g. CenturyLink Total Advantage Agreement, CenturyLink Total Advantage Express Agreement, or CenturyLink Wholesale Services Agreement (each, an Affiliate Agreement). Affiliate Agreement also includes an Agreement between Customer and any entity that was an affiliate of Level 3 Communications before the Merger.

5. Neither party will be liable for any damages for lost profits, lost revenues, loss of goodwill, loss of anticipated savings, loss of data or cost of purchasing replacement service, or any indirect, incidental, special, consequential, exemplary or punitive damages arising out of the performance or failure to perform under this Order. Customer's sole remedies for any nonperformance, outages, failures to deliver or defects in Service are contained in the service levels applicable to the affected Service.

6. All transport services ordered from Lumen will be treated as interstate for regulatory purposes. Customer may certify transport service as being intrastate (for regulatory purposes only) in a format as required by Lumen, but only where the transport services are sold on a stand-alone basis, the end points for the service are located in the same state and neither end point is a Lumen provided IP port ("Intrastate Services"). Where Customer requests that services be designated as Intrastate Services, Customer certifies to Lumen that not more than 10% of Customer's traffic utilizing the Intrastate Services will be originated or terminated outside of the state in which the Intrastate Services are provided. Such election will apply prospectively only and will apply to all Intrastate Services stated in this Order.

7. Charges for certain Services are subject to (a) a monthly property tax surcharge and (b) a monthly cost recovery fee per month to reimburse Lumen for various governmental taxes and surcharges. Such charges are subject to change by Lumen and will be applied regardless of whether Customer has delivered a valid tax exemption certificate. For additional details on taxes and surcharges that are assessed, visit www.lumen.com/taxes.

8. Unless otherwise set forth in a Service Attachment, Customer will pay Lumen's standard ancillary charges for expedites

and additional activities, features, or options as set forth in the Ancillary Fee Schedule, available at http://www.lumen.com/ancillary-fees. If Lumen cannot complete installation due to Customer delay or inaction, Lumen may begin charging Customer and Customer will pay such charges.

9. For certain services, equipment provided by Lumen to be located in Customer's premises ("CPE") is subject to the terms of the Customer Premise Equipment Addendum. A copy of the CPE Addendum and a list of services to which it applies is available upon request. For colocation, data center and/or hosting services, pre-arranged escorted access may be required at certain locations, and cross connect services are subject to whether facilities are available at the particular location to complete the connection.

10. For Internet Services provided in certain countries in the Asia-Pacific, Europe, Middle East, Africa or Latin America region where Lumen does not currently hold a license to provide such Services, Customer consents to Lumen providing Service by procuring services of third-party carriers as Customer's agent, and Customer appoints Lumen as its agent to the extent necessary to obtain such Service. Lumen's affiliate is licensed in Hong Kong, Japan, Singapore, South Korea and Australia.

11. If your network service utilizes TDM technologies, then the following apply: (a) During the Service Term and on 60 days' prior written notice, Lumen may re-provision Customer's off-net TDM services ("Service Re-provision"). If Customer objects to the Service Re-provision, Customer may terminate the affected service by notifying Lumen in writing within 30 days of the date of the Service Re-provision notification; and (b) During the Service Term, Lumen may increase rates for off-net TDM services. Lumen will provide Customer 60 days' prior written notice before implementing the increase ("Rerate Notice"). If Customer objects to the increase, Customer must notify Lumen in writing within 30 days of the date of the Rerate Notice whether Customer will (i) receive the affected service on a month-to-month basis or (ii) terminate the affected service, subject to early termination liability charges. Under subsection (ii), Customer's requested disconnect date must be within 90 days of the Rerate Notice. Unless Customer so notifies Lumen, the affected service will continue to be provided at the increased rates.

Additional Order Terms

Invoices

Single prices shown above for bundled Services, or for Services provided at multiple locations, will be allocated among the individual services for the purpose of applying Taxes and regulatory fees and also may be divided on Customer's invoice by location served.

Activation Support

If requested by Customer, and for an additional charge, Lumen will provide assistance with activating and/or configuring equipment on Customer's side of the Demarcation Point ("Activation Support").

Signature Block

Customer: City of Jacksonville
Total MRC: $855.00 **Total NRC: 0**
Signature:
Name:
Title:
Date:

Customer and the individual signing above represent that such individual has the authority to bind Customer to this Agreement.

Document Generation Date: 01-11-2024

Document No. DOC-0001332035
Scenario: SM10527289

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Customer Information and Contract Specifications

Customer Name: City of Jacksonville
Account Number: 1-5BWBYN

Currency: USD
Monthly Recurring Charges (MRC): $9,640.10
Non Recurring Charges (NRC): 0

Service Order

Service Address	Description	Order Type	Term (Months)	Qty	Unit MRC	Unit NRC	Total MRC	Total NRC
180 PEACHTREE ST NW ATLANTA GEORGIA 30303 1760 UNITED STATES	**Wavelength - IOC - 10GIG-E LAN**	RenewalChange	36	1	$2,158.45	$0.00	$2,158.45	$0.00
56 MARIETTA ST NW ATLANTA GEORGIA 30303 2885 UNITED STATES	- A Site Standard Delivery - To the MPoE (Customer Provided)							
	- Z Site Standard Delivery - To the MPoE (Customer Provided)							
	- A Address = 180 PEACHTREE ATLANTA, GA 30303							
	- Z Address = 56 MARIETTA ATLANTA, GA 30303							
	- Bandwidth = 10GIG-E LAN							
	- Protection = Unprotected							
	- Latency Guarantee Level = None							
	- Circuit Diversity Required = No							
	- Custom Route = Yes							
	A-Side Access			1	$0.00	$0.00	$0.00	$0.00
	Z-Side Access			1	$0.00	$0.00	$0.00	$0.00
	Subtotal						**$2,158.45**	**$0.00**
214 N HOGAN ST JACKSONVILLE FLORIDA 32202 4240 UNITED STATES	**Wavelength - IOC - 10GIG-E LAN**	RenewalChange	36	1	$2,205.00	$0.00	$2,205.00	$0.00
4814 PHILLIPS HWY JACKSONVILLE FLORIDA 32207 7270 UNITED STATES	- A Site Standard Delivery - To the MPoE (Customer Provided)							
	- Z Site Standard Delivery - To the MPoE (Customer Provided)							
	- A Address = 214 HOGAN							

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Service Address	Description	Order Type	Term (Months)	Qty	Unit MRC	Unit NRC	Total MRC	Total NRC
	JACKSONVILLE, FL 32202 - Z Address = 4814 PHILLIPS JACKSONVILLE, FL 32207 - Bandwidth = 10GIG-E LAN - Protection = Unprotected - Latency Guarantee Level = None - Circuit Diversity Required = No - Custom Route = Yes							
	A-Side Access			1	$0.00	$0.00	$0.00	$0.00
	Z-Side Access			1	$0.00	$0.00	$0.00	$0.00
	Subtotal						**$2,205.00**	**$0.00**
214 N HOGAN ST JACKSONVILLE FLORIDA 32202 4240 UNITED STATES 4814 PHILLIPS HWY JACKSONVILLE FLORIDA 32207 7270 UNITED STATES	**Wavelength - IOC - 10GIG-E LAN** - A Site Standard Delivery - To the MPoE (Customer Provided) - Z Site Standard Delivery - To the MPoE (Customer Provided) - A Address = 214 HOGAN JACKSONVILLE, FL 32202 - Z Address = 4814 PHILLIPS JACKSONVILLE, FL 32207 - Bandwidth = 10GIG-E LAN - Protection = Unprotected - Latency Guarantee Level = None - Circuit Diversity Required = No - Custom Route = Yes	RenewalChange	36	1	$2,205.00	$0.00	$2,205.00	$0.00
	A-Side Access			1	$0.00	$0.00	$0.00	$0.00
	Z-Side Access			1	$0.00	$0.00	$0.00	$0.00
	Subtotal						**$2,205.00**	**$0.00**
515 N JULIA ST JACKSONVILLE FLORIDA 32202 4128 UNITED STATES 180 PEACHTREE ST NW ATLANTA GEORGIA	**Wavelength - IOC - 10GIG-E LAN** - A Site Standard Delivery - To the MPoE (Customer Provided)	RenewalChange	36	1	$3,071.65	$0.00	$3,071.65	$0.00

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Service Address	Description	Order Type	Term (Months)	Qty	Unit MRC	Unit NRC	Total MRC	Total NRC
30303 1760 UNITED STATES								
	- Z Site Standard Delivery - To the MPoE (Customer Provided)							
	- A Address = 515 JULIA JACKSONVILLE, FL 32202							
	- Z Address = 180 PEACHTREE ATLANTA, GA 30303							
	- Bandwidth = 10GIG-E LAN							
	- Protection = Unprotected							
	- Latency Guarantee Level = None							
	- Circuit Diversity Required = No							
	- Custom Route = Yes							
	A-Side Access			1	$0.00	$0.00	$0.00	$0.00
	Z-Side Access			1	$0.00	$0.00	$0.00	$0.00
	- Z Access price included in the IOC total price							
	Subtotal						**$3,071.65**	**$0.00**
	Totals						**$9,640.10**	**$0.00**

*If the Service Address column above is blank, no Service Address is required for the Service or the Service Address is identified as a data center in the Description column.

SLED Terms and Conditions Governing This Order

1. "Lumen" is defined for purposes of this Order as CenturyLink Communications, LLC d/b/a Lumen Technologies Group or its affiliated entities providing Services under this Order. This confidential Order may not be disclosed to third parties and is non-binding until accepted by Lumen, as set forth in section 4. Customer places this Order by signing (including electronically or digitally) or otherwise acknowledging (in a manner acceptable to Lumen) this document and returning it to Lumen. Pricing is valid for 90 calendar days from the date indicated unless otherwise specified.

2. Prior to installation, Lumen may notify Customer in writing (including by e-mail) of price increases due to off-net vendors or increased construction costs. Customer has 5 business days following notice to terminate this Order without liability; or otherwise, Customer is deemed to accept the increase.

3. If a generic demarcation point (such as a street address) is provided, the demarcation point for on-net services will be Lumen's Minimum Point of Entry (MPOE) at such location (as determined by Lumen). Off-net demarcation points will be the off-net vendor's MPOE. If this Order identifies aspects of services that are procured by Customer directly from third parties, Lumen is not liable for such services.

4. The Service identified in this Order is subject to the Lumen or CenturyLink Master Service Agreement(s) and applicable Service Schedule(s) between Lumen and Customer (or its affiliate if expressly provided for under such affiliate Master Service Agreement). If Customer has not executed a Lumen or CenturyLink Master Service Agreement with CenturyLink Communications, LLC d/b/a Lumen Technologies Group but has executed a services agreement for applicable services

with an affiliate of Lumen ("Affiliate Agreement"), then the terms of the most recent Affiliate Agreement will apply to the Service (to the extent not inconsistent with this Order); in such cases, the current standard Service Schedule applicable to the Services will apply. If Lumen and Customer have not executed a Lumen or CenturyLink Master Service Agreement and/or applicable Service Schedule(s) governing the Service and have not executed an Affiliate Agreement, Lumen's current standard Master Service Agreement/Service Schedule(s) will govern, a copy of which are available upon request. The Lumen entity providing Services is identified on the invoice.

Notwithstanding anything in any Affiliate Agreement to the contrary, Lumen will notify Customer of acceptance of requested Service in this Order by delivering (in writing or electronically) the date by which Lumen will install Service (the "Customer Commit Date"), by delivering the Service, or by the manner described in a Service Schedule. Lumen will deliver a written or electronic notice that the Service is installed (a "Connection Notice"), at which time billing will commence. At the expiration of the Service Term, Service will continue month-to-month at the existing rates, subject to adjustment by Lumen on 30 days' written notice. If the Affiliate Agreement governs and does not include early termination charges and if Customer cancels or terminates Service for any reason other than Lumen's uncured default or if Lumen terminates due to Customer's uncured default, then Customer will pay Lumen's standard early termination liability charges as identified in the Ancillary Fee Schedule at: www.lumen.com/ancillary-fees. "Affiliate Agreement" for CenturyLink Communications, LLC d/b/a Lumen Technologies Group or any companies that were affiliates of CenturyLink Communications, LLC before the merger with Level 3 Communications ("Merger") means only an applicable Interexchange Carrier (IXC) network agreement, e.g. CenturyLink Total Advantage Agreement, CenturyLink Total Advantage Express Agreement, or CenturyLink Wholesale Services Agreement (each, an Affiliate Agreement). Affiliate Agreement also includes an Agreement between Customer and any entity that was an affiliate of Level 3 Communications before the Merger.

5. Neither party will be liable for any damages for lost profits, lost revenues, loss of goodwill, loss of anticipated savings, loss of data or cost of purchasing replacement service, or any indirect, incidental, special, consequential, exemplary or punitive damages arising out of the performance or failure to perform under this Order. Customer's sole remedies for any nonperformance, outages, failures to deliver or defects in Service are contained in the service levels applicable to the affected Service.

6. All transport services ordered from Lumen will be treated as interstate for regulatory purposes. Customer may certify transport service as being intrastate (for regulatory purposes only) in a format as required by Lumen, but only where the transport services are sold on a stand-alone basis, the end points for the service are located in the same state and neither end point is a Lumen provided IP port ("Intrastate Services"). Where Customer requests that services be designated as Intrastate Services, Customer certifies to Lumen that not more than 10% of Customer's traffic utilizing the Intrastate Services will be originated or terminated outside of the state in which the Intrastate Services are provided. Such election will apply prospectively only and will apply to all Intrastate Services stated in this Order.

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location to complete the connection.

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Additional Order Terms

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Single prices shown above for bundled Services, or for Services provided at multiple locations, will be allocated among the individual services for the purpose of applying Taxes and regulatory fees and also may be divided on Customer's invoice by location served.

Activation Support

If requested by Customer, and for an additional charge, Lumen will provide assistance with activating and/or configuring equipment on Customer's side of the Demarcation Point ("Activation Support").

Signature Block

Customer: City of Jacksonville
Total MRC: $9,640.10 **Total NRC: 0**
Signature:
Name:
Title:
Date:

Customer and the individual signing above represent that such individual has the authority to bind Customer to this Agreement.

Document Generation Date: 01-11-2024

General Services Administration Federal Supply

Authorized Federal Supply Service
Information Technology Schedule Price List
General Purpose Commercial Information Technology Equipment, Software and Services

Contract Number: 47QTCA20D0077

Products and ordering information in this Authorized FSS Information Technology Schedule Pricelist are also available on the GSA *Advantage!* System. Agencies can browse GSA https://www.gsaadvantage.gov/advantage/main/start_page.do

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at fss.gsa.gov.

Approved Multiple Award Schedule (MAS) Special Item Numbers (SINs)

MAS SIN 33411 Purchase of New Electronic Equipment

MAS SIN 811212 Maintenance of Equipment, Repair Services and/or Repair/Spare Parts

MAS SIN 511210 Software Licenses

MAS SIN 518210C Cloud and Cloud-Related IT Professional Services

MAS SIN 611420 Information Technology Training

MAS SIN 54151S Information Technology Professional Services

MAS SIN 54151ECOM Electronic Commerce and Subscription Services

MAS SIN ANCILLARY Supplies and Services

Contract Number: 47QTCA20D0077
Period Covered by Contract: March 12, 2020, through March 11, 2025

Federal Supply Service
Authorized Federal Supply Schedule Price List
On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA *Advantage!* ®, a menu-driven database system. The INTERNET address GSA *Advantage!* ® is: GSAAdvantage.gov

Pricelist current through Modification # PS-0087 12/20/23

Lumen Technologies Government Solutions, Inc.

4250 N. Fairfax Drive
Arlington, VA 22203

www.lumen.com
Contact: Shelley Rohleder
Senior Program Operations Manager
Email : Shelley.A.Rohleder@lumen.com
Phone : 913-213-5299
Fax : 703-363-3378

Products and ordering information in this Authorized FSS Information Technology Schedule Pricelist are also available on the GSA *Advantage!* System. Agencies can browse GSA
https://www.gsaadvantage.gov/advantage/main/start_page.do

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at fss.gsa.gov.

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1.0 CUSTOMER INFORMATION

1a. Awarded MAS SINs

MAS SIN 33411 PURCHASE OF NEW EQUIPMENT

FSC Class 5805 – TELEPHONE AND TELEGRAPH EQUIPMENT Audio and Video Teleconferencing Equipment

NOTE: Installation must be incidental to, in conjunction with and in direct support of the products sold under MAS SIN 33411 of this contract and cannot be purchased separately. If the construction, alteration or repair is segregable and exceeds $2,000, then the requirements of the Davis-Bacon Act apply.

MAS SIN 811212 MAINTENANCE OF EQUIPMENT, REPAIR SERVICES AND/OR REPAIR/SPARE PARTS

(FPDS Code J070 – Maintenance and Repair Service) (Repair Parts/Spare Parts – See FSC Class for basic equipment): Maintenance, Repair Service, Repair Parts/Spare Parts

MAS SIN 511210 SOFTWARE LICENSES

FSC CLASS 7030 – INFORMATION TECHNOLOGY SOFTWARE

Includes operating system software, application software, EDI translation and mapping software, enabled E-Mail message-based products, Internet software, database management programs, and other software. Software maintenance as a product includes the publishing of bug/defect fixes via patches and updates/upgrades in function and technology to maintain the operability and usability of the software product. It may also include other no charge support that is included in the purchase price of the product in the commercial marketplace. No charge process includes items such as user blogs, discussion forums, on-line help libraries and FAQs (Frequently Asked Questions), hosted chat rooms, and limited telephone, email and/or web-based general technical support for users self-diagnostics.

MAS SIN 518210C CLOUD AND CLOUD-RELATED IT PROFESSIONAL SERVICES—SUBJECT TO COOPERATIVE PURCHASING

Includes commercially available cloud computing services such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) and emerging cloud services.

MAS SIN 611420 TRAINING COURSES FOR INFORMATION TECHNOLOGY EQUIPMENT AND SOFTWARE

(FPDS Code U012)

MAS SIN 54151S INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES

FPDS Code D301: IT Facility Operation and Maintenance
FPDS Code D307: Automated Information Systems Design and Integration Services

NOTE 1: All non-professional labor categories must be incidental to and used solely to support hardware, software and/or professional services, and cannot be purchased separately.

NOTE 2: Offerors and Agencies are advised that the Group 70—Information Technology Schedule is not to be used to procure services which properly fall under the Brooks Act. These services include, but are not limited to, architecture, engineering, mapping, cartographic production, remote sensing, geographic information systems, and related services. FAR 36.6 distinguishes between mapping services of an A/E nature and mapping services which are not connected nor incidental to the traditionally accepted A/E Services.

NOTE 3: This solicitation is not intended to solicit for the reselling of IT Professional Services, except for the provision of implementation, maintenance, integration, or training services in direct support of a product. Under such circumstances the services must be performed by the publisher or manufacturer or one of their authorized agents.

MAS SIN 54151ECOM ELECTRONIC COMMERCE (EC) ANS SUBSCRIPTION SERVICES

FPDS Code D304: Value Added Network Services (VANs)
FPDS Code D304: E-Mail Services
FPDS Code D304: Internet Access Services

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FPDS Code D399: Other Data Transmission Services, Not Elsewhere Classified—Except "Voice" and Pager Services

NOTE: Electronic Commerce Services are not intended to supersede or be substitute for any voice requirements of FTS2001.

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract.

MAS SIN	Sub SIN	Product Name	Part #	Product Description	Lumen or Supplier	GSA Price with IFF
33411	132-8.5975	**ADTRAN**	1100ALR2101WIF1	ADTRAN—ProStart Remote installation for a blue socket Access Point (1800, 1840, 1920, 1925, 1930, 1935, 2030, 2035). This part number must be purchased in conjunction with either the ProStart Remote Installation for Blue socket vWLAN or the ProStart Remote Installation for Blue socket vWLAN with ProCloud Wi-Fi. Part number includes remote configuration, testing, and turn up support of a BSAP. Includes 14 calendar day labor warranty. ADTRAN ProStart support is delivered during normal business hours, 8 am -5pm site time, Monday through Friday. If you require ProStart Installation support for AP expansion of an existing network, contact prostart@adtran.com for a custom quote.	**ADTRAN**	$9.06
811212	132-12.2633	**Ciena 80M-MCPBA-COM**	**80M-MCPBA-COM**	**MCP BASE SW, COMPREHENSIVE SUPPORT**	Ciena	$1.15
511210	132-32.88	**Ciena S74-LIC-NTK569MU**	**S74-LIC-NTK569MU**	**6500 REL 12.7 SOFTWARE LICENSE**	**Ciena**	**$0.40**
518210C	132-40.136	Cloud Application **Manager** BYOC	132-40.136	Cloud Application Manager (CAM). Lumen Platform & Bring Your Own Cloud Provider (BYOC). Application Lifecycle Management. Per instance/hour metering. Required: Additional Purchase Lumen Led Cloud Support (LLCS).	Lumen	$0.06
611420	132-50.0012	I&M Atlas Prod IN Ded and SWT Training	1600ATLAS01E	ADTRAN—Installation & Maintenance, Atlas Products Installation Dedicated and Switched Training; 3-day course; Per Person pricing	ADRAN	$1,086.59
54151S	QGSI-PS37	Hardware Specialist	QGSI-PS37	Partner in a team environment or be able to independently install, repair, and perform preventative maintenance, (including upgrades and backups) of computer systems. May resolve hardware, software, network, and application problems.	Lumen	$51.59
54151ECOM	132-52.9387	Voice Features DID Number Assignment and Maintenance	132-52.9387	DID Number Assignment and Maintenance	Lumen	$0.01
Ancillary	132-100.211	Ciena 495-0000-001	495-0000-001	FREIGHT/HANDLING CHARGES	Ciena	$1.15

1c. See Pricing for Details

2. Maximum Order (All dollar amounts are exclusive of any discount for prompt payment.)

- The Maximum Order value for the following Multiple Award Schedule (MAS) Special Item Numbers (SINs) is $500,000:
  - MAS SIN 33411—Purchase of Equipment
  - MAS SIN 811212—Maintenance, Repair Service and Repair Parts/Spare Parts
  - MAS SIN 511210—Term Software Licenses
  - MAS SIN 518210C—Cloud Computing Services
  - MAS SIN 54151S—Information Technology (IT) Professional Services
  - MAS SIN 54151ECOM—Electronic Commerce (EC) Services
- The Maximum Order value for the following MAS SIN is $25,000:
  - MAS SIN 611420—Training Courses

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3. Minimum Order

The minimum dollar value of orders to be issued is $100.

4. Geographic Scope of Contract

The Geographic Scope of Contract will be domestic delivery only. Domestic delivery is delivery within the 48 contiguous states, Alaska, Hawaii, Puerto Rico, Washington, DC, and U.S. Territories. Domestic delivery also includes a port or consolidation point, within the aforementioned areas, for orders received from overseas activities.

5. Points of Production

6. Prices Shown Herein are Net (discount deducted)

7. Quantity Discounts

None

8. Prompt Payment Terms

0% - NET 30 days from receipt of invoice or date of acceptance, whichever is later

9a. Government Purchase Cards Below Micro Purchase

Contractors are required to accept the Government purchase card for payments equal to or less than the micro purchase threshold for oral or written delivery orders.

9b. Government Purchase Cards Above Micro Purchase

Government purchase cards will be acceptable for payment above the micro-purchase threshold. In addition, bank account information for wire transfer payments will be shown on the invoice.

10. Foreign Items

11a. Time of Delivery

The Contractor shall deliver to destination within the number of calendar days after receipt of order (ARO), as set forth below:

SPECIAL ITEM NUMBER	DELIVERY TIME (Days ARO)
All	30 Days

11b. Expedited Delivery

When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering agency, agencies are encouraged, if time permits, to contact the Contractor for the purpose of obtaining accelerated delivery. The Contractor shall reply to the inquiry within 3 workdays after receipt. (Telephonic replies shall be confirmed by the Contractor in writing.) If the Contractor offers an accelerated delivery time acceptable to the ordering agency, any order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract.

11c. Overnight and 2 Day Delivery

The schedule customer may contact the Contractor for rates for overnight and 2-day delivery.

11d. Urgent Requirements

When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering agency, agencies are encouraged, if time permits, to contact the Contractor for the purpose of obtaining accelerated delivery. The Contractor shall reply to the inquiry within 3 workdays after receipt. (Telephonic replies shall be confirmed by the Contractor in writing.) If the Contractor offers an accelerated delivery time acceptable to the ordering agency, any order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract.

12. F.O.B. Point(s).

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13a. Ordering address:

Lumen Technologies Government Solutions, Inc.
4250 N. Fairfax Drive
Arlington, VA 22203-1665

The following telephone number can be used by ordering agencies to obtain technical and/or ordering assistance: Shelley Rohleder, 913-213-5299.

13b. Ordering Instructions

Ordering activities shall use the ordering procedures of Federal Acquisition Regulation (FAR) 8.405 when placing an order or establishing a BPA for supplies or services. These procedures apply to all schedules.

a. FAR 8.405-1 Ordering procedures for supplies, and services not requiring a statement of work.
b. FAR 8.405-2 Ordering procedures for services requiring a statement of work.

14. Payment Address:

Lumen Technologies Government Solutions, Inc.
P.O. Box 52187
Phoenix, Arizona 85072-2187

15. CONTRACTOR COMMITMENTS, WARRANTIES AND REPRESENTATIONS

a. For this contract, commitments, warranties, and representations includes, in addition to those agreed to for the entire schedule contract:
   (1) Time of delivery/installation quotations for individual orders.
   (2) Technical representations and/or warranties of products concerning performance, total system performance and/or configuration, physical, design and/or functional characteristics and capabilities of a product/equipment/ service/software package submitted in response to requirements which result in orders under this schedule contract.
   (3) Any representations and/or warranties concerning the products made in any literature, description, drawings and/or specifications furnished by the Contractor.
b. The above is not intended to encompass items not currently covered by the GSA Schedule contract.

16. Export Packing Charges

17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level).

18. Terms and conditions of rental, maintenance, and repair (if applicable).

19. Terms and conditions of installation (if applicable).

20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable).

20a. Terms and conditions for any other services (if applicable).

21. List of service and distribution points (if applicable).

22. List of participating dealers (if applicable).

23. Preventive maintenance (if applicable).

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24a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants).

24b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contractor's website or other location.) The EIT standards can be found at: www.Section508.gov/.

25. Data Universal Numbering System (DUNS) Number: 178617031

26. Contractor has registered with the Central Contractor Registration Database.

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2.0 DEFINITION OF APPLICABLE SERVICE OFFERINGS AND TERMS & CONDITIONS

2.1 MULTIPLE AWARD SCHEDULE (MAS) SIN 511210: DEFINITION OF SERVICE OFFERING AND TERMS & CONDITIONS APPLICABLE TO TERM SOFTWARE LICENSES FOR

2.1.1 Ciena Software

Pricing: Click here to view the Ciena Software Price List

2.2 MULTIPLE AWARD SCHEDULE (MAS) SIN 518210C: DEFINITION OF SERVICE OFFERING AND TERMS & CONDITIONS APPLICABLE TO CLOUD COMPUTING SERVICES

2.2.1 Lumen Federal Solutions Cloud Service Offering

Lumen Federal Solutions Cloud brings together the best of public, private and hybrid cloud offerings, enabling agencies to seamlessly migrate and extend their data center workloads to the cloud while complying with federal security standards. By supplying cloud, colocation and managed hosting services over its carrier-class network, Lumen provides government agencies with the security and reliability they need to carry out their missions.

Lumen Federal Solutions Services offers agencies a Hybrid IT solution with Carrier-Class Connectivity with unparalleled reliability across our Tier 1 global network, providing immediate access to Colocation services worldwide. Our energy efficient data centers support agile, hybrid Cloud solutions that are scalable to meet customer data needs. Lumen's services are protected by our industry-leading Cybersecurity measures and come with our Commitment to collaborating to deliver best-in-class solutions.

Government Cloud Service Exhibit

This Lumen Federal Solutions Cloud Service Exhibit ("Service Exhibit") describes the Lumen Federal Solutions Cloud Service herein ("the Service Offering"). The Service Offering is an infrastructure-as-a- service commercial offering. "You" or "Customer" means the authorized government instrumentality utilizing this Service Offering. "Lumen," "we," or "us" means Lumen Technologies Government Solutions, Inc. on behalf of itself and its affiliated entities.

1. The Service Offering/Service Description

1.1 General. This Service Exhibit governs your access and use of the Service Offering. We may deliver the Service Offering to you with the assistance of our affiliates, licensors, and providers. Service Level Agreements may apply to the Service Offering. You will comply with all laws, rules and regulations applicable to your use of the Service Offering, and with the Third-Party Terms, the Service Description, and the Support Policy, only to the extent each is submitted for Contracting Officer review or incorporated by reference or in full text by addenda or modification to the applicable Schedule Contract or Order issued hereunder.

When the end user is an instrumentality of the US government and the software is purchased pursuant to a Federal Supply Schedule 70 contract, this agreement is made with the US Government and becomes effective when signed by the contractor and the GSA Contracting Officer as an addendum to the Schedule 70 Contract. Ordering activities placing orders against the Schedule 70 contract are subject to this agreement as a term of the contract. This EULA (or TOS as applicable) shall be binding on the parties, subject to federal law and the terms of the Schedule 70 Contract. This agreement shall not operate to bind a government employee or person acting on behalf of the government in his or her personal capacity.

When the end user is an instrumentality of the US Government, recourse against the United States for any alleged breach of this agreement must be made under the terms of the Federal Tort Claims Act or as a dispute under the contract disputes clause (Contract Disputes Act) as applicable. During any dispute under the disputes clause the Contractor shall proceed diligently with performance of this contract, pending final resolution of any request for relief, claim, appeal, or action arising under the contract, and comply with any decision of the Contracting Officer.

1.2 Access to the Service Offering. You may access and use the Service Offering solely for use by the procuring government customer, which is defined as the cabinet level or independent agency for whom an ordering activity procures the Service Offering. The Service Offering may be used by any subdivision of the

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procuring government customer. To access the Service Offering, you must work with Lumen to register for the Service Offering and set up an authorized account with Login Credentials. You may monitor and manage your Service Offering account via your instance of vCloud Director. The customer is responsible for administering, maintaining, and granting access to its users. Upon Set-up, authorized administrators will be provided login credentials and an RSA hard token for two-factor authentication. In addition, the customer is responsible for notifying Lumen in the event a user's account needs to be de-activated. You will keep your registration information accurate, complete, and current as long as you use the Service Offering. As between Lumen and Customer, the Customer is responsible for use of the Service Offering and responsible for the use and control of the Login Credentials in accordance with this Service Exhibit, including any activities by you or through your employees, contractors and/or agents. If you believe an unauthorized user has gained access to your Login Credentials, you will notify us as soon as possible and Lumen will work with you to identify and if appropriate suspend service by an unauthorized user. Neither we nor our affiliates are responsible for any unauthorized access to or use of your account.

1.3 Additional Terms; Third Party Content. As part of your use of the Service Offering, you may receive access to additional data, content, software, or applications subject to separate terms ("Third Party Content"). If so, those separate terms will prevail over this Agreement as to your use of such Third-Party Content, which is available "AS IS," without indemnification or support, and we disclaim all express and implied warranties (including warranties of merchantability, fitness for a particular purpose, and non-infringement). You are responsible for reviewing, accepting, and complying with any third-party terms of use or other restrictions applicable to the Third-Party Content. Those terms will be available to you through a notification within the Service of the Third-Party Terms. It is your responsibility to check for any terms or restrictions applicable to your use of Third-Party Content. We may provide billing and related services associated with the Third-Party Content. We will not provide any support for the Third-Party Content unless otherwise noted in the Third-Party Terms which will be identified in a specific Order hereunder.

1.4 Open Sources. Open-Source Software. Any open-source software would be subject to an applicable open-source software license agreement found at: http://www.vmware.com/download/open_source.html (or similar location), and if applicable will be identified in an Order hereunder.

2. Your Content

2.1 Your Content. You are solely responsible for Your Content.

2.2 We may access and use Your Content, to the extent not prohibited by applicable law or regulation, only as necessary to provide the Service Offering to you (which we may do with the assistance of affiliates, service providers and contractors), perform or enforce contractual obligations, or comply with applicable law. For example, we may need to access or use Your Content (or provide it to one of our affiliates, service providers or contractors) to (a) prevent or address service or technical problems; (b) provide customer support; (c) detect, prevent or address fraud, technology or security issues; (d) protect against harm to the rights, property or safety of us, our users or the public; or (e) respond to a subpoena, warrant, audit or agency action.

2.3 Security. There are appropriate administrative, physical, and technical safeguards for protection of the physical facilities, and those servers and networking equipment over which we have administrator access or control and use to provide the Service Offering. You are responsible for protecting the security of Your Content, including any access you might provide to Your Content by your employees, customers or other third parties, and in transit to and from the Service Offering. The Service Offering provides you with certain software and functionality to help you protect Your Content from unauthorized access. You will properly configure and use the Service Offering so that it is suitable for your use. You will take and maintain appropriate security, protection, and backup for Your Content, which may include the use of encryption technology to protect Your Content from unauthorized access. You are responsible for providing any necessary notices to your users and obtaining any legally required consent from your users concerning your use of the Service Offering. You are solely responsible for complying with any laws or regulations that might apply to Your Content, and you understand that the Service Offering is not intended for data regulated by the Health Insurance Portability and Accountability Act. We are not responsible for any losses or other consequences arising from your failure to encrypt or back up Your Content. If Lumen learns that there has been unauthorized access to, or use or disclosure of, Your Content, Lumen, directly or through its vendor VMware, will use commercially reasonable efforts to notify You, considering any applicable law, regulation, or governmental request.

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2.4 Transfer of Data. The Service Offering will be provided solely from data centers and support facilities located in the United States. You acknowledge that we will store Your Content in the United States. By uploading Your Content into the Service Offering, or by providing Your Content in connection with customer support, you may transfer and access Your Content from around the world, including to and from the United States. It is your responsibility to ensure that you comply with applicable law with respect to transferring data across geographies.

3. Acceptable Use

3.1 General Restrictions. You will not, and will not permit any third party, to,: (a) use or encourage the violation of the rights of others (including Intellectual Property Rights); (b) use the Service Offering to engage in, advertise or deliver gambling, pornographic, or illegal activities; (c) circumvent or violate the restrictions of the Service Offering as described in this Agreement or Service Description; (d) reverse engineer, or otherwise attempt to derive source code from the Service Offering, unless we make the source code publicly available; (e) disable, interfere with, disrupt, or circumvent any aspect of the Service Offering, including the integrity or performance of the Service Offering, or third-party content or data provided through the Service Offering; (f) access or use the Service Offering in a way intended to avoid recurring fees or exceeding usage limits; or (g) resell or sublicense the Service Offering.

You must ensure that your users comply with the Use Restriction Policy, and you agree that if you become aware of any violation by one of your users, you will promptly terminate that user's access to Your Content . If we have reason to believe that you or your users have breached the Use Restriction Policy, we or our designated agent may review your use of the Service Offering, including your account, Your Content, and records, to verify your compliance with this section.

3.2 Content Restrictions. You will take steps to ensure that your authorized users and third party users who access any service you provide with the Service Offering do not post content that: (a) may create a risk of harm, loss, physical or mental injury, emotional distress, death, disability, disfigurement, or physical or mental illness to anyone; (b) may create a risk of any other loss or damage to any person or property; (c) may constitute or contribute to a crime or tort; (d) contains any information or content that is illegal, unlawful, harmful, abusive, pornographic, racially or ethnically offensive, defamatory, infringing, invasive of personal privacy or publicity rights, harassing, humiliating to other people (publicly or otherwise), libelous, threatening, or otherwise objectionable; or (e) contains any information or content that you do not have a right to make available under any law or under contractual or fiduciary relationships. You are solely responsible for any software, product or service that a third-party license, sells or makes available to you that you install or use with the Service Offering. Your use of that software, product or service is governed by separate terms between you and that third party. We are not a party to and are not bound by any of those separate terms. You represent that Your Content does not and will not violate any third-party rights, including any Intellectual Property Rights, and rights of publicity and privacy. You will ensure that your use of the Service Offering always complies with your privacy policies and all applicable laws and regulations, including any encryption requirements. You acknowledge that the Service Offering is not intended for the storage or transmission of Classified Information, as that term is defined in the national Industrial Security Program Operating Manual.

3.3 Violations of Acceptable Use. If you become aware that any of Your Content or your user's use of Your Content violates Section 3.1 or 3.2 or the Use Restriction Policy, you will immediately suspend and remove the applicable part of Your Content or suspend the end user's access. If you fail to do so, we may ask you to do so. Customer acknowledges that failure to comply with our request within twenty-four hours or such longer period as agreed by in writing between the parties, we may suspend your account or disable access to Your Content until you comply with our request until such violation is resolved.

4. IP Ownership.

4.1 Ownership of Service Offering. We, our providers, and our licensors own and retain all right, title and interest in and to the Service Offering and any related VMware Software, including all improvements, enhancements, modifications and derivative works thereof, and all Intellectual Property Rights therein. This includes any information that we collect and analyze in connection with the Service Offering, such as usage patterns, user feedback and other information to improve and evolve our software products and services offerings. Your rights to use the Service Offering are limited to those expressly granted herein. No other rights with respect to the Service Offering, any related software, or any related Intellectual Property Rights are implied. You hereby grant to us a non-exclusive, perpetual, irrevocable, royalty-free, transferable, worldwide right and

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license, with the right to sublicense, to use, reproduce, perform, display, disclose, distribute, modify, prepare derivative works of and otherwise exploit the feedback without restriction in any manner now known or in the future conceived and to make, use, sell, offer to sell, import and export any product or service that incorporates the feedback.

5. Order, Delivery, Payment, and Taxes

5.1 Orders. All Orders issued to Lumen are subject to this Service Exhibit. The Service Offering will be deemed accepted when we deliver your Login Credentials.

5.2 Delivery. When Lumen accepts your Order for the Service Offering, we will deliver the corresponding Login Credentials to you to the address associated with your account.

5.3 Invoicing and Payment Terms. Invoicing and payment are per the Federal Supply Schedule 70 ("IT70") contract. Taxes will be billed separately as applicable.

5.4 Lumen may suspend use of the Service Offering if we reasonably determine: (a) your use of this Service Offering is in violation with this Service Exhibit and such violation has a material adverse impact on Lumen;]; (b) you fail to address our request to act as specified in Section 3. (c) your use of the Service Offering poses a security risk to the Service Offering or other users of the Service Offering; or (d) suspension is required pursuant to our receipt of a subpoena or other request by a law enforcement agency; until such violation is resolved.

6. Term and Termination

6.1 Term of Service. The Subscription Term shall be defined in the Order, and subject to fiscal year/term, funding, and ordering term limitations in the IT70 contract, applicable law or regulations, or the Order.

6.2 Effect of Termination. Upon the termination of the Service Offering term of service: (a) your ability to access any of Your Content stored in the Service Offering will immediately terminate; and (b) you must promptly discontinue all use of the Service Offering. For a period of 30 days following the termination, we will not delete Your Content because of this termination, although you will cease to have access to the Service Offering or Your Content during this period.

7. Support and Subscription Services

We will provide you support for the Service Offering in accordance with the terms specified in the Support Policy. We will not provide support to any end users of Your Content.

8. Disclaimer

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, WE AND OUR LICENSORS AND SERVICE PROVIDERS DISCLAIM ALL WARRANTIES, WHETHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR COURSE OF PERFORMANCE) REGARDING OR RELATING TO THE SERVICE OFFERING, THE DOCUMENTATION, OR ANY MATERIALS OR SERVICES FURNISHED OR PROVIDED TO YOU UNDER THIS AGREEMENT. WE AND OUR LICENSORS AND SERVICE PROVIDERS DO NOT WARRANT THAT THE SERVICE OFFERING WILL BE UNINTERRUPTED OR FREE FROM DEFECTS, OR THAT THE SERVICE WILL MEET (OR IS DESIGNED TO MEET) YOUR BUSINESS REQUIREMENTS.

9. Limitation of Liability

9.1 Generally. TO THE MAXIMUM EXTENT PERMITTED BY LAW, IN NO EVENT WILL WE OR OUR LICENSORS OR SERVICE PROVIDERS BE LIABLE FOR ANY LOST PROFITS OR BUSINESS OPPORTUNITIES, LOSS OF USE OF THE SERVICE OFFERING, LOSS OF REVENUE, LOSS OF GOODWILL, BUSINESS INTERRUPTION, LOSS OF DATA, OR ANY OTHER INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES UNDER ANY THEORY OF LIABILITY, WHETHER BASED IN CONTRACT, TORT, NEGLIGENCE, PRODUCT LIABILITY, OR OTHERWISE. IN ADDITION, OUR AND OUR LICENSORS' AND SERVICE PROVIDERS' LIABILITY UNDER THIS AGREEMENT WILL NOT, IN ANY EVENT, REGARDLESS OF WHETHER THE CLAIM IS BASED IN CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE, EXCEED THE AGGREGATE FEES PAID TO US FOR YOUR ACCESS TO AND USE OF THE SERVICE OFFERING IN THE TWELVE (12) MONTHS PRIOR TO THE EVENT GIVING RISE TO YOUR CLAIM REGARDLESS OF WHETHER WE OR OUR LICENSORS OR SERVICE PROVIDERS HAVE BEEN ADVISED

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OF THE POSSIBILITY OF THOSE DAMAGES AND REGARDLESS OF WHETHER ANY REMEDY FAILS OF ITS ESSENTIAL PURPOSE. THESE LIMITATIONS OF LIABILITY IN THIS SECTION 11.1 WILL NOT APPLY TO ANY LIABILITY WHICH MAY NOT BE EXCLUDED BY APPLICABLE LAW.

10. Warranties. When the end user is the US Government, this Service Exhibit does not limit, disclaim or waive any of the warranties specified in the GSA Schedule 70 Contract under FAR 52.212-4(o). In the event of a breach of warranty, the US Government reserves all rights and remedies under the Contract, the Federal Acquisition Regulations, and the Contract Disputes Act, 41 USC 7101-7109. Further, this Service Exhibit shall not impair the US Government's right to recover for fraud or crimes arising out of or related to this Service Exhibit under any federal statute, including, but not limited to, the False Claims Act, 31 U.S.C. 3729- 3733. Furthermore, this agreement shall not impair or prejudice the US Government's right to express remedies provided in the Schedule 70 contract (e.g., clause 52.238-75 – Price Reductions, clause 52.212-4(h) – Patent Indemnification, and GSAR 552.215-72 – Price Adjustment – Failure to Provide Accurate Information).

11. Miscellaneous

11.1 Government Regulations. The Service Offering and its documentation are deemed to respectively, pursuant to DFARS Section 227.7202 and FAR Paragraph 12.212(b), as applicable. Any use, modification, reproduction, release, performing, displaying, or disclosing of the Service Offering and documentation by or on behalf of the U.S. Government will be governed by the terms and conditions of this Agreement.

11.2 41 CFR §§ 60-1.4(a), 60-300.5(a), and 60-741.5(a). Lumen and Lumen Personnel shall comply with the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a), and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans, or as individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex or national origin. Moreover, these regulations require that Lumen and Lumen Personnel take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.

11.3 Definitions

"Lumen Software" means the software programs listed in our commercial price list.

"Infringement Claim" means any third-party claim that any Software used to provide the Service Offering infringes any patent, trademark, or copyright of the third party, or misappropriates a trade secret (but only to the extent that the misappropriation is not a result of your actions) under the laws of the United States.

"Intellectual Property Rights" means all worldwide intellectual property rights, including copyrights, trademarks, service marks, trade secrets, patent applications, and moral rights, whether registered or unregistered.

"Login Credentials" mean any passwords, authentication keys, RSA Tokens or similar devices, or security credentials that enable your access to and management of the Service Offering.

"Order" means the written order or purchase agreement issued to Lumen that specifies your purchase of the Service Offering and defined in the IT70 contract and its implementing federal regulations.

"Relationship Data" means customer-specific information that we collect during the registration, activation and maintenance of your account. It may include the names and contact details of your personnel involved in maintaining or using the Service Offering. It does not include information collected through the publicly accessible portions of our webpages, which is subject to the Privacy Policy posted on those webpages.

"Service Description" means the then-current CGC Service Offering Service Description document, incorporated by reference, which contains technical and other information, which we may modify from time to time.

"Service Level Agreement" means the then-current Service Level Agreement document which we may modify from time to time, incorporated by reference.

"Subscription Term" means the time period of your access to the Service Offering, as specified by your Order.

"Support Policy" means the then-current version of the Service Offering Support Policy document, incorporated by reference, which we may modify from time to time.

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"Third Party Content" means third party data, service, content, software, or applications, including open-source software.

"Usage Data" means information regarding your consumption of the Service Offering, such as information on the amount of computing and storage resources purchased or consumed, user counts, and third-party licenses consumed. Usage Data may also include information related to the consumption of optional or third party or co-branded services provided to you through the Service Offering.

"Use Restriction Policy" means the Acceptable Use Policy applicable to an Order, only to the extent that such policy is incorporated by reference or in full text by addenda or modification to the applicable Schedule contract or Order issue hereunder.

"Your Content" means all applications, files, information, data or other content uploaded to or published or displayed through the Service Offering by you, your users, us (acting upon your instructions as part of a service), or any third-party users who access any service you provide with the Service Offering. It does not include Relationship Data.

Pricing: Click here to view the Cloud Computing Price List

2.2.2 Lumen Cloud Application Manager

2.2.2.1 Lumen Cloud Application Manager Overview

Lumen Cloud Application Manager is a cloud-agnostic application and infrastructure management platform with integrated Managed Services from Lumen delivered anywhere via automation. It enables IT organizations to efficiently manage workloads across any infrastructure environment through a centralized platform for optimizing infrastructure and costs. This means IT organizations can more easily govern and scale the application and infrastructure needs of their business.

The single, centralized platform also enables automated deployment of expert Managed Services from Lumen for application and infrastructure management in any hosting environment, no matter where your workloads are hosted — on-premises, processes, and third-party cloud environments.

Lumen Cloud Application Manager includes:

- **Application Lifecycle Management**—Customers can manage applications from build phase through to deployment and run-state. Once deployed, customer-defined automation policies enable you to scale, update, and migrate applications across environments. Set up, change, configure and control in the way that's best for your mission.
- **Managed Services Anywhere**—Customers can select Lumen Managed Services for on-demand monitoring, patching, remote administration, and back-up across any hybrid hosting environment Remove single points of failure from your network.
- **Cloud Optimization**—Customers can migrate existing environments and provision new cloud environments from various service providers like Lumen Cloud, Microsoft Azure and Amazon Web Services, directly through the platform – simplifying vendor management and consolidating billing of multi-cloud deployments. Recommendation engines help you determine the resources required to support your applications per the security, processing, geographic and cost requirements that they demand.

2.2.2.2 Lumen Cloud Application Manager Service Exhibit

Cloud Application Manager is a flexible, multi-cloud management solution that unifies applications across a multi-cloud environment. It enables better management of specific IT environments to be more secure and productive, and operate on any cloud, anywhere, enabled by Lumen® Managed Services. It is a cloud-agnostic application and infrastructure management platform that is integrated with Lumen Managed Services delivered anywhere via automation.

This solution provides three main components essential to managing and governing cloud applications and infrastructure. From a single portal, you can access three services: Application Lifecycle Management, Managed Services Anywhere, and Cloud Optimization. You can develop, deploy, and manage applications, VMs, and other workloads on any infrastructure or cloud to meet your business and technical needs. The metered usage-based platform allows flexible control to provision and consume only the services required, as needed (e.g., Platform

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Services, Managed Services, and Cloud Services from Lumen Cloud, Microsoft Azure, and Amazon Web Services). Costs for all services are consolidated onto one monthly bill, and in-depth reporting provides the transparency to administer charge-back to the lines of business consuming the services.

1. APPLICATION LIFECYCLE MANAGEMENT

This is a centralized platform service that offers:

Full management of applications, compute, OS, network, and security functions, including audit trail across any infrastructure, virtually anywhere; Self-service components and infrastructure consistent with production environments; Automated deployment policies: reusable, on-demand provisioning, and termination across any infrastructure, virtually anywhere; Automate rolling updates of components with zero downtime and agile life cycle management.

2. CLOUD OPTIMIZATION

True hybrid cloud enablement allows customers to easily provision, migrate, and scale hybrid cloud instances, billing, and support via a single centralized platform. Customers can bring their own provider or provision resources from Lumen Cloud, Microsoft Azure, and Amazon Web Services; Recommendation engines help customers determine the resources required to support their applications per the security, processing, geographic, and cost requirements.

3. MANAGED SERVICES ANYWHERE

Offers expert strategic guidance, as well as design, build, and run services automatically through the centralized platform on any hosted or cloud infrastructure environment. Monitoring, Remote administration, Patching, Backup

Pricing: Click here to view the Lumen Cloud Application Manager Price List

2.2.3 Intact ReAccess

Intact Partners, Inc. provides 100% Microsoft global-scale, user-friendly, and secure app solutions with automated no-code Azure cloud services. Our PowerLine™ solution enables rapid and cost-effective application design and delivery for database, storage, compute, security, and network services. Our ReAccess® Rapid DevOps enterprise level solution enables the recreation of existing database applications in a no-code environment and development of fast prototyping for large scale application designs.

ReAccess® enables the recreation of existing database applications as a fully compliant Cosmos DB application in Microsoft Azure in as little as two hours (no-code). Maintaining the user-experience and enabling teams to get back to business.

Access Decoder
Decode Microsoft Access applications in their entirety and automatically recreate them as a ReAccess application.

No Code
Add features, fields and functionality in minutes and deploy to every user, LIVE. Users only ever use the latest version of your application.

LAD/D Canvas
Recreate any existing business application in ReAccess in hours, not months. Follow our simple framework and keep your team moving.

Sustainable remote working solutions with Edge computing
ReAccess® is an Edge computing application that runs securely and directly on the user's authenticated device.

While working at home, users can access their ReAccess® applications in the cloud.

Connectivity to the cloud is handled automatically by ReAccess® allowing end users to work offline.

Pricing: Click here to view the Intact ReAccess Price List

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2.3 MULTIPLE AWARD SCHEDULE (MAS) SIN 54151ECOM: DEFINITION OF SERVICE OFFERING AND TERMS & CONDITIONS APPLICABLE TO ELECTRONIC COMMERCE SERVICES

2.3.1 Uplogix

2.3.1.1 Uplogix Overview

Lumen Technologies Government Solutions, Inc. ("Lumen") presents Uplogix Local Management platform solutions. Uplogix is a network-independent management platform that is located with – and directly connected to – managed devices. It can stand alone or augment existing centralized management tools providing the configuration, performance, and security management automation functions that are best performed locally.

When there are problems and the network goes down, Uplogix Local Management serves as an automated lifeline, either restoring network connectivity, or by providing secure out-of-band (OOB) access and a local "toolbox" for remote experts to speed troubleshooting without a truck roll.

Uplogix delivers the first and only Local Management Platform, located with, and directly connected to managed devices, that provides IT operations departments with:

- Management functions that are most effectively performed off-network and located with managed devices.
- Sophisticated automation that can perform many tasks normally requiring an on-site technician.
- Secure OOB access for reliable rapid resolution when human attention is required.
- A network-independent management platform that complements existing centralized management tools.

The Uplogix Local Management Platform reduces operational expenses. Automated actions eliminate many tasks that used to require manual effort, saving time and money, plus eliminating the risk of human errors. Some examples include:

- Network device software upgrades and changes can be reliably automated with the Uplogix platform's network-independent implementation and Surgical Rollback™ features.
- Common maintenance activities can be automated, including configuration changes and password resets.
- Secure out-of-band access reduces the frequency of expensive site visits.
- Detailed activity and change logging dramatically reduce the risk of regulatory compliance violations resulting in costly audits.

2.3.1.2 Uplogix Local Management Capabilities

The Uplogix Local Manager (LM) is the management device that is directly connected to network devices and servers.

Uplogix local management solutions can automate many of the routine maintenance and recovery tasks of an IT admin, but faster, error-free and at a fraction of the cost. Uplogix reduces management complexity by delivering integrated, local management solutions to provide secure remote access and local, in-depth monitoring, as well as configuration, fault, and service level management.

<u>Uplogix 500 Local Manager</u>

The Uplogix 500 is a compact Local Manager designed for enterprises needing to remotely monitor, manage and control six or fewer devices including a managed power supply at any distributed location.

The Uplogix 500 provides persistent connectivity to managed devices through both in-band and out-of-band channels—monitoring devices locally, performing maintenance or recovery tasks as needed, and constantly enforcing security policies regardless of the state of the network.

Unparalleled management control is possible by interfacing directly through the console port of the devices it manages. This connection enables always-on, localized, round-the-clock management for your IT infrastructure. With integrated functionality for access, control and enforcement, the Uplogix 500 can automate as much as 70% of routine network maintenance functions and autonomously address the majority of issues that cause network-related outages. Problems that today might require IT staff on-site physically to resolve are detected by the Uplogix 500 in seconds and fixed in minutes.

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The intelligence powering the Uplogix 500 is the Uplogix Local Management Software (LMS), which is available in both Advanced and Standard versions. With Advanced LMS, the Uplogix 500 adds the ability to perform service level verification (SLV). SLV uses synthetic transactions to locally monitor, measure and manage the performance of critical network services and applications from the end-user's perspective including TCP/IP communications, web-based transactions, and voice over IP telephony.

Uplogix 5000 Local Manager

The Uplogix 5000 delivers advanced local management capabilities for data centers, branch offices and remote locations on a robust and flexible platform. With integrated functionality for access, control and enforcement, Uplogix Local Managers (LMs) can automate as much as 70% of routine network maintenance functions and autonomously address the majority of issues that cause network-related outages.

Uplogix' Local Manager (LM), the Uplogix 5000 is configurable to manage 6-, 10-, 14-,18- or 22-port devices, including a managed power device. The Uplogix 5000 is a scalable and robust LM for enterprises that locally manage an ever-growing infrastructure of distributed networking gear, servers and other IT devices located at remote sites, branch locations and data centers.

The Uplogix 5000 provides persistent connectivity to managed devices through both in-band and out-of-band channels. With the built-in intelligence of the Uplogix Local Management Software, the LM monitors devices locally, performs maintenance or recovery tasks as needed, and constantly enforces security policies—regardless of the state of the network.

Unparalleled management control is possible by interfacing directly through the console port of the devices it manages. This connection enables always-on, localized, round-the-clock management for your IT infrastructure. With integrated functionality for access, control, and enforcement, Uplogix LMs can automate as much as 70% of routine network maintenance functions and autonomously address the majority of issues that cause network-related outages. Problems that today might require IT staff on-site physically to resolve are detected by Uplogix in seconds and fixed in minutes.

2.3.1.3 Uplogix Control Center Appliances

The Uplogix Control Center delivers real-time monitoring and management capabilities, offering a unified view of what's occurring in your distributed infrastructure. As an element manager for Uplogix Local Managers, the Control Center serves as the gateway between the Local Managers in the network and existing IT management systems.

Uplogix Control Center is deployed on a pre-configured, dual CPU, rack-mountable server, and includes an embedded Oracle database engine.

The Uplogix Control Center enables local management by providing a centralized point of control for all Uplogix Local Managers and a "tree" of managed devices deployed throughout your distributed IT environment. With its web-based graphical user interface (GUI), the Control Center puts IT administrators in control of real-time data to easily manage, configure, and control all network devices and servers connected to Uplogix Local Managers.

2.3.1.4 Uplogix LEO-5001 Kit

Uplogix Local Managers (LMs) utilize the reliability of the Iridium system of low-earth orbiting (LEO) satellites to provide out-of-band connectivity to remote networks.

With Iridium's coverage of the entire Earth, including oceans and the poles, Uplogix Local Management can deploy anywhere, providing constant connectivity and the power of the most trusted IT admin everywhere, all the time.

To ensure the best Iridium signal for OOB, Uplogix developed the Uplogix LEO-I kit. The LEO kit makes it possible to place an Iridium antenna and modem at an optimal location for a clean, strong signal – up to 500 feet from the networking gear and Uplogix LM that it is supporting.

The kit consists of two components: an above deck unit (ADU) and a below deck unit (BDU). The ADU integrates a GPS, Iridium modem and antenna in a weatherproof IP67-rated housing. Also, in the ADU is an RS422 converter that transmits over standard Cat5 cable to the BDU. The BDU has connections for power and a port adapter to connect as the OOB modem for Uplogix.

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2.3.1.5 Uplogix Professional Services and Training

Uplogix offers professional services to maximize customers' return on local management solutions through deployment services and training. Uplogix experts help drive implementations and increase deployed functionality and adoption while providing direct involvement beyond the scope of standard support.

The Uplogix technical services team works with customers to design the implementation and provides the services necessary to ensure a successful deployment. Uplogix team members draw upon their experience and product knowledge to help with the design and deployment phases of the implementation. Uplogix services team also provides assistance with transitioning initial deployment to sustainable business-as-usual process.

Training Courses are designed and presented by Uplogix field-experienced technical services consultants. The training materials were developed in collaboration with the Uplogix technical support team to ensure that best practices and common questions customers have during deployment are addressed.

Courses are targeted toward those who will be involved in the design, deployment, or administration of the Uplogix solution. Class sizes are limited to ensure individualized instruction and optimal interaction.

2.3.1.6 Uplogix Support

Customer support service, maintenance includes:

- 24x7 phone support / knowledgebase access
- Software updates and upgrade assistance
- Hardware repair or replacement in the event of a hardware failure

Pricing: Click here to view the Uplogix Price List

2.3.2 Lumen Distributed Denial of Service Mitigation Service Schedule

1. General Description. This Service Schedule is applicable only where Customer orders Distributed Denial of Service Mitigation Service ("DDoS Mitigation Service"), Lumen® DDoS Hyper® or Application Protection Services (collectively, "Services") provided by Lumen. "Lumen" is defined for purposes of this Service Schedule as Lumen Technologies Government Solutions, Inc. on behalf of its 0000000Service," "DDoS Mitigation Service" or "Distributed DoS Mitigation Service" in Orders, Order acceptance, service delivery, billing, and related documents. Application Protection Services may also be referred to as Web Application and API Protections, WAF services and/or Web Application Firewall services in Orders, Order acceptance, service delivery, billing, and related documents. Certain DDoS Mitigation Service features orderable online via self-serve may be referred to as "Lumen® DDoS Hyper®" or "DDoS Hyper". In addition, certain Application Protection Services are orderable online via self-serve, so long as the Customer is also purchasing DDoS Hyper. Certain Services are subject to geographic and/or feature availability and may require additional terms and may be provided by Lumen's vendor.

2. Services.

2.1 DDoS Mitigation Service.

2.1.1 DDoS Mitigation Service is available on Customer's separately purchased Internet services. The Order will specify the type of DDoS Mitigation Services and whether the Services are Always-On or On-Demand. Additional DDoS Mitigation Service options that Customer will select and that will be identified in the Order are listed below or in the Service Guide.

2.1.2 DDoS Mitigation Service includes and protects Customer IP addresses up to a combination of 256 /24 of IPv4 or 256 /48 of IPv6. Unlimited protected IP addresses, which may also be referred to as unlimited address space size or unlimited address space, are optional and can be purchased for an additional monthly recurring charge.

2.1.3

2.1.4 Subject to mutually agreed security requirements, Lumen may, in its sole and absolute discretion, use a vendor for any or all of the work to be performed (e.g., installation) or Services provided (e.g. Application Protection Services) under this Service Schedule, provided that Lumen will remain responsible for the performance of its obligations in this Service Schedule. Services that work in conjunction with DDoS Mitigation Services (i.e., internet services) are subject to separate Service Schedules.

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2.1.5 On-Demand Service. For On-Demand Service, once the Mitigation Infrastructure is engaged, if an identifiable Attack is not seen by Lumen within 48 hours, Lumen will coordinate with Customer and obtain consent from Customer (which will not be unreasonably withheld) to return Customer to normal conditions. Upon receipt of Customer consent, Lumen may continue to maintain traffic on Mitigation Infrastructure for an agreed-upon limited time. Upon confirmation of an Attack and with the cooperation of Customer, Lumen will route Customer's IP traffic to the Mitigation Infrastructure designed to filter malicious Attack traffic and pass through legitimate traffic to Mitigate the potential disruptions caused by an Attack. However, due to the varying nature of Attacks, Lumen cannot warrant that all Attacks will be detected and/or mitigated; nor does Lumen warrant that all IP traffic patterns that initially appear to be Attacks are actual Attacks.

2.1.6 Always-On Service. For Always-On Service, the diverted traffic entering Lumen's Mitigation Infrastructure will be inspected and filtered of Attack traffic based on predefined filters agreed upon by Lumen and Customer. Customer must report to Lumen any new Attacks not effectively blocked by predefined filters. Lumen will respond to new requests for Mitigation in accordance with the TTM SLA.

2.1.7 DDoS Hyper. DDoS Hyper is a version of DDoS Mitigation Service only available through Lumen's digital buying experience. DDoS Hyper is available in two tiers, DDoS Hyper Essentials and DDoS Hyper Plus as defined in the Service Guide.

2.2 Application Protection Services. Application Protection Services collectively refers to a set of software applications (i.e., all provided as software as a service) made available through Lumen and more fully described in the Service Guide. Application Protection Services utilizes DNS entry updates as a mechanism to enable access to Application Protection Service. Lumen will assign virtual IP addresses ("VIPs") that the Customer will point to either directly or via another DNS record. Customer is responsible for updating Customer's DNS entries to Lumen-provided information to access the Service. Application Protection Service requires Customer to provide Lumen with a SSL certificate for each software application purchased by Customer.

2.3 Service Level Agreements ("Service Levels").

The following Service Levels are not available until completion of Service Validation. Whether a Service issue constitutes an outage or failure for Service credit purposes will be determined by Lumen on the basis of available records, data and other evidence, including through the use of third-party monitoring tools. Credits are only available against the MRC for the affected Service. The Service Levels stated below apply to the Mitigation aspect of Service. Service Levels do not apply to any Service features not expressly identified in this section, or Service outages or failures due to Excused Outages, Suspension or Chronic Problems.

DDoS Mitigation Service Levels, Service Credits and Chronic Outages. Lumen will use commercially reasonable efforts to ensure the Mitigation Infrastructure is available to Customer one hundred percent (100%) of the time once Customer's IP traffic is routed to the Mitigation Infrastructure in response to a confirmed Attack and until Customer's IP traffic is re-routed back to normal following cessation of the Attack (the "Mitigation SLA"). For purposes of this Mitigation SLA, a "Mitigation Service Outage" means that the Mitigation Infrastructure is unavailable to Customer to the extent that Customer is routing traffic through the Mitigation Infrastructure (i.e., the Customer cannot pass traffic through the Mitigation Infrastructure) for more than 60 consecutive seconds. If the Mitigation SLA is not met, the following remedies will apply:

Mitigation Service Outage Duration	Service Credit
>60 consecutive seconds <4 consecutive hours	3 days of the MRC*
>4 consecutive hours	5 days of the MRC*

*The Service credit is based on the MRC associated with the affected Service at the affected location. Per day calculation based on a 30-day calendar month.

In no event will Customer receive a credit for more than one (1) Mitigation Service Outage per day pursuant to the terms of this Section 2.3 (A), regardless of the number of times Lumen fails to comply with the Mitigation SLA during that day.

Chronic Outages. In addition to the above credit(s), Customer will be entitled to terminate the affected DDoS Mitigation Service without early termination liability within 30 calendar days of the date/time the right of termination is triggered if any of the following apply:

i. a single, continuous Mitigation Service Outage extends for 10 or more consecutive days; or

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ii. 7 separate Mitigation Service Outages each lasting at least 60 minutes in a 90 day period; and

iii. if Customer has separately procured from Lumen an IPVPN circuit or Lumen Internet Service circuit as part of the DDoS Mitigation Service, Customer's termination rights in this Service Schedule extend to the applicable IPVPN Service or Lumen Internet Service.

DDoS Mitigation Service Time to Mitigate ("TTM") Service Level ("SLA"). Lumen agrees to deploy Mitigation following Customer approval (which may be verbal) and Customer properly routing traffic to the Mitigation Infrastructure during an Attack. The TTM SLA is measured in minutes commencing from either (i) the time Lumen obtains Customer approval and Customer properly routing traffic to the Mitigation Infrastructure during an Attack, or (ii) the time of automated initiation by Flow Based Monitoring ("FBM") to route Customer's traffic to the Mitigation Infrastructure when an Attack is detected ("Auto-Mitigation") until the time (in minutes) Lumen deploys countermeasures to initiate Mitigation. The applicable TTM SLA for each type of Attack is set forth below.

Attack Type	TTM SLA for On-Demand without Auto-Mitigation	TTM SLA for On-Demand with Auto-Mitigation	TTM SLA for Always-On
UDP/ICMP Floods SYN Floods TCP Flag Abuses DNS Reflection DNS Attack HTTP GET/POST Attacks*	10 minutes	5 minutes	2 minutes

*HTTP Get/Post Attack Mitigation requires a subscription to the Web Application Firewall and BOT Management (WAF/BOT) service.

If the TTM SLA is not met, the following remedies apply:

Time to Initiate Mitigation	Service Credit
>10 minutes < 60 minutes	1 day of the MRC*
>60 minutes < 6 hours	2 days of the MRC*
>6 hours	7 days of the MRC*

*The Service credit is based on the MRC associated with the affected Service at the affected location. Per day calculation based on a 30-day calendar month.

If the TTM SLA is not achieved three or more times in a single day, Lumen will provide a single credit for that day equal to the maximum 7 days of the MRC credit.

If 3 or more TTM SLAs are not met during a calendar month, in addition to Service credits, Customer will have the right to terminate the applicable Service without early termination liability; provided that the right of termination is exercised within 30 days following the date/time the right of termination is triggered.

Customer is deemed to have pre-approved Mitigation for the Auto-Mitigation option or Always-On and the SOC does not have to call Customer for permission to start Mitigation. Certain mitigation countermeasures related to FBM Service may be pre-authorized by the Customer. If a countermeasure is required that has not been pre-authorized (e.g., in addition to the pre-authorized countermeasures), verbal approval is required from the Customer to deploy such countermeasures.

Mitigation requiring traffic analysis and custom signature development are not covered under the TTM SLA.

(C) DDoS Mitigation Service Attack Monitoring Services Time to Notify Service Level (FBM and AMM Cloud Signaling Services only).

If Customer orders FBM Service or AMM Cloud Signaling Service, Customer may request a credit as set forth below if an Attack Monitoring Failure to Notify Event ("FTN Event") occurs. An FTN Event is an Event in which an Attack Monitoring DDoS alert occurs but steps to notify Customer within a period of 15 minutes from the time that Lumen receives a "Type DDoS" alert are not taken. Timely efforts to notify the Customer whether via email or phone satisfy the requirement to take such steps whether the Customer can be reached.

For each FTN Event that occurs during a calendar month, upon Customer request Lumen will provide a service credit equal to the pro-rated charges for 3 days of the MRC applicable to the affected Service. If 3 or more FTN Events occur during a calendar month, in addition to service credits, Customer will have the right to terminate the

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affected FBM Service or AMM Cloud Signaling Service without early termination liability; provided that the right of termination is exercised within 30 days following the date/time the right of termination is triggered.

(D) General.

Lumen continually makes improvements to the Service and reserves the right to make any updates, error corrections, bug fixes, and other modifications to any software, equipment or hardware utilized by Lumen to provide the Services, at any time. Lumen will use reasonable efforts to make such changes during the Regularly Scheduled Maintenance window.

To be eligible for SLA credits, Customer must be current in its obligations, and Customer must contact Lumen Billing Inquiries via the contact information provided on their invoice, open a ticket in the Portal or contact their account manager to report any issue for which Customer thinks a Service Level may apply within 30 calendar days after the issue occurs. Credits will not apply to any custom service. Duplicative credits (e.g., for both a Mitigation SLA and a TTM SLA) will not be awarded for a single failure or outage. If a single failure or outage triggers both the Mitigation SLA and TTM SLA, the Customer will be entitled to receive the higher of the two credits. The aggregate credits under subparts (A), (B) and (C) above to be provided in any calendar month will not exceed 100% of the MRC of the affected Service. Cumulative credits in any one month must exceed US$100.00. The Service credits and termination rights stated in this Service Schedule will be Customer's sole and exclusive remedies with respect to the DDoS Mitigation Service and related Services provided under this Service Schedule.

3. Customer Responsibilities. Lumen will not be liable for any failure to perform due to the Customer's failure to fulfill Customer's responsibilities and requirements as detailed in this Service Schedule or due to Customer's errors or omissions in setting up the environment.

3.1 Charges.

3.1.1 Service will be billed monthly in arrears. DDoS Mitigation Service rates are up to a predefined bandwidth level designated on the Order. Charges consist of 2 components: (a) a non-recurring charge, ("NRC", "One Time Charges", or similar references"), if applicable, and (b) a monthly recurring charge ("MRC", "Monthly Charge", or similar references). Lumen will bill applicable taxes, fees and/or surcharges separately to the extent applicable.

3.1.2 Expedite Service. Certain DDoS Mitigation Services are eligible for expedited "turn-up" of Service for an additional one-time charge ("Expedited Service") which Customer may separately order at a fair and reasonable rate. Customer acknowledges and agrees that requesting the Expedited Services means acceptance of the DDoS Mitigation Services for the Service Term specified in the Order and cooperating with Lumen to ensure the DDoS Mitigation Services ordered can be installed and provided. Lumen will exercise good faith efforts to turn up Expedited Service for GRE Service in one (1) business day; however, this is a nonbinding objective. For DDoS Mitigation Service other than GRE Service, the Order will be processed in a prioritized manner. If Customer orders Expedited Service, there is no Portal access, and no Service Levels will apply to Expedited Service during the first seven (7) days of service.

3.2 Service Commencement Date.

3.2.1 The Service Commencement Date for DDoS Mitigation Service begins on the date stated on the Connection Notice. The Connection Notice for DDoS Mitigation Service will be issued either upon: (i) successful completion of Service Validation or (ii) after Lumen has provisioned all components of the Service that Lumen can provision without Customer's assistance. If there are multiple locations, billing for each location will automatically begin when Lumen completes provisioning. No additional Connection Notices will be provided.

3.2.2 The Service Commencement Date for Application Protection Service is the date stated on the Connection Notice, which is 21 calendar days after issuance of a Connection Notice. The Connection Notice will be issued when the applicable software is made available for the Customer's use.

3.2.3 The Service Commencement Date for DDoS Hyper begins on the date stated on the Connection Notice, which is 5 calendar days after issuance of a Connection Notice. The Connection Notice is issued when at least 1 clean traffic return path has been provisioned.

3.3 Application Protection Services. To the extent separately priced on Customer's order. Application Protection Services may continue to be provided to Customer independently of DDoS Mitigation Service. Customer may independently terminate Application Protection Services without affecting any in term DDoS Mitigation Services.

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3.4 IP Addresses. If Lumen or an applicable Lumen vendor, grants to Customer a right to use an IP address as part of the provision of Service, Customer acknowledges and agrees the IP address is owned or leased by Lumen or the applicable Lumen vendor and the IP address will revert to Lumen or the applicable Lumen vendor after termination of the applicable Order for any reason whatsoever, and Customer will cease using the IP address. At any time after termination, Lumen or the applicable Lumen vendor may re-assign IP address(es) to another user.

If Lumen does not assign to Customer an IP address as part of the provision of Service, Customer represents that all title, right and interest in and to each IP address used by Customer in connection with the Service is owned exclusively by Customer and/or Customer has all permissions necessary from the owner to enable Lumen and Customer to perform their obligations. Customer will defend Lumen and its affiliates from any claim, demand or action arising in connection with a breach of the foregoing warranty. The customer will also pay any costs of settlement, or any damages finally awarded by a court of competent jurisdiction against Lumen and payable to such third party because of such claim.

3.5 Customer Information. Customer must provide and maintain an English-speaking point of contact with current, complete, and accurate contact information always that is reachable 24/7 for the Service's required notifications, including for set-up and installation and should be authorized to consent to make or direct changes to the Customer's security infrastructure or architecture, as applicable.

3.6 Customer must cooperate with Lumen and Lumen's vendors in coordinating setup of the DDoS Mitigation Service, including but not limited to, placing the necessary routing device at the edge of Customer's environment, and cooperating with Lumen in the rerouting of IP traffic to the Mitigation Infrastructure during an Attack.

3.7 Notification Responsibilities. Customer must provide Lumen with all the following notices: (i) 24 hours advance notice of any potential promotional events or other activities that may increase Customer's network or website traffic; (ii) immediate notice of any sudden events that may cause significant IP traffic pattern changes in Customer's network; (iii) 24 hours advance notice of any Customer requests to change the traffic baseline; (iv) immediate notice of any additions or deletions to the list of Customer IP addresses subject to the Service; (v) immediate notice if Customer believes it is under a DDoS Attack and provide Lumen with reasonable assistance to reroute the IP traffic to the Mitigation Infrastructure; (vi) immediate notice related to any changes to Customer's contact information, including email; and (vii) at least five (5) business days of any network topology or system changes that may affect the Service utilization or the effectiveness of the DDoS Mitigation counter-measures to avoid potential Service impacts. For changes that are Service or price impacting, changes must be agreed to in a new Order before the change will go into effect. If Customer doesn't comply with its notification responsibilities or if Customer performs system changes without prior notification to Lumen. Lumen may not be able to provide the Service, or the Service may not function properly, including the inability to monitor traffic or the generation of false alerts. Lumen will work with the Customer to resolve chronic false positives and other nuisance alerts; however, if alerting issues are not resolved satisfactorily, Lumen may modify the DDoS Mitigation system configuration to reduce repetitive alarms caused by Customer system changes.

3.8 Due to the varying nature of malicious activity, Lumen cannot guarantee that all malicious activities intended to be blocked will be identified, detected, and blocked. Customer must establish and consistently maintain reasonable and adequate security policies and devices for defense of its assets. Customer acknowledges that the Services are regarded as a tool that can be used as part of the Customer's overall security strategy, but not as a total solution. Customer acknowledges that Customer, and not Lumen, is responsible for Customer's own network security policy and security response procedures.

3.9 Customer understands and expressly consents that in the performance of its obligations in this Service Schedule, Lumen (or its vendors) may route Customer traffic to the Mitigation Infrastructure which is in a country other than the country of origination and/or destination of such traffic.

3.10 If Customer or Lumen detect the Service is being affected by a continuing error, conflict or trouble report, or similar issue (in each case a "Chronic Problem") caused by the Customer, Customer will resolve any Chronic Problem by taking whatever steps are deemed necessary to rectify the same, including, but not limited to: (i) removing or modifying the existing Service configuration (or requesting Lumen to remove the same); or (ii) replacing Customer's equipment providing distributed denial of service Mitigation should that be deemed necessary. If the Customer has not remedied the Chronic Problem within 30 days of request by Lumen, then

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Lumen may suspend or terminate the Service. The SLA will not apply, and Customer will not be entitled to receive a credit or exercise a termination right under the SLA during periods of Chronic Problems caused by Customer.

3.11 Installation/Setup. The customer will cooperate with Lumen by providing Lumen with all information concerning the Service reasonably requested by Lumen and a point of contact. Customer will provide data parameters that will allow Lumen to determine the proper threshold levels to diagnose a DDoS Attack. Lumen may periodically require the Customer to allow traffic monitoring to determine proper threshold levels.

3.12 Software. Customer acknowledges and agrees that it is solely responsible for selecting and ensuring that Customer provided software and systems are up to date and supportable. Customer is solely responsible for the installation, operation, maintenance, use and compatibility of the Customer provided software or systems. A customer's failure to do so may result in Lumen's inability to provide the Services and Lumen will have no liability therefrom, including for missed Service Levels. Customer will be required to agree (i.e., express, active acceptance or passive acceptance via these terms) to the applicable software licensor's or vendor's then current commercial software terms as a condition of having access to applicable Third-Party Software or Service.

3.13 Customer consents to Lumen and the applicable vendors or licensors collecting and compiling system and operational metrics data to determine trends and improve service capabilities. Lumen and its vendors and/or licensors may associate this data with similar data of other Customers so long as the data is merged in a manner that will not in any way reveal the data as being attributable to any specific Customer.

3.14 Testing. Customer will not attempt, permit, or instruct any party to take any action that would reduce the effectiveness of the Service. Without limiting the foregoing, Customer is specifically prohibited from conducting unannounced or unscheduled test DDoS Attacks, penetration testing, or external network scans on Lumen's network without the prior written consent of Lumen.

3.15 Change Request. Customers must request non-price impacting Service changes by opening a ticket or by contacting the SOC. Customers must provide complete authentication credentials when requesting changes. Any non-emergency changes or service design changes that may be required outside of an Attack such as prefix additions and migration from On-Demand to Always-On require a change order.

Customers ordering Lumen® DDoS Hyper® must make changes to configurations, features and bandwidth via the online self-service interface. Changes to DDoS Hyper via the Portal that reduce the initial Service Term are not valid until the initial term is fulfilled.

3.16 Neither Customer nor its representatives will attempt in any way to circumvent or otherwise interfere with any security precautions or measures of Lumen relating to the Service or any other Lumen equipment.

3.17 Customers who have published RPKI ROAs are responsible for updating the Route Registry associated with their IP space and AS number to permit Lumen to advertise the applicable IP address to help ensure proper routing of legitimate traffic. If Customer does not update the registry accordingly Lumen's ability to mitigate some or all Attack(s) on Customer's IP address will be reduced.

3.18 Portal Use. If Lumen provides Customer with Portal access in connection with the Service, Customer will use access solely for use with the Service in accordance with this Service Schedule, and Customer will be responsible for any unauthorized access to or use thereof unless Customer can prove that access or use has not been caused by any culpable action or omission of Customer or attributable to Customer. A monthly recurring charge will apply to any Customer users more than ten (10) Customer users of the Service Portal. The Service uses two-factor authentication ("2FA") for access to the Portal. Customer must install two-factor authentication software to be used for validating identity while interacting with the Portal. Access to Portal may be disabled for accounts that have not been active in more than six (6) months requiring such users to contact Lumen if they wish to reestablish access. In addition, as is part of any support requested by a Customer, Lumen may need to access Customer information within the Portal and Customer's request for support constitutes its consent for Lumen to access the Portal information as needed.

4. Additional Service Limitations and Disclaimers.

4.1 Intellectual Property. If Lumen develops or creates any intellectual property as part of DDoS Mitigation Services ("DDoS Intellectual Property"), that DDoS Intellectual Property will be, and remain, the exclusive property of Lumen and will not be considered a work for hire. DDoS Intellectual Property includes, by way of example, playbooks, runbooks, reports, operational processes, and Lumen equipment configuration settings.

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Customer will have no right to sell, lease, license or otherwise transfer, with or without consideration, any DDoS Intellectual Property to any third party or permit any third party to reproduce or copy or otherwise use or see the DDoS Intellectual Property in any form and will use all reasonable efforts to ensure that no improper or unauthorized use of the DDoS Intellectual Property is made. Customer will not reverse engineer or de-compile any DDoS Intellectual Property, unless expressly permitted by applicable law. Customer will promptly, upon termination of this Service Schedule or upon the request of Lumen, deliver to Lumen all DDoS Intellectual Property without retaining any copy or duplicate; except that Customer may keep a copy of any report(s) provided by SOC Advanced Support, subject to prior approval of Lumen and treatment of the reports as "Lumen proprietary". The customer is expressly prohibited from using any component of the DDoS Mitigation Service or DDoS Intellectual Property other than as expressly provided for in this Service Schedule.

4.2 Privacy/Data Protection. Customer acknowledges that Lumen may process personal information of Customer and/or its end users in connection with providing, monitoring, and managing the Services, including across national borders. Lumen may also disclose such information to its affiliates and underlying vendors for similar processing in connection with providing the Service or to comply with applicable law. Customer is responsible for complying with all privacy and data protection laws and regulations regarding Customer content, end users, and other relevant data Customer elects to process via the Services, including ensuring a valid legal basis and adequate notifications for all such processing. Customer is solely responsible for properly configuring and using the Service and taking its own steps to maintain appropriate security controls, information protection, and backup (if applicable) of any data, which may include the use of encryption technology to protect such data from unauthorized access or use. Given that the Customer determines which data to process via the Service and which security measures to apply to such data, Customer and not Lumen will be responsible for whether the Services are suitable to process the relevant data.

4.3 Additional Disclaimer of Warranty; Liability.

4.3.1 Customer acknowledges the Services endeavor to Mitigate security Events, but Events, even if determined to be Attacks, may not be mitigated entirely, or rendered harmless. Customer further acknowledges that it should consider the Service as just one tool to be used as part of an overall security strategy and not a guarantee of security. The Service provided in this Service Schedule is a supplement to Customer's existing security and compliance frameworks, network security policies and security response procedures, for which Lumen is not, and will not be, responsible. While Lumen will use reasonable commercial efforts to provide the Services in accordance with the SLA, the Services are otherwise provided "as-is." LUMEN MAKES NO WARRANTY, GUARANTEE, OR REPRESENTATION, EXPRESS OR IMPLIED, THAT ALL SECURITY THREATS AND VULNERABILITIES WILL BE DETECTED, THAT THE PERFORMANCE OF THE SERVICES WILL RENDER CUSTOMER'S SYSTEMS INVULNERABLE TO SECURITY BREACHES, THAT ANY THIRD PARTY SOFTWARE PROVIDED BY CUSTOMER WILL BE COMPATIBLE WITH THE SERVICE AND/OR THAT LUMEN'S PERFORMANCE OF SECURITY SERVICES, INCLUDING ACTIVITIES OR TASKS WILL COMPLY WITH OR SATISFY ANY APPLICABLE GOVERNMENTAL OR INDUSTRY DATA SECURITY STANDARD. IF ACTIVITIES OR TASKS INCLUDE BY WAY OF EXAMPLE, MAKING RECOMMENDATIONS, PERFORMING ASSESSMENTS, TESTS, OR PROVIDING REPORTS CUSTOMER AGREES THAT SUCH ACTIVITIES ARE PROVIDED IN GOOD FAITH AS TO ITS ACCURACY A AND LUMEN DOES NOT AND CANNOT GUARANTEE THAT SUCH ACTIVITIES, RECOMMENDATIONS, ASSESSMENTS, TESTS OR MONITORING WILL BE ACCURATE, COMPLETE, ERROR-FREE, OR EFFECTIVE IN ACHIEVING CUSTOMER'S SECURITY AND/OR COMPLIANCE RELATED OBJECTIVES. ALL PROFESSIONAL SECURITY ASSISTANCE SERVICES ARE PROVIDED AS IS. Neither Lumen or its vendors will be liable for any damages or liabilities however classified including third party claims which Customer or third parties may incur as a result of: (i) non-compliance with any standards which apply to Customer, and/or (ii) reliance upon (or implementation of recommendations from) results, reports, tests, or recommendations related to the Services; or (iii) loss or corruption of data or information transmitted through the Service.

4.3.2 THIRD PARTY SOFTWARE OR SERVICES ARE NOT PART OF THE SERVICE, AND CUSTOMER ACQUIRES THEM DIRECTLY FROM THE THIRD-PARTY PROVIDER. LUMEN IS NOT RESPONSIBLE OR LIABLE FOR ANY DAMAGES WHATSOEVER RELATED TO THIRD PARTY SOFTWARE OR SERVICES, EVEN IF LUMEN RECOMMENDS THE THIRD PARTY PROVIDER, EVEN IF THE THIRD PARTY SOFTWARE OR SERVICE IS RELATED TO THE SERVICE OR TO CUSTOMER'S ABILITY TO RECEIVE OR EXPLOIT THE SERVICE, AND EVEN IF LUMEN ACTS AS THE THIRD PARTY PROVIDER'S AGENT IN DELIVERING OR ENABLING ACCESS TO THE THIRD PARTY SOFTWARE OR SERVICE, IN COLLECTING PAYMENT, OR IN

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OTHER WAYS. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, LUMEN WILL HAVE NO RESPONSIBILITY OR LIABILITY FOR MAINTENANCE, UPDATES, OR UPGRADES OF THIRD-PARTY SOFTWARE AND SERVICES, FOR INTELLECTUAL PROPERTY INFRINGEMENT BY THIRD PARTY SOFTWARE OR SERVICES OR ANY FAILURE OR PERFORMANCE OF THE THIRD-PARTY SOFTWARE OR SERVICE. Lumen is the applicable supplier's agent for the purposes of ordering, collecting payment or in other ways as it relates to third party software or Services.

4.4 Suspension; Access; Restrictions.

4.4.1 Lumen may temporarily suspend any Service immediately if Lumen has a good faith belief that Suspension is reasonably necessary to Mitigate damage or liability to the Mitigation Infrastructure or Lumen network or to other customers of Lumen that may result from Customer's continued use of the Service. Lumen may terminate any Order if Lumen or an applicable vendor or subcontractor cannot maintain any required regulatory approvals, despite its reasonable efforts to do so. A customer's access to the applicable Services will end as of the effective date of termination or expiration and Services do not include transition assistance.

4.4.2 Nothing in this Service Schedule grants Customer any rights to, and Customer is expressly prohibited from, reselling the Services, or using any component of the Service or any Lumen proprietary materials to create or offer derivative versions of the Service either directly, or through a third party, as a standalone service offering, as bundled with Customer's services or products, or on a service-bureau basis.

4.4.3 Customer understands that DDoS Mitigation Service may result in disruptions of and/or damage to Customer's, Customer's end-users' or third parties' information systems and the information and data contained therein, including but not limited to denial of access to a legitimate system user. The Services do not include backing up data prior to deploying Services or arranging alternative means of operation should such disruptions or failures occur. Customer understands and acknowledges that the Service is not suitable for the maintenance or processing (apart from mere transmission) of protected health information consistent with the Health Insurance Portability and Accountability Act (HIPAA), as amended or any other applicable laws in the matter.

5. Definitions.

"Always-On" refers to an optional feature for DDoS Mitigation Direct, DDoS Mitigation Internet Direct Service, or DDoS Mitigation GRE Service that continually diverts Customer's inbound internet traffic through the Mitigation Infrastructure using BGP networking service.

"Attack" means a distributed denial of service attack on a computer system or network that causes a loss of service to users, typically the loss of network connectivity and services by consuming the bandwidth of the victim network or overloading the computational resources of the victim system.

"Event" means a security abnormality detected by the Service or reported by Customer to the SOC. An Event does not necessarily constitute an actual security incident or Attack and must be investigated further to determine its validity.

"Excused Outage" will also mean for purposes of this Service Schedule, the SLA will not apply, and Customer will not be entitled to receive a credit or exercise a termination right under the SLA, for any outage that adversely impacts the Service that is caused by, or attributable to: (a) the acts or omissions or misuse of the Service by Customer, its employees, contractors or agents or its end users; (b) the failure or malfunction of equipment, applications, the public Internet or other network or telecommunications unavailability, or systems not owned or controlled by, or attributable to, Lumen; (c) Regularly Scheduled Maintenance or emergency maintenance, alteration or implementation; (d) the unavailability of required Customer personnel or the inability of Lumen to contact Customer related to the Service, including as a result of failure to provide Lumen with accurate, current contact information (including email); (e) Lumen's lack of access to the Customer premises where reasonably required to restore the Service; (f) Customer's failure to release the Service for testing or repair and continuing to use the Service on an impaired basis; (g) Customer's failure to provide timely approvals and/or consents, including allowing Lumen to retune the Service as required for Lumen to provide the Service; (h) Customer's sustained traffic load reaching a point that causes material degradation to or outage of the underlying Lumen Internet infrastructure not directly related to the Mitigation Infrastructure; (i) improper or inaccurate network specifications provided by Customer; (i) Customer is in breach of its obligations under this Service Schedule; (j) Customer failure to properly update the Route Origin Authorization ("ROA"); or (k) Customer's failure to notify

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Lumen in advance of network topography or system issues if the failure to notify results in failures, interruptions or degradation of Service.

"Mitigation" or "Mitigate" means rerouting of traffic through Lumen DDoS Mitigation Service and initiating countermeasures with the intent to remove Attack traffic identified by the Mitigation Infrastructure located in Lumen's network.

"Mitigation Infrastructure" is defined as a collection of Lumen devices consisting of routers, servers and scrubbers that connect to Lumen's internet and are designed to filter malicious Attack traffic and pass-through legitimate traffic in order to Mitigate the potential disruptions caused by an Attack.

"On-Demand" refers to an option for DDoS Mitigation Direct, DDoS Mitigation Internet Direct Service or DDoS Mitigation GRE Service that diverts Customer's inbound internet traffic through the Mitigation Infrastructure using BGP networking only when Customer traffic is under Attack or suspected of being under Attack.

"Order" which may also be referred to as "Service Order" means a service order request submitted on a form issued by Lumen and signed or agreed by Customer that includes the type and details of the specific Services ordered by Customer. A Service Order will also mean the online activation of Services including submitting a request within the Portal.

"Portal" may refer to either the DDoS specific Portal where Customer will have access to see traffic monitoring, alerting and Mitigation or the general Lumen Portal where Customer may view Service inventory and Service tickets.

"Regularly Scheduled Maintenance" means any scheduled maintenance performed to the Mitigation Infrastructure. Regularly Scheduled Maintenance will not normally result in Service interruption. If Regularly Scheduled Maintenance requires an interruption, Lumen will: (a) provide Customer seven (7) days' prior written notice, (b) work with Customer to minimize such interruptions, (c) use commercially reasonable efforts to perform such maintenance between midnight and 6:00 a.m. local time where the Mitigation Infrastructure is located on which such maintenance is performed and (d) work with Customer to remove Always-On Customer traffic from the Mitigation Infrastructure during such maintenance to avoid interruption. Emergency maintenance may be performed on less or no notice.

"Resource Public Key Infrastructure" or "RPKI" is a specialized public key infrastructure standard, adopted by most internet service providers (ISPs), that was designed and developed to provide a secure means of peer-to-peer IP Route announcements (BGP Protection). RPKI helps ensure that a route announcement is legitimately coming from the source AS (Autonomous System) and that it was registered with the Route Registry.

"Service Guide" (or "SG") means the product-specific Service guide that includes technical descriptions which Lumen may modify from time to time, effective upon posting at: https://www.lumen.com/en-us/about/legal/business-customer-terms-conditions.html.

"Service Validation" means the process by which the DDoS Mitigation Service is confirmed as available as a part of the provisioning process enabling Lumen to obtain a profile of Customer's traffic. Customer will coordinate to schedule Service Validation when contacted by Lumen to do so. Service Validation is conducted over two (2) windows during which traffic is routed through the Mitigation Infrastructure as follows: (a) an initial 2 hour "test" window, and (b) a 24-hour validation window. Service Validation must be completed for all or a subset of protected Class C subnet prior to routing traffic through the Mitigation Infrastructure.

"Suspension" means Lumen's suspension of the DDoS Mitigation Service to Customer as permitted by this Service Schedule.

"Third Party Software or Services" means those designated services where Customer must agree to the commercial software terms required by the vendor that form the binding agreement between the applicable vendor and Customer. For all such designated services, Lumen is not responsible for or liable for the Services, including the performance of or failure to perform of the services.

Pricing: Click here to view the LUMEN DDoS Price List

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2.3.3 Lumen Hosted VoIP and IQ SIP Trunk

2.3.3.1 Hosted VoIP Overview

Lumen Hosted VoIP offers advanced calling features over our privately owned fiber network, meaning calls can be routed fast, voice and email messaging can be unified, and multiple devices can be scheduled to ring at the same time.

This efficient, streamlined service means that your agency benefits from increased collaboration and stronger communication among employees with faster customer response times.

Hosted VoIP uses the BroadSoft Broad Works platform which allows agencies to add, move, or change features as needed. All of this means you're more accessible to more people in more places. Our affordable pricing and scalability mean you'll stay that way for years to come.

Lumen Hosted VoIP handles all upgrades and improvements, at no additional cost to you. With IP phones included and per-seat pricing, you can't go wrong.

2.3.3.2 Hosted VoIP Service Allows You To:

Show a single dial plan for entire agency, even if you're geographically distributed or have no primary office.

- Make calls remotely as though you're at work using your home telephone and receive the same features as any office user.
- Be reached wherever you are by setting your phone to ring multiple devices either at the same time or in a particular order.
- Adjust administrative settings and users with access t ro online portals phone features, settings, etc.
- Use our convenient toolbar to access mobility features, such as click-to-dial functionality and call management, so your employees can connect (using a computer).
- Retrieve your voicemail messages through your phone, by email, or through the user portal (unified messaging).
- Combine the receptionist IP phone with a choose-and click operator interface on a computer screen that makes it easy for a receptionist to direct calls to staff, wherever they are (receptionist portal)

2.3.3.3 Hosted VoIP and Lumen IQ® SIP Trunk Service Exhibit

1. General; Definitions. Capitalized terms not defined herein are defined in the Agreement. Lumen QCC will provide Hosted VoIP ("Hosted VoIP") and Lumen IQ® SIP Trunk ("SIP Trunk") (collectively, "Service") under the terms of the Agreement and this Service Exhibit.

"Administrator Portal" enables the Customer administrator to: (a) set up End Users; (b) implement: (i) some moves, adds, changes, and deletions; and (ii) calling restrictions.

"Alien TN" means a telephone number that has not been ported to Service or has not been assigned by Lumen. Alien TNs is currently only permitted with SIP Trunk.

"ANI" means automatic number identification.

"Approved Connectivity" means a new or existing Lumen IQ® Networking port or Data Bundle Solution provided by Lumen QCC, or new or existing DIA Service or Internet Bundle provided by a Lumen Affiliate other than Lumen QCC. If Customer selects an access type that does not provide guaranteed end-to-end QoS or if Customer is not using Approved Connectivity at any point in time, (e.g., a Wi-Fi or wireless network or device), Customer may experience call quality issues. In these instances, Lumen's Voice Availability SLA will not apply. Additionally, Customer acknowledges that the only way to resolve quality issues on connectivity that does not provide end-to-end QoS may be to move to another connectivity type that provides end-to-end QoS.

"Approved CPE" means internet connectivity routers, Customer premises switches and routers, and IP enabled devices (e.g., handsets) and intangible computer code contained therein, designated by Lumen. In some cases, Customer may provide its own Approved CPE. If Customer provides Approved CPE, the provisions of the "Customer-Owned CPE" section of this Service Exhibit will apply.

"Calling Party Number" (CPN) means the originating party's telephone number, as displayed on Caller ID (when Caller ID privacy is not restricted).

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"Lumen-Approved 911 Location" means Customer's current 911 location that is displayed on the My 911 Location page of the MyAccount: VoIP portal, which may be the 911 location of a Customer PPU, or an updated temporary location that Lumen has previously approved. Service may only be used at a Lumen-Approved 911 Location.

"Customer Environment" means Customer's data network/equipment and premises environment.

"Enterprise Trunk" means an aggregation of Trunk Groups, primarily for the purpose of applying a routing policy to select a Trunk Group for a call terminating to the PBX from Lumen.

"EULA" means an end user license agreement for software of Lumen or a third-party provider. Customer End Users must accept a EULA before downloading certain software for use with the Service.

"Initial Term" is as shown in the Pricing Attachment.

"IP" means Internet Protocol.

"IP Device" means IP-enabled station sets, expansion modules and handsets approved by Lumen for use with the Service.

"ISS" means Information Services Schedule which can be found at http://www.Lumen.com/tariffs/clc_info_services.pdf and which is subject to change. The ISS contains the current standard rates for domestic and international Off-Net Calls and toll-free calls.

"MATR" means minimum average time requirement.

"Minimum Service Term" is six months from the Start of Service Date.

"Off-Net Calls" means any calls that are not (a) local calls, (b) 8xx outbound calls, or (c) On-Net Calls.

"On-Net Calls" means calls between the Service and any of the following Lumen services: Lumen IQ SIP Trunk, Hosted VoIP, SIP Trunk (Sonus platform), Managed VoIP, Analog VoIP, Digital VoIP, or Integrated Access, and that are transmitted through the Service entirely over the Lumen IP network and not the PSTN or another carrier's IP network.

"Ported TN" means an existing telephone number that is currently subscribed to a local exchange carrier for local, local toll and/or long-distance telecommunications services and ported to Lumen for use with the Service.

"PPU" means the location given by the Customer as the Primary Place of Use for a particular TN or 8xx TN.

"Pricing Attachment" means a document containing rates specific to Service and is incorporated by reference and made a part of this Service Exhibit.

"PSAP" means public safety answering point.

"PSTN" means public switched telephone network.

"QoS" means Quality of Service.

"Rate Sheet" means: (a) for Hosted VoIP Service the document located at http://www.Lumen.com/legal/HostedVoIP/ALaCarteRatesv1.pdf; and (b) for SIP Trunk the document located at http://www.Lumen.com/legal/IQSIP/ALaCarteRatesv1.pdf. The Rate Sheets include additional pricing for Hosted VoIP and SIP Trunk optional features, domestic Off-Net long distance and toll-free terms and pricing, and MACD charges. The Rate Sheets are incorporated herein by reference.

"Renewal Term" means renewal periods equal to the Initial Term that commence once the Initial Term is complete.

"Router" means a router or router/switch approved by Lumen for use with the Service.

"RSS" means the International Rates and Services Schedule which can be found at http://www.Lumen.com/tariffs/fcc_clc_ixc_rss_no_2.pdf and which is subject to change. The RSS contains provisions relating to international toll-free service.

"Session" means a single unit of simultaneous call capacity.

"SIP" means Session Initiation Protocol.

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"SIP Trunk Diversion Header" means a header used to support PSTN redirecting services such as Call Forwarding.

"SLAs" means service level agreements posted at http://www.Lumen.com/legal which are subject to change.

"Soft Phone" means software for an IP-enabled device that allows Customer's End Users to use the Service to make and receive calls on that device.

"Start of Service Date" means the date Lumen notifies Customer that Service is provisioned and ready for use.

"Term" means Initial Term and each Renewal Term.

"Trunk Group" means a group of Sessions used for local or usage-based voice services.

2.3.3.4 Service Description

Hosted VoIP and SIP Trunk are described in separate subsections below. Features and options available only with Hosted VoIP are listed in the "Hosted VoIP Service" sub-section. Features and options available only with SIP Trunk are listed in the "SIP Trunk" sub-section. Features and options available with both Services are listed in the "Common Features" sub-section. Each Hosted VoIP and SIP Trunk seat includes one TN.

(a) Hosted VoIP Service. Hosted VoIP Service is an IP application that provides real time, two-way voice capability in IP over a broadband connection. Customer may purchase Service on a per seat basis. Except as otherwise indicated herein, the MRC for Hosted VoIP Seats includes rental of one IP Device. Hosted VoIP seats include the specific features identified below based on seat type. Additional charges apply for optional features listed below, and, if applicable, for Router rental and maintenance. Subject to Approved Connectivity and Approved CPE limits, Customer may order up to a maximum of 10,000 Hosted VoIP seats/TNs per location. Features listed in this section (a) are only available with Hosted VoIP.

(i) Hosted VoIP Basic Seats. Basic Seats are designed for a lobby, break room, cafeteria or shop area that is not assigned to a specific End User. Basic Seats include: the ability to make On-Net and Off-Net Calls, an End User Portal, an Administrator Portal, call waiting, and call forwarding, as well as other features, some dependent on IP handset model or Soft Phone software. Basic Seats do not include voice mail. Information regarding IP handset or Soft Phone features supported by the Service is available from a Lumen Sales Representative. The End User Portal provides access to call logs, click-to-call, and other features. The Administrator Portal enables Customer administrator functionality, including the ability to set up End Users, implement some moves, adds, changes, and deletions, and implement calling restrictions.

(ii) Hosted VoIP Standard Seats. Standard Seats are designed to address a company's standard calling practices (general business, support, and clerical personnel) that do not require an advanced feature set. Standard Seats include the features listed for Basic Seats above, plus a standard feature package and voicemail.

(iii) Hosted VoIP Conference Room Seats. Conference Room seats have the same features as a Standard Seat and are tailored for the purpose of attaching a Conference Room phone, which often is a speaker phone model. Customer may enable or disable features best suited for that phone type in the Administrator Portal. Conference Room Seats do not include voice mail.

(iv) Hosted VoIP Premium Seats. Premium Seats are designed to fit the needs of the majority of a company's professional employees. Premium Seats provide End Users with advanced IP phone features as well as premium phone and soft client access. Premium Seats include the features listed for Basic and Standard Seats above, plus an advanced feature package and Microsoft® Outlook® integration.

(v) Hosted VoIP Receptionist Seats. Receptionist Seats have the same features as a Premium Seat and are intended for use by Customer End Users who handle multiple calls and redirect those calls to other Customer End Users within their business group. Receptionist Seats may either use IP Phones with up to three side car modules to expand the call appearance capacity, or a Receptionist Web Console. Additional charges apply for side car modules and the Receptionist Web Console. The Receptionist Web Console window is integrated with the call manager feature, enabling functions such as click-to-transfer or click-to-dial. The Receptionist Web Console graphically displays End Users' status (busy, idle, or do not disturb), as well as detailed call information. Additional display management options are also available with the Receptionist Web Console.

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(vi) Hosted VoIP Admin Seats. Admin seats are intended for use by Customer End Users who handle multiple calls and redirect those calls to other Customer End Users within their business group. Admin seats may either use IP Phones with one side car module to expand the call appearance capacity, or a Receptionist Web Console. An additional charge applies for the Receptionist Web Console. The Receptionist Web Console window is integrated with the call manager feature, enabling functions such as click-to-transfer or click-to-dial. The Receptionist Web Console graphically displays End Users' status (busy, idle, or do not disturb), as well as detailed call information. Additional display management options are also available with the Receptionist Web Console.

(vii) Hosted VoIP Analog Seats. An analog seat does not include a physical device (like a phone). This seat is designed to accommodate multiple analog devices that may be directly connected back to analog telephone equipment on Customer's premises. A TN associated with an analog seat can be used as a line appearance on a phone but cannot be used as the primary TN. Analog seats have the same features as Premium Seats, except for the associated physical device.

(b) SIP Trunk. SIP Trunk provides the delivery of origination and termination of local, including 911, voice traffic and optionally long-distance, and toll-free traffic via a SIP signaling interface enabled to the Customer Premise Equipment (CPE). All voice traffic will be delivered in an IP format over separately purchased Approved Connectivity. Customer must purchase Standard, Enterprise, or Basic Sessions with the Service. Features listed in this section (b) are only available with SIP Trunk.

(i) Standard SIP Trunk Sessions. Standard SIP Trunk Sessions include: the ability to make On Net and Off Net calls and terminate Toll Free calls, an End User Portal, an Administrator Portal, Call Waiting, Calling Line ID Delivery Blocking, Calling Name Retrieval, Calling, Malicious Call Trace, as well as other features. They offer sharing of Sessions among Enterprise locations and provide a PSTN failover upon unavailability of Trunk Groups.

(ii) Enterprise SIP Trunk Sessions. Enterprise SIP Trunk Sessions include: all features included in Standard SIP Trunk Sessions, plus Business Continuity options, free Off-Net long-distance minutes per Session purchased. They offer sharing of Sessions among Enterprise locations and provide a transparent PRI failover, Enterprise Trunking, and homing to geo diverse session border controllers.

(iii) Basic SIP Trunk Sessions. Basic SIP Trunk Sessions provide the ability to make On-Net and Off-Net calls and terminate toll free calls. Calls delivered over this Session type are all metered.

(iv) Optional SIP Trunk Features. The optional features listed in this section are available only with SIP Trunk.

a) SIP Trunk Basic Seats. SIP Trunk Basic Seats are designed for use with Basic SIP Trunk Sessions only. All calls made from SIP Trunk Basic seats are metered.

a) (2) SIP Trunk Standard Seats. SIP Trunk Standard Seats are for use with Standard SIP Trunk Sessions and Enterprise SIP Trunk Sessions only. They are designed to address a company's standard calling practices (general business, support, and clerical personnel) that do not require an advanced feature set. Standard Seats include a standard feature package.

b) SIP Trunk Premium Seats. SIP Trunk Premium Seats are for use with any type of SIP Trunk Session. SIP Trunk Premium Seats are designed to fit the needs of most of a company's professional employees. They provide End Users with advanced IP phone features as well as Anywhere and MobileLink access.

c) SIP Trunk Mobility Seats. SIP Trunk Mobility Seats are for use with any type of SIP Trunk Session. A SIP Trunk Mobility Seat includes standard SIP Trunk features, Anywhere and MobileLink.

d) Enhanced 911 Service. 911 service provided with SIP Trunk is associated with the main business TN at each Customer location, and not with the actual End User location. Customer may purchase optional Enhanced 911 Service for an additional charge. Enhanced 911 Service provides Customer the option to have an E911 service address per TN that is different than a main business TN.

e) SIP REFER. SIP REFER allows Customer to transfer a call using a specific network protocol that causes the network to complete the call transfer rather than CPE.

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f) **Common Features.** Customer may purchase the following optional services with both Hosted VoIP and SIP Trunk for additional charges. Other optional features and services may be available on an individual case basis. The local and long-distance calling service area for a Hosted VoIP seat or SIP Trunk telephone number is based on the area code and prefix assigned to the End User and does not depend on the End User's physical location.

a) **Hunt Groups.** An additional MRC and NRC apply for each hunt group. An additional MRC will also apply if Customer orders a voice mail box for a hunt group.

b) **Auto Attendant.** An additional MRC and NRC apply for each auto attendant.

c) **Voice Mail Only Seats.** Customers may purchase optional voice mail only seats at the MRC shown in the applicable Rate Sheet. Voice mail only seats are featureless seats that allow inbound callers to leave a voice mail message. Since IP handsets and Soft Phones are not available with a voice mail only seat, outbound calls and 911 calls cannot be made from a voice mail only seat.

d) **Virtual Seats.** A virtual seat does not include a physical device (like a phone) and is not associated to a SIP Trunk Group. A TN associated with a virtual seat can be used as a line appearance on a phone but cannot be used as the primary TN. Virtual seats have the same features as Hosted VoIP or SIP Trunk Premium Seats, except for the associated physical device.

e) **Available TNs.** An available number is an unallocated number Customer retains in a pool for later use. An additional MRC applies for each available TN.

f) **Anywhere TNs.** Customer can order optional Anywhere TNs (find me, follow me capability) with Hosted VoIP and SIP Trunk Premium Seats and with SIP Trunk Mobility Seats. An additional MRC and NRC apply for each Anywhere TN.

g) **Local, 8XX and On-Net Calls.** Local calls, 8XX outbound calls, and On-Net Calls are included in the Standard, Premium, Conference Room, Receptionist and Basic Hosted VoIP seat MRCs, and in the Standard and Enterprise SIP Trunk Session MRCs.

h) **Off-Net Calls.** Additional per minute charges apply to international Off-Net Calls. Additional per minute charges also apply to domestic Off-Net calls in excess of the quantity of waived minutes shown in the "Domestic Outbound Off-Net LD and Domestic Inbound 8XX Pricing" section on the applicable Rate Sheet (the "LD/TF Offer"). Lumen may modify the LD/TF Offer upon expiration of the Initial Term, including reverting to standard Off-Net long-distance rates. Standard per minute rates for domestic and international Off-Net long distance are shown in the ISS. If Customer negotiated non-standard Off-Net long-distance rates on a Voice Service Exhibit, those negotiated rates will apply to SIP Trunk long distance in lieu of the ISS rates or the LD/TF Offer. Regardless of where Off-Net pricing for long distance is located, the terms and conditions of this Service Exhibit will continue to apply to long distance used with Service. Additional per minute charges apply to each Off-Net Call leg of a conference call.

i) **Toll-Free.** Inbound toll-free services are available with the Service. Lumen is required by the FCC to state in this Service Exhibit that the Customer is prohibited from using any toll-free TN, or other TN advertised or widely understood to be toll free, in a manner that would violate FCC rule 47 CFR 64.1504. Additional per minute charges apply to international inbound toll-free calls. Additional per minute charges also apply to domestic inbound toll-free calls in excess of the quantity of waived minutes shown in the "Domestic Outbound Off-Net LD and Domestic Inbound 8XX Pricing" section on the applicable Rate Sheet (the "LD/TF Offer"). Lumen may modify the LD/TF Offer upon expiration of the Initial Term, including reverting to standard domestic inbound toll-free rates. Standard rates for domestic and international toll-free service are in the ISS. If Customer negotiated non-standard toll-free rates on a Voice Service Exhibit, those negotiated rates will apply to inbound toll free in lieu of the ISS rates or the LD/TF Offer. Regardless of where toll free pricing is located, the terms and conditions of this Service Exhibit will continue to apply to toll free used with the Service.

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j) **Operator Services.** Available for calling or credit card billed calls only. No collect or third-party billing calls are supported. Pricing for Operator Services is located in the FCC Operator Services Informational Tariff posted at: http://www.Lumen.com/tariffs/fcc_clc_ops_t.pdf.

k) **Directory Listing.** An additional MRC applies to each basic business white page listing a telephone number.

l) **Directory Assistance.** A flat per call charge applies to directory assistance.

m) **Receptionist Web Console.** Receptionist Web Console is a Web-based application that provides receptionist console capabilities for Service on a Customer PC. An additional MRC applies for each Receptionist Web Console.

n) **Desktop/Mobile Soft Phones.** Desktop and mobile Soft Phones are Internet-based software that allow Customer End Users to utilize the calling features of the Service on a Customer Windows/PC, Apple/Mac, Android, or iOS device using available Internet access. Voice quality and the ability to utilize the Soft Phones may be impacted by the availability of Customer's Internet access, Internet capacity and associated Customer-provided hardware limitations. Customer End Users must accept a EULA when downloading Soft Phone software. Additional charges for available Soft Phones are shown on the Rate Sheet. When purchased with Hosted VoIP, desktop and mobile Soft Phones can only be purchased in conjunction with Standard or Premium Seats. When purchased with SIP Trunk, desktop and mobile Soft Phones can only be purchased in conjunction with Premium or Mobility Seats.

o) **PAC/VPAC.** PAC/VPAC are optional product account authorization codes available with the Service. These authorization codes restrict access to outbound long-distance dialing. End Users attempting to call long distance outside the authorized group are prompted to enter a code prior to placing the long-distance call. Calls are not connected unless a valid code is entered.

2.3.3.5 Service Conditions

The following conditions apply to the Service:

(a) Site Conditions. The customer is responsible for ensuring that its Customer Environment is fully prepared for the convergence of voice and data services during the Term. Customer is responsible for fully understanding how changes in its data network will affect voice quality and reliability of the Service. The addition of new data network applications, increased usage, movement of Customer personnel, and equipment failures can all have an impact on Service using that network. Lumen has no liability for Service deficiencies or interruptions caused by failures or malfunctions in the Customer Environment. A Lumen representative will assist the Customer in a technical interview to determine if the Customer Environment meets the specifications. The customer is responsible for providing all the necessary information to complete the technical interview. If Lumen determines in the technical interview that the Customer Environment does not meet the specifications needed to use the Service, the Customer may terminate the Service without liability for any Cancellation Charge.

(b) Access. The customer must provide Lumen and/or its representative access to the Customer premises to the extent reasonably determined by Lumen for the installation, repair, replacement, inspection and scheduled or emergency maintenance of the Service. The installation NRC covers either a single Customer site visit by a Lumen technician (where Service is added to existing Approved Connectivity), or a maximum of two Customer site visits (where installation of the Service includes new Approved Connectivity). If additional site visits are required, time and material charges will apply at Lumen's then current rates. The customer is responsible for providing a safe place to work on its premises and complying with all laws and regulations regarding the working conditions at its premises.

(c) Voice Services (Long Distance and Toll Free). Lumen will provide the voice services under the terms of the Agreement, ISS, and this Service Exhibit

(i) Description; Service Guide and SLA. Long Distance accepts domestic and international dedicated long-distance traffic in IP format and converts such traffic for transmission across the telecommunications network. Toll Free accepts domestic and international toll-free traffic and converts it into IP format for transmission to Customer. The voice services are dedicated offerings. All use of the voice services will comply with and be subject to the Services Guide and applicable sections of the Lumen Hosted VoIP and IQ SIP

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Trunk SLA, which is posted at http://www.Lumen.com/legal/. Lumen reserves the right to refuse to accept, suspend, or limit any or all of Customer's IP traffic not complying with the Service Guide technical specifications or that Lumen believes is adversely affecting other customers on the Lumen network. The Service Guide is incorporated into this Service Exhibit with this reference. Lumen may reasonably modify the Service Guide to ensure compliance with applicable laws and regulations and to protect Lumen's network and customers, and such change will be effective upon posting to the Web site.

(ii) Telemarketing. With respect to any outbound long distance: (a) Per the Federal Trade Commission ("FTC"), telemarketers are required to transmit their telephone number to Caller ID services. As such, all telemarketers using Lumen commercial services are required to provide CPN/pseudo-CPN and a CGN provisioned with the service: IF A TELEMARKETER DOES NOT PROVIDE LUMEN WITH A NUMBER FOR THIS PURPOSE, THE CALL WILL BE BLOCKED BY LUMEN; and (b) Federal Do Not Calls rules require that companies that tele market or engage in telephone solicitations adhere to the requirements set forth in 47 C.F.R. section 64.1200 (FCC) and 16 C.F.R. Part 310 (FTC). Please consult with your company's legal advisor for more information.

(iii) Non-Completed Calls. "Non-completed Call Percentage Threshold" means 30% of all attempted calls, both completed and non-completed. If the percentage of Customer's calls that do not complete (out of all attempted calls) meets or exceeds the Non-completed Call Percentage Threshold for any given monthly billing cycle, Lumen may, upon 30 calendar days' notice to Customer, disconnect any and all circuit(s) providing Service on which the Non-completed Call Percentage Threshold was exceeded.

(iv) International Toll Free. International Toll-Free Service "ITFS"/Universal International Freephone Number "UIFN" billing increments, usage restrictions and descriptions are found in the RSS. All rates are located in the ISS.

(d) Approved Connectivity and CPE. Service may only be used with Approved Connectivity and Approved CPE. Except for IP handsets, which are included with Hosted VoIP Service, Customer must purchase Approved Connectivity and Approved CPE separately. Lumen may be added to the Approved Connectivity and Approved CPE lists from time to time. The then current lists are available to Customer upon request. Lumen has no liability for Service deficiencies or interruptions caused by Customer, its employees, contractors or agents, or End Users reconfiguring or misconfiguring the Approved Connectivity or Approved CPE.

(e) Queuing Method. Customers using Lumen IQ Networking Private or Enhanced Ports for Approved Connectivity are strongly encouraged to select Queuing Method ("QM") C, if available. If unavailable, Customers are strongly encouraged to select QM B. If Customer instead selects QM A or QM D, Customer may experience call quality and/or call set-up problems under normal usage patterns. If that occurs, Lumen's first troubleshooting step will be to implement QM C or QM B. Lumen will thereafter only engage in further troubleshooting if implementing QM C or QM B does not resolve the problem. If changing the QM resolves the call quality and/or set-up problems, Customer agrees to continue using the QM implemented by Lumen to resolve the issue.

(f) Customer-Owned CPE. Instead of renting Approved CPE from Lumen, Customer may, at its option, utilize Customer-owned CPE with Service. Customer-owned CPE includes CPE purchased from Lumen or another CPE vendor. All Customer-owned CPE used with Service must: (i) be on Lumen's Approved CPE list; (ii) be covered by a Lumen CPE maintenance plan during the entire Term; (iii) include an operating system that complies with Lumen's minimum requirements; and (iv) be re-imaged or programmed by Lumen to work with Service. Notwithstanding subpart (iv), Lumen will not re-image, program or adjust settings on Customer-owned LAN switches unless Customer purchases separate network management service from Lumen. A copy of Lumen's current Approved CPE list and list of current minimum operating system requirements are available upon request. Unless the Customer purchases CPE maintenance from Lumen, Lumen will not maintain the Customer-owned CPE. Lumen will also not install or maintain operating system software on Customer-owned CPE. Except where Customer has purchased CPE maintenance from Lumen on a Customer-owned CPE device, Customer will not be entitled to SLA remedies if Service fails to meet a Lumen SLA due to a failure or malfunction of that device.

(g) Off-Net Call Billing. Off-Net Call charges are quoted in full minutes. Each domestic Off-Net Call is measured and billed for an initial 18 seconds and rounded up to the next 6 second increment after the first 18 seconds. Domestic Off-Net Calls are also subject to a 30 second MATR per call. If the MATR is not met in a particular month, Lumen may add $0.01 to the per minute charge for all domestic Off-Net Calls during that month. Each international Off-Net Call (except to Mexico) is measured and billed for an initial 30 seconds and rounded up

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to the next 6 second increment after the first 30 seconds. Each International Off-Net Call to Mexico is measured and billed for an initial one minute and rounded up to the next minute after the first minute.

(h) Unsupported Calls. The Services do not support collecting or third-party billing. The Services may not support 311, 511 and/or other x11 services (other than 911, 711 and 411 dialing) in all service areas. The Services do not support any outgoing calls from seats that are not associated with an IP Device or Soft Phone (i.e., from Voice Mail Only Seats), unless another telephony device from which the call can be originated via the End User Portal is used. The Services do not support remote bridged line appearances ("Remote BLAs") or remote shared call appearances ("Remote SCAs"). Customer is specifically instructed not to enable Remote BLAs or Remote SCAs on its IP devices used with the Services. Additional information regarding potential issues with Remote BLAs and Remote SCAs is found in the "911 Emergency Service" section of this Service Exhibit.

(i) Area of use. The Service is intended to be used only at one of the Customer PPU locations in the United States (not including U.S. territories). Additionally, Customer may not use IP enabled stationary devices that are assigned to, designated for, or configured for use at one PPU location in any other location, unless Customer has requested a temporary change of its 911 location, and has received approval and the 911 Update Confirmation from Lumen as set forth in the "Use of Service at a Temporary Location" section below. 911 emergency calls automatically route to the appropriate 911 center based upon the Lumen-Approved 911 Location. If Customer or an End User tries to use the Service (i) at a location other than a Lumen-Approved 911 Location (including without limitation, using IP enabled devices assigned to, designated for, or configured for use at one location in a different location) or (ii) outside of the United States (including in any U.S. territories), they do so at their own risk (including without limitation, the risk that Customer will not have access to 911 emergency services and/or such activity violates local laws in the jurisdiction where Customer or an End User tries to use the Service).

(j) Use of Service at a Temporary Location. This section applies to Hosted VoIP Service. It only applies to SIP Trunk if Customer purchases the 911 Emergency Service optional feature with SIP Trunk. Customer may temporarily use the Service at a location other than the Customer PPU location only after obtaining Lumen's approval either (i) by contacting Lumen at 1-877-878-7543 or (ii) by submitting a 911 location change request through the MyAccount: VoIP portal. Customer must submit a 911 location change request both before using Service at the temporary location and before returning to the Customer PPU location. Failure to obtain Lumen's approval is prohibited and constitutes a misuse of the Service. Such misuse will result in 911 calls being routed to the incorrect 911 operator based on processed address information. Use of Service at a temporary location may not exceed six (6) months in duration. Upon submission of Customer's 911 location change request, Lumen will reject the request, or accept and begin processing the request. The customer is responsible for checking the My 911 Location page of the portal to confirm if the request was rejected or accepted. Customer will be notified of the 911 Update Interval (defined in Section 3.1 below) at the time the request is accepted via the My 911 Location page of the portal. Upon completion of the 911 location change and the 911 Update Interval, an e-mail will be sent to Customer's e-mail address of record notifying Customer that 911 service has been successfully moved and is ready for use ("911 Update Confirmation"). In the event Customer does not receive such confirmation by expiration of the 911 Update Interval, Customer agrees to contact Lumen at 1-877-878-7543. Any 911 calls placed prior to receiving the 911 Update Confirmation will be routed according to the last Lumen-Approved 911 Location. If, upon submission of a 911 location change request, Lumen rejects the change request, Customer understands that Lumen has not approved using the Service at that new location and, as such, Customer is prohibited from using the Service there. To ensure proper routing of calls to 911, Customer and its End Users must not install or use IP Devices or Soft Phones with the Service to dial 911 at another address without following the above address change process.

(k) Compliance. The Service cannot be used for any unlawful, abusive, or fraudulent purpose, including without limitation, using the Service in a way that: (i) interferes with Lumen's ability to provide service to Lumen customers; (ii) avoids Customer's obligation to pay for communication services; (iii) constitutes a criminal offense; (iv) gives rise to a civil liability; or (v) otherwise violates any laws. Without limiting the foregoing, the Service cannot be used for autodialing, continuous or extensive call forwarding, fax broadcasting or fax blasting, or for uses that result in excessive usage inconsistent with normal usage patterns.

(l) Authorized Use. Customer and its End Users are the only parties authorized to access the Service. Customer and its End Users are responsible for maintaining the confidentiality of passwords used by Customer and its End Users and will ensure that all use of the Service complies with the Agreement and this Service Exhibit. Customer is responsible for unauthorized use of the Service.

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(m) Power Outages; Internet Connectivity, Customer Data Network and CPE Failures; Maintenance Work; Moving Equipment. The Service will not operate *(including, without limitation, End Users will be unable to access emergency 911 services)* if any of the following items fail: (i) power used with the Service; (ii) the Internet connectivity used with the Service (including without limitation, failures caused by suspension or termination of the Internet connectivity under the terms of that service); (iii) the Customer Environment; (iv) the Approved Connectivity router; (v) Customer premises routers and switches; or (vi) the IP enabled devices used with the Service. Additionally, the Service will not operate (including, without limitation, End Users will be unable to access *emergency 911* services) (vii) while maintenance work is being performed, (viii) if the SIP signaling interface fails; or (ix) if equipment used with the Service is moved from the Customer PPU location (equipment is assigned to, designated for, or configured for use at one location and may not be used in any other location including without limitation to another location where Lumen installed Service). If Customer has requested a temporary change of its 911 location and has received approval and the 911 Update Confirmation from Lumen as set forth in the "Use of Service at a Temporary Location" section above, Customer may move the IP Device or Soft Phone only.

(n) Privacy. Lumen, its affiliates and third-party vendors, may access and use information regarding Customer bandwidth usage and performance of Service to: (i) perform related registration (equipment serial number, activation date, and WTN provided to manufacturer), maintenance, support, and other service-quality activities and (ii) verify AUP compliance and network performance.

(o) Telephone Numbers. Customer must provide at least one TN for use with Service. The TNs may be new TNs or Ported TNs. If Customer requests Ported TNs, Customer authorizes Lumen to process its order for Service and notify Customer's current carrier of Customer's decision to switch its local, local toll and long-distance services to the Service. Customer will be responsible to promptly provide Lumen with its Customer Service Record (CSR) from customer's current carrier to facilitate porting of numbers. Lumen's approved porting window is 7:00 a.m. to 7:00 p.m. eastern time. If Customer does not order new TNs from Lumen, and Ported TNs are not ported within 60 days of the Start of Service Date for a specific location, Lumen reserves the right to terminate Service at that location. Additionally, the Start of Service Date and commencement of billing will not depend on completion of porting. If Customer requests cancellation of Service, it is Customer's sole responsibility to arrange porting of any telephone numbers Customer wants to retain. If porting of numbers is not completed within 30 days following Customer's request for Service cancellation, Lumen may terminate Service and Customer will lose all telephone numbers. There may be limitations to number porting between providers. Due to the portability of VoIP services, for example, providers may allow non-geographic numbers to be used in connection with their service.

(p) Third Party Billed Services. The Service does not support billing for third party services such as online subscription services, equipment leases and wireless services. The customer will be responsible for payment of all such charges directly to the third-party provider.

(q) Local Origination. Customer agrees that the SIP Trunk Diversion Header, ANI and Calling Party Number delivered with each outbound call will accurately reflect the location of the originating party so that appropriate long-distance charges may be applied for each call, where applicable. For example, Customer may not utilize tail end hop off routing to route long distance calls across a private WAN VoIP network and drop off the long-distance calls to the PSTN as local calls at a remote gateway. Failure to comply will constitute a material breach of the Agreement.

(r) Sending Alien TNs Over Lumen's Network (for SIP Trunk only). Lumen allows delivery of outbound calls from Alien TNs, including an 8XX number, to Lumen for transmission over SIP Trunk only. Customer agrees to send a valid TN as a Calling Party Number, whether the TN is registered with Lumen or with other providers. The TN must correctly represent the physical location of the call where the call originates.

(s) End User License Agreements. To utilize certain features of the Service, Customer and its End Users must agree to applicable software license agreements governing such software from Lumen's software vendors. If Customer or its End Users decline, they will not be able to use the applicable features of the Service. All software license agreements are between Customer (including its End Users) and Lumen's software vendors. Lumen has no obligations or responsibility for such software. A customer's sole rights and obligations related to such software, in any way, are governed by the terms of the software license agreements with Lumen's vendors. Notwithstanding any provisions in a third-party provider's end user license agreement, if Customer or its End Users use the third-party software with Service, the Service will support 911 calling with the software, provided Customer and its End Users expressly follow the instructions for 911 calling found in this Service Exhibit and in the 911 advisory for the Service. In part, those instructions state that a Customer End User must not use the third-

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party software client to dial 911 except from that End User's registered physical location. Use at a location other than the registered physical location may route 911 calls to an incorrect 911 dispatch center, potentially delaying emergency services. Lumen strongly recommends Customer and its End Users become familiar with all of the functional limitations described in this Service Exhibit and the 911 advisory. The URL to access the Lumen Hosted VoIP and Lumen IQ SIP Trunk 911 advisory is http://www.Lumen.com/legal/HVIQSIP/911advisory.pdf. That URL is also found on the Help screen in the End User portal. It is also recommended that Customer and its End Users maintain alternative access to 911 services.

(t) Customer's Use of Third-Party Content. The customer is responsible for all content it uses in the music on hold feature of Service. Customer agrees that it has rights from third parties to use any content belonging to others and will not use any content that is unlawful or violates any copyright, trademark or other laws protecting intellectual property. Customer will defend and indemnify Lumen, its Affiliates, agents, and contractors against all third-party claims for damages, liabilities, or expenses, including reasonable attorneys' fees, related to Customer's violation of this provision.

2.3.3.6 SLA

Service is subject to the Lumen Hosted VoIP and Lumen IQ SIP Trunk SLA. The SLA is posted at http://www.Lumen.com/legal/. Lumen reserves the right to amend the SLA effective upon posting to the website or other notice to Customer. All other services, facilities, and components relating to Service, including without limitation any CPE, the Customer Environment, Routers, the Customer SIP signaling interface, Customer premise switches and routers, devices used with the Service, another carrier's IP network, and the PSTN are not included in the SLA measurement. The SLA credit will provide the Customer's sole remedy for any interruptions or deficiencies in the Service.

2.3.3.7 911 Emergency Service.

WARNING **POTENTIALLY HAZARDOUS SITUATION WHICH IF NOT AVOIDED COULD RESULT IN DEATH OR SERIOUS INJURY. PLEASE READ CAREFULLY.**

2.3.3.8 Required Federal Communications Commission ("FCC") Warning

The FCC requires that Lumen inform Customer of potential limitations to 911 services using Service. The Service provides access to 911 emergency service only on stationary devices (and not mobile devices). The Service does not support any outgoing calls, including calls to 911 emergency service from Hosted VoIP or SIP Trunk seats that are not associated to a stationary IP enabled device (e.g., from Voice Mail Only Seats), unless another telephony device from which the call can be originated via the End User Portal is used. 911 emergency services will not be available or may not function properly (e.g., they may not route to the correct public safety answering point or "PSAP") under the following circumstances: (a) if the Service is used at a location other than a Lumen-Approved 911 Location in the United States (not including U.S. territories), or if an IP-enabled stationary device is moved within the Lumen-Approved 911 Location and not reconfigured; (b) if Customer selects a telephone number that is not associated with the geographic area of the installed service and Customer neglects to ensure that the telephone number is registered for the installed Lumen-Approved 911 Location (e.g., if Customer chooses a California number for use in a Colorado location); (c) for initial installation of Service – on average 5 days, but for as long as 30 days after installation of Service due to time required to update 911 databases with customer information; (d) for use of Service at a temporary location – until Lumen has completed the 911 Update Interval and sent the 911 Update Confirmation to Customer's e-mail address of record. "911 Update Interval" is approximately 15 minutes, unless further address verification is required, in which case the 911 Update Interval could be up to 72 hours (**Important:** Customer and End Users should always check for the 911 Update Confirmation before using 911 service after a temporary move); (e) if the Service fails or degrades for any reason, such as failures resulting from power outages, CPE failure (e.g., Internet connectivity routers, Customer's data network and equipment, Customer premises switches and routers, phones, handsets, Soft Phones, and other IP-enabled devices), cable cuts, or any Service or broadband outage or degradation (including without limitation, failures caused by suspension or termination of the Service); or (f) while maintenance work is being performed. Additionally, Lumen does not support Remote BLAs or Remote SCAs on IP Devices used with the Service. If a Remote BLA or Remote SCA is enabled, and Customer or an End User make a 911 call from the Remote BLA or Remote SCA line, the 911 call will incorrectly route to the PSAP associated with the 911 location of the telephone number assigned to the Remote BLA or Remote SCA, and not to the 911 location of the calling party. For example, if an End User has a Remote BLA or Remote SCA for a colleague in Chicago on a phone located in San

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Francisco, and End User in San Francisco places a 911 call on the Remote BLA or Remote SCA line, emergency services will be routed to the 911 location in Chicago associated with the phone number of the Remote BLA or Remote SCA, not to the 911 location in San Francisco.

2.3.3.9 Additional Information Regarding the Limitations of 911 Services

When dialing 911 with the Service, End Users should always state the nature of the emergency and include End User location and number. The default PSAP may not be able to call the End User back if the call is not completed, is dropped or is disconnected, or if End User is unable to tell the PSAP their number and physical location. **For Hosted VoIP**: The PSAP to which the call is directed will be based on the street address and Calling Party Number for the Lumen-Approved 911 Location. The Calling Party Number will be delivered to the PSAP with the 911 call and the PSAP will have the Lumen-Approved 911 Location associated with that Calling Party Number. End User's Lumen-Approved 911 Location may not sufficiently pinpoint the specific location of the emergency; therefore, End Users must immediately tell the dispatcher the specific location of the emergency so the PSAP can locate the End User and assist with the emergency. **For SIP Trunk:** Unless the Customer has purchased the 911 Emergency Service optional feature with SIP Trunk, the PSAP to which the call is directed will be based on the street address for the PPU where SIP Trunk is installed. The number delivered to the PSAP with the 911 call will have the TN for the PPU where SIP Trunk is installed, and the address associated with that number. The number delivered to the PSAP may be different from the number from which an End User is calling 911 based on the options Customer has selected for its PBX and/or IAD, and the PPU address may not sufficiently pinpoint the specific location of the emergency; therefore, End Users must immediately tell the dispatcher their phone number and the specific location of the emergency so the PSAP can call the End User back if the call is not completed or is disconnected, and locate the End User and assist with the emergency. If Customer orders the 911 Emergency Service optional feature with SIP Trunk, the "For Hosted VoIP" provisions of this section will apply in lieu of the "For SIP Trunk" provisions of this section.

LUMEN RECOMMENDS THAT CUSTOMER AND END USERS ALWAYS HAVE AN ALTERNATIVE MEANS OF ACCESSING TRADITIONAL 911 SERVICES.

2.3.3.10 No Privacy Rights

Customer acknowledges that there is no right of privacy with respect to the transmission of number, name, or address when the Service is used to access 911 or other numbers used in conjunction with 911 or similar emergency services, either by Customer or End Users.

2.3.3.11 Customer Must Notify End Users of 911 Limits

Customer will notify all End Users (a) of the limitations on access to 911 emergency service described in the Agreement and this Service Exhibit; and (b) that access to 911 emergency service and an appropriate PSAP is only available at the Lumen-Approved 911 Location and is not available using an IP enabled mobile device. Lumen will provide labels that will indicate that 911 service has limited availability and functionality when used with Service, and Lumen recommends that the labels be placed on or near the equipment associated with the Services. Additionally, when Customer End Users use a Soft Phone with Lumen-provided VoIP services, a 911 warning will appear on the Soft Phone device. The End User will need to click on the display to acknowledge the warning. Customer should direct its End Users to the following URL to review these 911 Emergency Service limitations: http://www.Lumen.com/legal/HVIQSIP/911advisory.pdf.

2.3.3.12 Limitation of Liability

LUMEN, ITS AFFILIATES, AGENTS AND CONTRACTORS (INCLUDING WITHOUT LIMITATION, ANY SERVICE PROVIDER PROVIDING SERVICES ASSOCIATED WITH ACCESS TO 911 EMERGENCY SERVICE) WILL NOT HAVE ANY LIABILITY WHATSOEVER FOR ANY PERSONAL INJURY TO OR DEATH OF ANY PERSON, FOR ANY LOSS, DAMAGE OR DESTRUCTION OF ANY PROPERTY RELATING TO THE USE, LACK OF ACCESS TO OR PROVISION OF 911 EMERGENCY SERVICE. CUSTOMER AGREES TO DEFEND AND INDEMNIFY LUMEN, ITS AFFILIATES, AGENTS AND CONTRACTORS FROM ALL THIRD PARTY CLAIMS, LIABILITIES, FINES, PENALTIES, COSTS AND EXPENSES, INCLUDING REASONABLE ATTORNEYS' FEES, ARISING FROM OR RELATED TO 911 DIALING (INCLUDING WITHOUT LIMITATION, LACK OF ACCESS TO 911 EMERGENCY SERVICES, CUSTOMER'S FAILURE TO ADVISE LUMEN OF CORRECT ADDRESSES WHERE IP ENABLED DEVICES USED WITH THE SERVICE ARE LOCATED, CUSTOMER'S FAILURE TO NOTIFY ALL END USERS OF THE LIMITATIONS ON ACCESS TO 911

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EMERGENCY SERVICE, OR CUSTOMER'S MOVEMENT OF AN IP ENABLED DEVICE TO A LOCATION THAT HAS NOT BEEN INPUT INTO THE SERVICE SYSTEMS).

2.3.3.13 Use of SIP Trunk Diversion Headers on 911 Calls (for SIP Trunk only)

Customer may only use SIP Trunk Diversion Headers when using the Call Forwarding feature with Service. Customer shall not send SIP Trunk Diversion Headers on all calls, and in particular shall never send SIP Trunk Diversion Headers on 911 calls. Sending SIP Trunk Diversion Headers on a 911 call may cause the call to route to the incorrect PSAP, or to the correct PSAP but without the correct Customer phone number and location information.

2.3.3.14 911 Calls from Alien TNs (for SIP Trunk only)

When a 911 call is made from an Alien TN, Lumen cannot identify the location of the caller to forward to the appropriate PSAP. Lumen will therefore send any Customer 911 calls originating from an Alien TN to a live operator at a third-party contracted national 911 center. Lumen is charged a fee for each such call (currently $75.00 per call) and will pass the charges on to the Customer. To avoid incurring these charges, Customer and its End Users should not make 911 calls from Alien TNs.

2.3.3.15 Term; Cancellation

This Service Exhibit will commence upon the Effective Date of the Agreement (or the contract modification adding this service to the governing contract) and continue for the duration of the Term. Service at a Customer location will commence on the Start of Service Date for that location and continue for the Initial Term shown in the Pricing Attachment. The Start of Service Date and commencement of billing for Service will not depend on completion of telephone number porting. Upon the expiration of the Initial Term, Service will automatically renew for consecutive Renewal Terms, unless either party elects to cancel Service by providing written notice thereof at least 60 days prior to the conclusion of the Term. The Minimum Service Term for Hosted VoIP and SIP Trunk is six months from the Start of Service Date. Customer will remain liable for charges accrued but unpaid as of the cancellation date of Service, including charges for Service used by Customer or its End Users if cancellation has been delayed for any reason, such as delays for porting Customer telephone numbers to another carrier. If Service is canceled by Customer for reasons other than Cause (including upon the expiration of the Term), or by Lumen for Cause, such that the total MRC for Customer's Hosted VoIP and SIP Trunk installed at the end of a month is at least 25% less than the total MRC for Customer's Hosted VoIP and SIP Trunk installed the immediately preceding month, Customer will also pay to Lumen a Cancellation Charge equal to: (a) the amount of any NRC discount or waiver that Lumen granted to Customer for the canceled Service if the cancellation occurs before the end of the Term; (b) 100% of the balance of the MRCs of the canceled Service that otherwise would have become due for the unexpired portion of the Minimum Service Term; and (c) 35% of the balance of the MRCs of the canceled Service that otherwise would have become due for the unexpired portion of the Term other than during the Minimum Service Term.

Charges. Charges for the Service are as set forth in the Pricing Attachment and on the applicable Rate Sheet. If new Service elements are added to Service after the Agreement or Amendment Effective Date, the parties will either sign an amendment adding pricing for the new Service elements, or Customer will pay Lumen's list rates for the new Service elements. Lumen's list rates for new Service elements are available in either the Rate Sheet or in a separate document posted on-line and referenced in the Rate Sheet. The MRCs and usage charges will be used to calculate Contributory Charges. NRCs and waived MRCs are not contributory. Charges will commence within five days of the Start of Service Date. Customer will not be eligible for any offers, discounts, or promotions other than those specifically set forth in the Agreement. Service will remain taxed based on the PPU locations where Customer utilizes Service, and not on a temporary Lumen-Approved 911 Location. Domestic and international Off-Net Call charges and inbound toll-free charges can be modified immediately upon notice to Customer (including without limitation, upon Lumen's posting such modifications in the Web site(s) designated by Lumen for that pricing, or providing any other notice to Customer). Lumen may modify or discontinue Service pricing after the Initial Term for Service at a Customer location is completed. Upgrades and purchases of additional Service after the initial order(s) may be subject to then-current Service pricing.

2.3.3.16 AUP

All use of the Services will comply with the AUP, posted at http://www.Lumen.com/legal and incorporated by reference into this Service Exhibit. Lumen may reasonably modify the AUP to ensure compliance with applicable

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laws and regulations and to protect Lumen's network and customers, and such change will be effective upon posting to the website. Any changes to the AUP will be consistent with the purpose of the AUP to encourage responsible use of Lumen's networks, systems, services, web sites, and products.

E-Mail Information/Updates. Customer acknowledges and agrees that Lumen may contact Customer via e-mail at the e-mail address provided to Lumen when Customer orders the Service for any reason relating to the Service. Customer further agrees to provide Lumen with any and every change to its e-mail address by updating its e-mail address on the My Settings/My Profile tab of the MyAccount: VoIP portal.

2.3.3.17 Service Upgrades/MACDs

Lumen reserves the right to modify the Upgrade and MACD charges at any time without notice to the Customer.

2.3.3.18 Addition of Hosted VoIP or SIP Trunk Seats or SIP Trunk Sessions During Term

Customer may add additional Hosted VoIP seats or SIP Trunk seats or Sessions to existing Service at a Customer location at any time during the Term (an "Upgrade"). For Upgrades during the Initial Term, the Hosted VoIP seat and SIP Trunk Session/seat rates shown in the Pricing Attachment or Rate Sheet will apply. If Customer adds more seats and/or Sessions per site than can be accommodated by the CPE used Service, Customer will be responsible for renting or purchasing additional or replacement CPE to accommodate the additional seats and/or Sessions. The additional or replacement CPE must be on the Lumen Approved CPE list. Customer agrees that each Hosted VoIP seat and SIP Trunk Session and seat will have its own Minimum Service Term commencing on the Start of Service Date for the seat or Session. The Cancellation Charge provisions in the "Term; Cancellation" section will also apply to Hosted VoIP seats and SIP Trunk seats and Sessions added during the Term.

2.3.3.19 MACDs

"MACD" means move, add, change, disconnect. Customer may also at any time request changes to its Service requiring configuration management, such as adding TNs (a "MACD"). The charge for remote configuration support is shown in the Service Upgrades/MACD Pricing table on the Rate Sheets. Charges for on-site configuration management will be quoted prior to dispatch of the technician to Customer's location and will be at Lumen's then-current rates for on-site dispatch.

2.3.3.20 Routers

If necessary, Customer's existing Router(s) may be replaced to support an Upgrade. If there is a replacement, any Rental CPE Router(s) associated with Customer's Service must be returned to Lumen within 15 days of the new Router installation. If the Router(s) are not returned, Customer must pay to Lumen a charge for non-return of the Router(s) as indicated in the "Rental CPE" section below.

2.3.3.21 Rental CPE.

2.3.3.22 General

Lumen will provide Customer with rental customer premises equipment and software license offerings (collectively, "CPE") and CPE installation and maintenance ("Service") for use with Service under the terms set forth in this section and the Agreement. CPE, as defined herein, does not include CPE purchased by Customer.

2.3.3.23 Eligibility

In order to qualify for rental of CPE under this section, Customer must also purchase Lumen Hosted VoIP or Lumen IQ SIP Trunk ("Underlying Service"). This section will not apply to Rental CPE ordered for use with other services, including any routers or switches rented for use with Approved Connectivity.

2.3.3.24 Delivery; Return

Delivery will be made either by F.O.B. origin, freight paid by Customer, or personal delivery by Lumen to the Customer location as identified in writing by Customer. CPE will be installed as designated herein or as the parties otherwise agree. Except as otherwise provided in the Agreement, upon termination of Service, or when Customer replaces CPE with upgraded models, Customer must return terminated or replaced CPE at its own expense within 15 calendar days of termination or replacement. Lumen will provide Customer with return instructions. Customer will deliver CPE to Lumen in the same condition it was on the Effective Date, normal wear and tear excepted, and give Lumen written notice of such return. If CPE is not returned within 15 calendar days,

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Customer will become owner of and bear all responsibility for the terminated or replaced CPE and Lumen may invoice Customer the then-current value of the applicable CPE model ("Replacement Cost"), plus a $100 administrative charge per CPE device.

2.3.3.25 Ownership and Use

Except as provided in the "Delivery; Return" section, CPE is the personal property of Lumen, its designee or a third-party provider, even if attached to Customer's real property or any improvements and are held by Customer subordinate to the rights of Lumen. The customer will, at its own expense, keep the CPE free of any encumbrances; and not alter or affix anything to the CPE, except as approved by Lumen in writing. Lumen may inspect the CPE at any time. Following delivery, Customer bears the entire risk of loss or damage to the CPE from any cause (collectively, "Loss"), until returned to Lumen. Customer will advise Lumen in writing within five business days of any Loss. A Loss will not relieve Customer of its payments obligations.

2.3.3.26 Software License

Software licensor retains title to the software. To the extent possible, Lumen grants Customer a software license or sublicense in the software according to the licensing agreement accompanying such software, which extends only to Customer's own internal business use of such software and only on or with the designated CPE. Software must be held in confidence and may not be reproduced unless specifically authorized by the software licensor. Customer may not reverse engineer, decompile, disassemble the CPE, or otherwise attempt to derive the source code of the software. All CPE is subject to the terms and conditions set forth in the manufacturer's or publisher's warranty or end-user license.

2.3.3.27 Insurance

At its own expense, after delivery of the CPE, Customer will maintain the following insurance: (i) "All-Risk" property insurance covering the CPE for full replacement value, naming Lumen or a Lumen-designated third-party provider as a loss payee; and (ii) commercial general liability insurance with limits of not less than $1,000,000 per occurrence and aggregate, naming Lumen by endorsement as an additional insured, unless such insurance is required elsewhere in this Agreement at higher limits. Such insurance will be placed with insurers who have a minimum "Best's" rating of A-VII (A-7). Upon request, Customer will provide insurance certificates evidencing such insurance.

2.3.3.28 Charges

The MRC for rental of an IP handset is included in the applicable Hosted VoIP seat MRC. IP handsets are not included with SIP Trunk seats. Charges will commence within five days of the Start of Service Date. Lumen may cease providing Service and demand return of CPE if payment is past due.

2.3.3.29 CPE Replacement Recovery Charge

Where CPE rented from Lumen is replaced due to loss or damage not covered by maintenance under the applicable Detailed Description (for example, damage from accident, misuse, or abuse), Customer will pay: (A) the Replacement Cost for the damaged CPE, and (B) a one-time charge to cover Lumen's cost to ship the new CPE. If Customer requires on-site assistance from Lumen to install the replacement CPE, an additional dispatch charge will apply. Lumen will quote the charges in advance, obtain Customer's approval, and invoice the charges within 60 days. The customer is responsible for any claim for reimbursement from its insurance carrier. The terms and conditions in this Rental CPE section will continue to apply. Replacement CPE may or may not be the same model.

2.3.3.30 Term

CPE and Service ordered during a Term will commence on the Start of Service Date and continue for the duration of the Initial Term ("CPE Term"). CPE and Service automatically renew on a month-to-month basis at then-current rates when the CPE Term expires. If Customer terminates the Agreement or any CPE and Service prior to CPE-Term expiration for reasons other than Cause, Customer will pay to Lumen: (i) all charges for CPE and Service provided through the termination date; and (ii) a Cancellation Charge of 100% of the MRC times the number of months remaining in the CPE Term.

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2.3.3.31 Safety Compliance

Customer will indemnify and hold Lumen harmless from any liability arising from Customer's failure to inform Lumen of Hazardous Substances.

2.3.3.32 Routers

Router rental and maintenance provisions under this Service Exhibit apply only if Customer is purchasing a la carte Lumen Approved Connectivity with Service and renting Routers from Lumen for use with Service. If Customer is purchasing Lumen Data Bundle Approved Connectivity for use with Service, rental and maintenance of Routers will be governed by the Data Bundle and Rental CPE terms and conditions. If Customer elects to rent Routers for use with Service, the MRC for Router rental and maintenance is not included in the seat MRC and will be shown in a separate Rental CPE Rate Attachment. The Routers provided with Service vary depending on the port speed and number of seats Customer orders for a location.

2.3.3.33 Maintenance and Configuration Changes

Lumen will perform all maintenance and configuration of any Rental CPE Routers, which will be password protected upon installation. In some cases, Lumen may use repackaged Rental CPE, or substitute Rental CPE with another CPE device at Lumen's sole discretion. Rental CPE maintenance is provided under the terms and conditions of the applicable Detailed Description available at http://www.Lumen.com/legal/ and incorporated by reference. The Detailed Description for Pro-MET® Remote Standard maintenance covers Lumen-provided 8x5 next business day ("NBD") remote maintenance and applies to IP Devices. The Detailed Description for Pro-MET® On-Site Standard maintenance covers 8x5 NBD on-site maintenance and applies to Routers maintained by Lumen. The Detailed Description for Manufacturer Maintenance applies to Routers maintained by the Rental CPE manufacturer. Maintenance included with Service does not apply to routers or other devices provided with Approved Connectivity. Lumen may change the Detailed Descriptions at any time with the change effective upon posting.

2.3.3.34 Spare IP Devices

If Customer wishes to rent spare IP handsets or other IP Devices, additional MRCs and NRCs for those items are not included in the MRCs or NRCs shown in the Pricing Attachment but are shown in a separate Rental CPE Rate Attachment.

2.3.3.35 Additional Limitation of Liabilities

If CPE contains a firewall or other security features, Lumen makes no warranty, guarantee, or representation, express or implied, that all security threats and vulnerabilities will be detected or that the performance of Service will render Customer's systems invulnerable to security breaches. Customer is responsible for Customer's own network security policy and security response procedures. If any equipment or software not provided by Lumen impairs Customer's use of CPE, Service or an Underlying Service Customer will nonetheless be liable for payment for all CPE, Service and Underlying Service provided by Lumen.

Pricing: Click here to view the Lumen Hosted VoIP Price List

Pricing: Click here to view the Lumen IQ SIP Trunk Price List

2.3.4 Lumen Hosted IVR

Hosted IVR is a robust, network-based Interactive Voice Response (IVR) service, based on the award-winning Genesys Voice Platform. Hosted IVR's full suite of touch-tone and speech-enabled features lets you provide cost-effective customer interactions 24x7 using any of the leading carriers' 8XX services or local lines. Our extensive custom IVR application development experience allows us to work with you to design an IVR that meets your unique needs. We also have ready-to-use applications for self-help applications such as store locators, financial status, account updates and PIN resets. In-depth transaction detail is available via web-accessible reports for ongoing management, and the service includes access to the Contact Center Portal, which provides a user interface for customers to update specific parameters of their Hosted IVR application using embedded applications such as the File Management Tool and the Call Routing Tool.

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1. General; Definitions. Lumen QCC will provide Hosted IVR Service ("IVR" or "Service") under the terms of the Agreement and this Service Exhibit. Capitalized terms not defined herein are defined in the Agreement and any technical terms used herein will be defined as commonly understood in the industry.

"Acceptance" means Customer agrees that Lumen has provided the Final Deliverable and may begin billing for the Service, and Customer will pay for the Service.

"ACD" means Automatic Call Distribution.

"Application Incident" means a single support issue directly related to the programming or maintenance of an IVR application developed by Lumen or its agents, and the reasonable effort needed to resolve it.

"Approved WAS" means Lumen's standard IVR WAS configuration requirements.

"Lumen Content" means Newly Developed Materials and Pre-Existing Lumen Materials.

"Lumen Content License" means a worldwide, non-exclusive, non-transferable license to use the object code form of the Lumen Content only as it is embedded, linked, bundled, or otherwise made an essential and necessary part of the Work Product by Lumen, or is otherwise required to be used in connection with, the Work Product.

"Lumen Managed Application" means Multi-Tenant Managed Application and Single-Tenant Managed Application.

"CTI" means Computer Telephone Integration.

"Customer Content" means any materials, creative content, tools, inventions, specifications, methodologies, discoveries, works of authorship, methods of operation, systems, processes, or designs, whether or not reduced to practice and whether or not patentable supplied by Customer to Lumen.

"Customer Content License" means a worldwide, non-exclusive, fully paid-up license to use, copy, and host the Customer Content only as reasonably necessary to perform the Services for Customer.

"Designated Charges" means MRCs, NRCs and per minute usage charges for (a) IVR Basic Components, Multi-Tenant Managed Application, and Application Services listed in the Pricing Attachment; (b) Basic Components in the IVR Carrier Neutral Option Service Exhibit, if applicable; and (c) Lumen professional services purchased under a SOW.

"DTMF" means dual tone multi-frequency.

"Eligible MRCs" means MRCs for IVR Virtual Ports for DTMF and Speech Recognition, IVR Text to Speech Module, IVR Speech Module, IVR PG Link for ICP, IVR Monthly Subscription, and Lumen Managed Applications.

"Export Laws" means all relevant export laws and regulations of the United States.

"Final Deliverable" means Lumen has provided the final Work Product and Customer has completed UAT.

"ICP" means intelligent call processing which enables calls to be routed to an agent via computer telephony integration.

"International Location" means any non-US location, including but not limited to non-US locations in the North American Dialing Plan.

"IVR Monthly Subscription" consists of either five production IVR DTMF Virtual Ports or two production IVR Speech Recognition Virtual Ports to be used only with Lumen 8XX services.

"IVR Platform" means Lumen's IVR servers and network control servers that receive calls from Customer's callers, process those calls and direct any outbound calls from the servers.

"Multi-Tenant Managed Application" means a Lumen owned, monitored and managed: (a) WAS; (b) database servers; (c) load balancers; and (d) supporting network equipment that are shared with other Lumen IVR customer applications.

"Newly-Developed Materials" means any materials, creative content, tools, inventions, specifications, methodologies, discoveries, works of authorship, methods of operation, systems, processes or designs, whether or not reduced to practice and whether or not patentable, developed by Lumen in the performance of the Services (including, without limitation, the Voice XML or other formatting code, source code and object code of any

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software and the documentation related thereto, if any) and all modifications, enhancements or derivative works thereof.

"PG" means peripheral gateway.

"Pre-Existing Lumen Materials" means all pre-existing materials, creative content, tools, inventions, specifications, methodologies, processes or designs, whether or not reduced to practice and whether or not patentable, provided or used by Lumen in the performance of the Services (including, without limitation, all such Voice XML or other formatting code, source code and object code of any software owned or developed by Lumen prior to the effective date of this Service Exhibit) and all modifications, enhancements or derivative works thereof.

"Pricing Attachment" means a document containing rates specific to the Service and is incorporated by reference and made a part of this Service Exhibit.

"Renewal Term" means consecutive one-year terms.

"Single-Tenant Managed Application" means Lumen owned, managed, and monitored: (a) database servers; (b) load balancers; and (c) supporting network equipment that are shared with other Lumen IVR Customers; and (d) a WAS which houses only Customer's applications.

"SLA" means the IVR Platform Service Level Agreement posted at qwest.Lumen.com/legal/.

"SOW" means the Statement of Work attached hereto or referenced in this Service Exhibit.

"Term" means the Initial Term and each Renewal Term.

"Third Party Materials" means third-party hardware or software components.

"UAT" means User Acceptance Testing.

"Virtual Port(s)" means the IVR ports available to support the transaction requests for customer specific applications. The virtual ports are allocated from the shared physical ports available within the IVR services platform.

"WAS" means web application server.

"Work Product" means each product or item produced by Lumen by (a) linking or bundling any one or more of the following; (b) embedding any one or more of the following within any one or more of the following; or (c) otherwise making any one or more of the following a necessary and essential part of any one or more of the following: (i) the Newly-Developed Materials; (ii) the Pre-Existing Lumen Materials; (iii) the Customer Content; or (iv) any Third Party Materials.

2. Service.

2.1 Description. IVR is an interactive voice response and speech recognition platform that integrates with customer applications, developed using the industry standard Voice XML programming language.

2.1.1 IVR Basic Components.

(a) IVR Platform. The Service includes a network-based platform service that allows businesses to create and operate advanced voice applications. The Service includes the following service components and will vary depending upon what Customer orders: IVR Virtual Ports with DTMF or speech recognition input collection capabilities, integration with ICP systems, Overflow Protection Premium, capture of available ANI and DNIS information, audio playback of pre-recorded prompt messages to callers for scripting, transfer and bridge call functionality, support of enhanced XML instructions by the IVR Platform to drive the logic of Customer's applications, text-to-speech for audio output, speech recognition dialog modules, call recording and storage, standalone CTI add-on, ACD Connect, and IVR Platform reporting. Customer may order IVR PG links to integrate the Customer provided ICP systems with the Services. Customer must obtain or provide, at Customer's expense, all communications services, Internet connectivity, WAS, hosting equipment, ICP systems, and third-party software necessary to access the Services.

(b) IVR Monthly Subscription. The Service also includes the IVR Monthly Subscription, which Customer must purchase during the Term of this Service Exhibit.

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2.2 Service Component Descriptions.

(a) Call Recording. Call Recording allows inbound calls to Hosted IVR to be passed through a recording system to capture the IVR interaction with the customer. Recordings are stored for up to six months for retrieval.

(b) Call Recording Storage. Call Recording Storage provides storage of recorded calls beyond six months. Additional storage is provided in annual increments for up to seven years.

(c) ACD Connect. ACD Connect provides IVR customers with the ability to route calls, perform screen pops and pass ANI, DNIS, and customer-entered digits (CED) utilizing a customer's premise ACD for call routing. The ACD Connect product is based on the Genesys Enterprise Routing Solution (ERS) that is hosted within the Lumen network. If requested by the Customer, Lumen will provide the ACD Connect platform to communicate with the Customer premises ACD. Lumen will provide the appropriate Genesys T-Server software which will be installed on a Customer Provided WAS that is located at the same physical location as the Customer premises ACD. The customer must provide a primary and secondary WAS. ACD Connect may only be used with Approved WAS.

2.3 IVR Multi-Tenant Managed Application. If requested by Customer and accepted by Lumen, Lumen will host Customer's IVR application in a Multi-Tenant Managed Application environment. All rights in the Multi-Tenant Managed Application are reserved by Lumen and Lumen does not convey any rights to Customer in such Multi-Tenant Managed Application. Customer will not have any right to access any Multi-Tenant Managed Application facilities or environment. Customer must purchase Lumen professional services under the SOW to develop and modify all applications to be installed in the Multi-Tenant Managed Application environment. The charges for such services are provided in the Pricing Attachment. Customer will have the ability to securely upload specified data to the Multi-Tenant Managed Application environment in a method defined in the SOW.

2.4 IVR Single-Tenant Managed Application. If requested by Customer and accepted by Lumen, Lumen will host Customer's IVR application in the Single-Tenant Managed Application environment. All rights in the Single-Tenant Managed Application environment are reserved by Lumen and Lumen does not convey any rights to Customer in such Single-Tenant Managed Application environment. Customers must purchase Lumen professional services under the SOW to develop all applications to be installed within the Single-Tenant Managed Application environment. The charges for such services are provided in the Pricing Attachment. Customer will have the ability to securely upload and download specified data to the Single-Tenant Managed Application environment in a method defined in the SOW. Customer has the option to utilize an external data source. A secure connection will be required between the Lumen Single-Tenant Managed Application and Customer's external data source as described in the Lumen Internet Port for IVR section below.

2.5 IVR Application Services. Customer may purchase the following IVR Application Services to assist Customer in the development and support of IVR applications:

2.5.1 Pre-packaged Software Application. Pre-packaged software applications developed by Lumen for IVR (e.g., IVR Call Administration Tool Suite or individual tools – IVR Call Routing Tool and IVR Survey Tool). The functionality description of that software is in the separate documentation accompanying such software.

2.5.2 Custom Application. At Customer's request, Lumen will develop a custom IVR application to Customer's specifications. The details and charges for the custom IVR application development are provided in the SOW. Lumen will: (a) perform the consulting, professional, technical, development and design services, or any combination thereof, described herein or in the SOWs; and (b) develop certain Work Product, if applicable and as specifically described in the applicable SOW, which will perform the functions or contain the attributes described herein or in the applicable SOW. Customer acknowledges that the successful and timely provision of Services and any applicable Work Product will require the good faith cooperation of Customer. Accordingly, Customer will fully cooperate with Lumen by, among other things: (c) providing Lumen with all information reasonably required in order to provision the proposed Services and Work Product, if applicable; and (d) making Customer personnel and appropriate development time on Customer's systems available to Lumen, so as to permit Lumen to provide the Services and Work Product, as applicable, provided that the foregoing will be at such times so as not to unreasonably disrupt the conduct of Customer's business. The Agreement and this Service Exhibit will also apply to and govern the rendering of all Services or Work Product produced in anticipation of and prior to the Agreement. If a conflict arises among the terms of any SOW and the terms of this Service Exhibit, the terms of this Service Exhibit will control.

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2.5.3 Custom Application Warranty. Lumen represents and warrants that the IVR application developed by Lumen, or its agents will conform to the specifications in the SOW, and will be free from deficiencies and defects in materials, workmanship, design and performance for 30 days after Customer's acceptance of the custom IVR application ("30-Day Warranty Period"). Within the 30-Day Warranty Period, Lumen will provide application support as defined in the SOW.

2.5.4 Application Support. Postproduction application support can be purchased for IVR applications developed by Lumen or its agents, as agreed to by the parties in the SOW. Lumen or its agents will provide technical assistance and professional services for Application Incidents on IVR applications outside of the 30-Day Warranty Period. Customer must provide Lumen access to any Customer provided WAS where the Lumen IVR application resides. If Lumen spends time isolating problems to an IVR application that has been modified by Customer, its agents, representatives, or any third party; (a) application support may not apply; and (b) Customer may be charged for such effort at the IVR Application Support Services Hourly Rate. Post-production support is defined as any IVR application support request that does not involve functional or code enhancements and includes: (i) problem and defect resolution at the IVR code or interface level; (ii) content corrections or replacements at the code or database level (Customer is responsible for providing content); (iii) VOX/WAV file changes (VOX/WAV file replacement must be requested at least three business days in advance and Customer is responsible for providing VOX/WAV files); (iv) resolution of application outage or response time latency analysis; and (v) technical support consultation, e.g. IVR/platform capabilities, features. Application support is provided in rolling 12-month increments commencing upon Customer's acceptance of the Service (each an "Application Support Term") unless either party elects to cancel the application support by providing written notice thereof at least 45 days prior to the conclusion of the current Application Support Term. The IVR application support charge will be billed monthly at a rate of 1/12 of the annual charge ("Application Support MRC"). The Application Support MRC will be waived during the 30-Day Warranty Period. If, prior to the expiration of the Application Support Term, application support is canceled by Customer for reasons other than Cause, or by Lumen for Cause, Customer will pay to Lumen an application support cancellation charges equal to 100% of the Application Support MRC multiplied by the number of months remaining in the current Application Support Term ("Application Support Cancellation Charge"). Application support may also be purchased as needed at the Application Support Services Hourly Rate set forth in the Pricing Attachment. Lumen provides standard and premium application support.

"Standard Application Support" provides support during business hours as defined in the SOW, excluding Lumen observed holidays.

"Premium Application Support" provides support during Standard Application Support hours with extended 24x7x365 pager support.

2.6 Service Conditions. The following conditions apply to the Service:

2.6.1 Ownership; Grant of License.

(a) Customer Content. Customer Content will remain the sole and exclusive property of the Customer. No copyrights, patents, trademarks, or other intellectual property rights will be transferred from Customer to Lumen with respect to any of the Customer Content except that Customer will grant, and hereby does grant, to Lumen a Customer Content License. As a part of Customer's other indemnification obligations under the Agreement, Customer hereby indemnifies and will defend and hold harmless Lumen and its affiliates; and the officers, directors, employees and agents of Lumen and its affiliates from and against all liabilities, damages, losses, costs or expenses (including without limitation reasonable attorneys' fees and expenses) arising out of or in connection with any actual or threatened claim, suit, action or proceeding arising out of or relating to the ownership in or the use or exploitation of the Customer Content by Lumen, including, without limitation, any claim relating to the violation of any third party's trademark, copyright, patent, trade secret or other proprietary or personal right(s).

(b) Lumen Content. Any: (i) Newly Developed Materials; and (ii) Pre-Existing Lumen Materials will be the sole and exclusive property of Lumen. All rights in and related to the Lumen Content, including, without limitation, copyrights, trademarks, trade secrets, patents (including, without limitation, the right to obtain and to own all worldwide intellectual property rights in and to the subject matter embodied by or contained in the Work Product), and all other intellectual property rights or proprietary rights in and related to such Lumen Content, are hereby exclusively reserved by Lumen. It is expressly understood that other than expressly provided in this Service Exhibit, no right or title to or ownership of the Lumen Content is transferred or granted to the Customer under this Agreement.

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(c) Content Licenses. Subject to the terms and conditions of the Agreement and this Service Exhibit, including, without limitation, upon payment in full by Customer of all Service charges, Lumen hereby grants to Customer during the term of this Service Exhibit a Lumen Content License. Customer will not have the right to license, sublicense or otherwise transfer to others the right to use the Work Product or the Lumen Content. Any right not expressly granted by the Lumen Content License hereunder is hereby expressly reserved by Lumen.

(d) Third Party Materials. The Services may be in support of, or the Work Product may contain, certain Third-Party Materials including, without limitation, speech recognition functionality. All right, title and interest in the Third-Party Materials, including, without limitation, copyrights, trademarks, trade secrets, patents, and other intellectual property or proprietary rights, are exclusively reserved by Lumen, Lumen's licensors and the licensor's suppliers. No right, title, or ownership of or related to the Third-Party Materials is or will be transferred to Customer under this Service Exhibit except to the extent a manufacturer or licensor permits the pass-through and assignment of license rights. In such cases, Lumen will pass through and assign to Customer all applicable license rights permitted by the manufacturer or licensor of the applicable Third-Party Materials. Any costs of such an assignment will be borne by the Customer. Lumen makes no warranties and will have no responsibility whatsoever, including any obligation to indemnify, as to Third Party Materials. A breach of such license by Customer will be a breach of the Agreement.

(e) ACD Connect. Customer will maintain the operability of the Genesys T-Server software licensed to Customer pursuant to the Third-Party Materials Subsection above, and the Customer Provided WAS residing at the Customer premises. Genesys T-server software will not be customized for Customer and no code changes are permitted. Lumen has no liability for Service deficiencies or interruptions caused by Customer, its employees, contractors or agents, or End Users reconfiguring or improperly installing, modifying, or administering the Approved WAS. Lumen has no liability for Service where Customer does not utilize Approved WAS or makes code changes to the T-server software.

(f) Restrictions on Use. Customer is expressly prohibited from, and will use all reasonable security precautions to prevent, by its own employees, agents and representatives or any third party from: (i) modifying, porting, translating, localizing, or creating derivative works of the Lumen Content or Third Party Materials; (ii) decompiling, disassembling, reverse engineering or attempting to reconstruct, identify or discover any source code, underlying ideas, underlying user interface techniques or algorithms of the Lumen Content or Third Party Materials by any means whatever, or disclose any of the foregoing; (iii) selling, leasing, licensing, sublicensing, copying, marketing or distributing the Lumen Content or Third Party Materials; (iv) knowingly taking any action that would cause any Lumen Content or Third Party Materials to be placed in the public domain; (v) distributing any batch or off-line processing of content using the Lumen Content or Third Party Materials; or (vi) use any speech data files delivered by Lumen except in connection with the Lumen Content or Third Party Materials. The Lumen Content and Third-Party Materials are protected by the intellectual property laws of the United States and other countries and embody valuable confidential and trade secret information of Lumen, Lumen's licensor, and its suppliers. Customer will hold the lumen Content and Third-Party Materials in confidence and agrees not to use, copy, or disclose, nor permit any of its personnel to use, copy or disclose the same for any purpose that is not specifically authorized under this Service Exhibit. The customer agrees that the licensor of Third-Party Materials and its suppliers are intended third party beneficiaries of the provisions in this Restrictions on Use section. This provision will survive termination of this Service Exhibit or the Agreement.

(g) Residual Rights in Lumen Know-How. Subject to Lumen's confidentiality obligations set forth in the Agreement, nothing herein will be deemed to limit Lumen's right to use the ideas, concepts, processes, techniques, expertise and know-how retained in the unaided memory of Lumen as a result of its performance of the Services hereunder.

2.6.2 Voice Services. Customer must purchase, under separate terms and conditions, the voice service used in connection with the Services. IVR supports Lumen toll free services to carry voice traffic into the IVR Platform. These numbers can either be existing numbers that Lumen re-routes to the IVR Platform or are new numbers that Lumen provisions on Customer's behalf. A customer's application can direct calls to be transferred to another telephone number or toll-free number.

2.6.3 Ports. Customer may order a specific number of Virtual Ports to be allocated to its inbound or outbound call traffic. Those ports represent the total number of simultaneous network ports of the IVR Platform that can be allocated for a particular Customer's call traffic at a given time.

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2.6.4 Bridging. Bridging provides the ability to transfer the caller to another destination. Calls are considered bridged when the call is answered. A second Virtual Port will be used to bridge the call and both Virtual Ports will remain in the call flow for the duration of the bridged portion of the call. Bridging may be purchased on a flat rate basis with bridging Virtual Ports or on a usage basis with standard Virtual Ports.

2.6.5 Overflow Protection Premium. "Overflow Protection Premium" allows Customer's call traffic to exceed the total number of Virtual Ports of each type purchased (speech recognition or DTMF) by at least 25% additional port capacity at any given time. Lumen will make commercially reasonable efforts to process such calls at the rate set forth in the Pricing Attachment. The SLA will not apply to Overflow Protection Premium. Customers wanting to limit the number of simultaneous calls to a specific number can indicate so on the IVR Order Form.

2.6.6 Reporting. IVR Platform reporting is available in summary and detailed formats on a secure Web site that Customer accesses through a standard web browser with separately purchased Internet access. Data can be retrieved in various time increments up to the latest three months.

2.6.7 Platform Upgrades. Lumen is responsible for maintaining the IVR network. Upgrades to the IVR network may require changes or updates to the Customer's application code. Customer is solely responsible for all charges associated with such updates to Customer's application code.

2.6.8 Lumen Internet Port for IVR. If Customer chooses to host the database, WAS or associated equipment outside of the Lumen Managed Application environment and uses Lumen IQ™ Networking Internet Ports to connect their database, WAS or associated equipment with the IVR Platform, then notwithstanding any different Lumen IQ Networking terms and conditions, Customer agrees that (a) the Lumen IQ Networking Internet Ports used in connection with the IVR Services will be augmented with virtual private network software that limits the use of the Lumen IQ Networking Internet Port's two way transfer of data solely between the Customer premises and the IVR Platform; (b) Lumen IQ Networking Internet Port for IVR will consist of: (i) a dedicated, high-speed network connection between Customer's premises and the IVR Platform over Lumen's domestic (continental United States) IP network; and (ii) TCP/IP routing services, which will afford Customer IP connectivity solely between the Customer's premises and the IVR Platform; and (c) the Lumen IQ Networking Internet Port provided in connection with the IVR Services will not provide general access to the Internet.

2.6.9 Customer Hosted Equipment. If Customer is not using a Lumen Managed Application, Customer must provide all equipment necessary to maintain and operate the application services including but not limited to the WAS, database and all applicable software, including, without limitation, virtual private network software for the two-way transfer of data between the Customer WAS environment and the Lumen IVR Platform. Upon request, Lumen will provide Customer recommended WAS and database configurations. Customer will be solely responsible for the installation, operation, maintenance, use and compatibility with the Service of any equipment or software not provided by Lumen. If any equipment or software not provided by Lumen impairs Customer's use of any Service: (a) Customer will nonetheless be liable for payment for all Service provided by Lumen and (b) any service level agreement generally applicable to the IVR Platform or Lumen IQ Networking Internet Port will not apply.

2.6.10 Export Administration. Customer agrees to comply fully with all Export Laws to assure that no information, design, specification, instruction, software, data, or other material furnished by Lumen nor any direct product thereof, is: (a) exported, directly or indirectly, in violation of Export Laws; or (b) intended to be used for any purposes prohibited by the Export Laws, including, without limitation, nuclear, chemical, or biological weapons proliferation.

2.6.11 Compliance with Laws.

(a) General. The customer must comply with all applicable requirements of federal, state and local laws, ordinances, administrative rules and orders, as well as all industry standards applicable to its use of the Service.

(b) Recording of Conversations. Lumen's IVR offering is certified as a PCI compliant application. As such, Lumen requires that the Customer not retain financial Personal Identification Numbers (PIN) or security code information beyond the completion of the active call in which it is communicated. Additionally, Customer agrees that it will comply with all federal and state laws regarding the recording of conversations, including Minnesota Revised Statute, § 325E.64. As a part of Customer's other indemnification obligations under the Agreement, Customer must defend and indemnify Lumen and its affiliates; and the officers, directors, employees and agents of Lumen and its affiliates; from and against all liabilities, damages, losses, costs or expenses (including without

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limitation reasonable attorneys' fees and expenses) arising out of or in connection with any actual or threatened claim, suit, action or proceeding stemming from or relating to Customer's recording of any aspect of a conversation that includes social security numbers or credit, debit or stored-value card numbers, or bank account information or its wrongful recording of associated PINs or security codes.

2.7 SLA. The IVR Platform and Lumen Managed Applications are subject to the SLA. The SLA does not apply to any other Service component. The SLA provides the Customer's sole and exclusive remedy for service interruptions or service deficiencies of any kind whatsoever for the Service. Lumen reserves the right to amend the SLA effective upon posting to the Web site or other notice to Customer. Only Eligible MRCs will be used in determining any SLA credits for such affected production IVR Virtual Ports in accordance with the SLA.

3. Term. This Service Exhibit will commence upon the Effective Date of the Agreement and will remain in effect until canceled by either party with 60 days' prior written notice to the other party. The initial term for Service will conclude the number of months stated in the Pricing Attachment after the Service is first made available for use by Customer ("Initial Term"). Upon expiration of the Initial Term, Service will automatically renew for consecutive Renewal Terms, unless either party elects to cancel the Service by providing written notice thereof at least 60 days prior to the conclusion of the Term. Customer will remain liable for charges accrued but unpaid as of the cancellation date of Service. If, prior to the expiration of the Term, Service is canceled by Customer for reasons other than Cause, or by Lumen for Cause, Customer will also pay to Lumen a Cancellation Charge equal to (a) 50% of the then current IVR Revenue Commitment multiplied by the number of months, or portion thereof, remaining in the Term; (b) in addition, if applicable, 100% of the Single-Tenant Managed Application MRC specified in the SOW multiplied by the number of months remaining in the Term; and (c) if applicable, any Application Support Cancellation Charge. Upon cancellation or expiration of this Service Exhibit the licenses granted hereunder will be canceled and the other party will have no right to use or exploit in any manner the licensed materials, and each party will promptly deliver to the other party all copies and embodiments of the licensed materials of the other party that are in its possession or under its control.

4. Charges. Charges for the Service are as set forth in the Pricing Attachment. Lumen will begin billing upon Acceptance of Service.

5. AUP. All use of the Services will comply with the AUP, posted at qwest.Lumen.com/legal/ and incorporated by reference into this Service Exhibit. Lumen may reasonably modify the AUP to ensure compliance with applicable laws and regulations and to protect Lumen's network and customers, and such change will be effective upon posting to the Web site. Any changes to the AUP will be consistent with the purpose of the AUP to encourage responsible use of Lumen's networks, systems, services, Web sites, and products.

Pricing: Click here to view the LUMEN Hosted IVR Price List

2.3.5 Lumen Interaction Routing (IR)

Interaction Routing is a Lumen network-hosted contact-center service that provides a virtual contact-center operation without the complex integration of multiple premises-based platforms. Interaction Routing uses the Lumen network to route calls utilizing direct network-to-agent, skills-based routing, based on the customer's business rules, without requiring premises-based equipment.

Interaction Routing can be customized to adapt to the business needs of the customer to manage inbound, outbound, e-mail and web-based transactions through Interaction Routing's universal queuing and reporting capabilities. Interaction Routing can route calls to any agent, anywhere; via either Centrex, PBX, analog, ISDN, POTS, cellular, VoIP or PC desktop phones, working in the office or at home. With Interaction Routing's virtual contact center capabilities, agents can be centralized or widely dispersed and can be configured to support even the largest of recessions.

General; Definitions. Lumen QCC will provide Interaction Routing ("Interaction Routing" or "Service") under the terms of the Schedule and this Service Exhibit.

"Lumen Contact Center" means the Lumen services offered under the Lumen Contact Center Solutions family of services.

"Lumen Content" means Newly Developed Materials and Pre-Existing Lumen Materials.

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"Lumen Content License" means a worldwide, non-exclusive, non-transferable license to use the object code form of the Lumen Content only as it is embedded, linked, bundled or otherwise made an essential and necessary part of the Work Product by Lumen, or is otherwise required to be used in connection with, the Work Product.

"Lumen Managed Application" means Multi-Tenant Managed Application and Single-Tenant Managed Application.

"Concurrent Agent" means agents or supervisors who are simultaneously logged into the Interaction Routing system and available to take or handle customer inquiries or calls (inbound, outbound, or multi-media/web). The number of Concurrent Agents will be determined by the Customer and recorded on the Order Form. Agent MRCs will be based on Concurrent Agents and not registered agents to the system.

"CTI" means Computer Telephone Integration.

"Customer Content" means any materials, creative content, tools, inventions, specifications, methodologies, discoveries, works of authorship, methods of operation, systems, processes, or designs, whether or not reduced to practice and whether or not patentable supplied by Customer to Lumen in connection with this Service Exhibit.

"Customer Content License" means a worldwide, non-exclusive, fully paid-up license to use, copy, and host the Customer Content only as reasonably necessary to perform the Services for Customer.

"Export Laws" means all relevant export laws and regulations of the United States.

"Minimum Service Term" means the number of months initially in the Term of the Agreement used to determine the Service unit MRCs.

"Multi-Tenant Managed Application" means a Lumen owned, monitored, and managed Interaction Routing applications and supporting network equipment that are shared with other Lumen Contact Center customer applications.

"Newly-Developed Materials" means any materials, creative content, tools, inventions, specifications, methodologies, discoveries, works of authorship, methods of operation, systems, processes or designs, whether or not reduced to practice and whether or not patentable, developed by Lumen in the performance of the Services (including, without limitation, formatting code, source code and object code of any software and the documentation related thereto, if any) and all modifications, enhancements or derivative works thereof.

"Pre-Existing Lumen Materials" means all pre-existing materials, creative content, tools, inventions, specifications, methodologies, processes or designs, whether or not reduced to practice and whether or not patentable, provided or used by Lumen in the performance of the Services (including, without limitation, all formatting code, source code and object code of any software owned or developed by Lumen prior to the effective date of this Service Exhibit) and all modifications, enhancements or derivative works thereof.

"Pricing Attachment" means a document containing rates specific to the Service and is incorporated by reference and made a part of this Service Exhibit.

"Renewal Term" means the number of months in the Minimum Service Term.

"Single-Tenant Managed Application" means a Lumen owned, managed and monitored application server dedicated to Customer, and load balancers and supporting network equipment that are shared with other Lumen Contact Center Customers.

"SLA" means the Interaction Routing Service Level Agreement

"SOW" means statement of work attached hereto or referenced in this Service Exhibit.

"Third Party Materials" means third-party hardware or software components.

"Work Product" means each product or item produced by Lumen by (a) linking or bundling any one or more of the following, (b) embedding any one or more of the following within any one or more of the following, or (c) otherwise making any one or more of the following a necessary and essential part of any one or more of the following: (i) the Newly-Developed Materials; (ii) the Pre-Existing Lumen Materials; (iii) the Customer Content; or (iv) any Third Party Materials.

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2.3.5.1 Service.

2.1 Description.

2.1.1 ACD is an automatic call distributor that routes inbound telephone calls to an agent or machine. Routing can be through basic hunt groups or through enhanced skills or business rules routing. ACD has two inbound agent types:

(a) Quick Launch Agents are inbound agents using standard hunt groups for call routing. Agents are grouped by primary function (i.e. customer service, sales, billing, etc.) There are no skills, preferences, or business rules available in this group.

(b) Skills Based Agents are inbound agents that are grouped by skill group. This group includes all the capabilities of Quick Launch Agents plus skills and business Rules. Agents can have multiple skills and preferences (levels) within each skill group. Calls are routed based on the skill of the agent anticipated to handle the call. Call routing can also include business rules. This incorporates items like performance, account status, etc. to be added to the routing strategies.

2.1.2 CTI is an interface between ACD and Customer's database. It allows information to be retrieved and sent to an agent PC screen as the call is transferred to the agent. Professional service is needed to enable this capability. CTI Based Agents include all the capabilities of Quick Launch and Skills Based Agents.

2.1.3 E Service is a grouping of applications that integrates Web services into a standard call routing environment. If you are on a chat line and want to speak to a company representative, the Web application selects the individual to whom you would talk. It also allows for automatic distribution of e-mail to agents. E Service has two options: First Application and Added Application. Both options are billed based on the number of Concurrent Agents and require the use of the Genesys Agent Desktop. Applications include Web chat, Web co-browse, Web call-back, and e-mail.

2.1.4 Content Analyzer is an optional software capability of the e-mail application that provides enhanced analysis of the e-mail transaction beyond key word analysis, allowing e-mail content to be automatically reviewed using natural language analysis using a multi-step analysis process (pre-processing, feature extraction, feature selection, and classification).

2.1.5 Outbound is an application that dials outbound calls and when answered connects the call with a pool of agents. This service includes predictive, progressive, and preview modes for the dialing keys. Predictive dialing allows calls to be placed based on assumptions of agent and customer availability. Progressive dialing allows for calls to be originated based on fixed call plans. Preview dialing allows the agent to preview the customer and then launch the call when the agent is ready. Outbound has two agent options: Outbound Only Agent and Outbound Blended Agent Add On. Outbound requires the use of the Genesys Agent Desktop. A per minute platform outbound usage charge, as set forth in the Pricing Attachment, applies to outbound calls dialed by Interaction Routing platform applications.

2.1.6 Supervisor Standalone ("Supervisor") is the management and reporting functionality of the total application. Supervisor includes real-time, historical, and cradle-to-grave reporting capabilities as well as group and functionality management. Supervisor also includes the ability to administer the system including modification of call flows and agent capabilities. Capabilities can vary from manager to manager through the permission tables and are managed by the overall center administrator. To become part of a calling group, the Supervisor must also have one of the agent capabilities (Quick Launch, Skills, CTI, Web, or Outbound).

2.1.7 Call Recording allows inbound calls to Interaction Routing to be passed through a recording system to **capture agent interactions with their customers. Recordings are stored for up to six months for retrieval.**

2.1.8 Call Recording Storage provides storage of recorded calls beyond six months. Additional storage is provided in annual increments for up to seven years.

2.1.9 CTI Standalone Add provides CTI capabilities to a PBX for ACD routing without an internal or premises CTI router. This feature is required if Customer needs to enter agent specific information into the Configuration Management Environment (CME) and requires a PBX data link to the Service platform.

2.1.10 Genesys Agent Desktop ("GAD") supports agent and supervisory functionality. The GAD can be located on a customer provided server at Customer's location or hosted on a Lumen virtual server at a Lumen

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location. The desktop application can be modified to Customer's specific requirements. The details and charges for such modifications will be provided in an SOW.

(a) If the GAD is located on a customer provided server, a Genesys Agent Desktop MRC will apply for each Concurrent Agent.

(b) If the GAD is hosted on a Lumen virtual server, a Hosted Genesys Agent Desktop MRC for each Concurrent Agent and an Agent Application Subscription MRC will apply. The Agent Application Subscription provides simplex or duplex redundancies. Simplex allows the application to be installed on a single server configuration within a Lumen hosting location. Failover is limited to single server redundancy options. Duplex allows the application to be installed on multiple servers allowing failover of the application between servers in addition to the single server failover capabilities.

2.1.11 Workforce is an application that enables Customer to forecast and schedule staffing requirements. Workforce provides a tool for scheduling and forecasting workers as well as for managing that the schedule and forecast are accurate (real time adherence). This feature is priced on a per agent basis as an add-on feature. WFM Bundle Add On provides scheduling, forecasting, and real time adherence as a package.

2.1.12 Display Board Adapter provides the ability for Customer to connect to third-party display board technology from the Interaction Routing platform. This is required for each Customer building location needing connectivity.

2.1.13 Application Subscription is the subscription fee charged for each ancillary application installed in a Lumen environment. Application Subscription includes the virtual server instance required to support the application. Applications could include Outbound, Workforce Management, e-mail, chat, Scripting, etc. functionality.

2.1.14 Scripting is a feature capability that can be added to the Interaction Routing platform to allow Customer to build and display to agents common scripts to standardize responses to customer inquiries.

2.1.15 Virtual Hold is a feature of Interaction Routing that allows a caller to be provided an option to receive a callback versus waiting in a long queue for an agent to be available. A per minute platform outbound usage charge, as set forth in the Pricing Attachment, applies to outbound calls dialed by Interaction Routing platform applications.

(a) Concierge is the core capability of Virtual Hold allowing the caller to be given an option to retain their place in queue and receive a call back when their call would have processed.

(b) Rendezvous is a capability of Virtual Hold that allows a caller to leave a long queue and schedule a callback at a more convenient time up to seven days out from the current date.

2.1.16 CRM Interfaces. Customer Relationship Management ("CRM") software elements provide an interface to Customer provided CRM tools for use with the Interaction Routing platform.

(a) Live Person Adapter provides a software interface to a customer provided CRM desktop solution from Live Person allowing the integration of the CRM desktop to the call center agent.

(b) SalesForce.Com Adapter provides a software interface to a customer provided CRM desktop solution from SalesForce.com allowing the integration of the CRM desktop to the call center agent.

(c) Genesys Connect is the ability to connect the Interaction Routing platform with a customer provided Genesys premises environment so the two solutions can exchange routing, agent, and calling party information.

2.1.17 Outbound Usage is a usage-based fee for outbound calls placed by the Interaction Routing platform when an application needs to place a callback and re-establish communication with a customer.

2.1.18 Multi-Tenant Managed Application. If requested by Customer and accepted by Lumen, Lumen will host Customer's Interaction Routing application in a Multi-Tenant Managed Application environment. All rights in the Multi-Tenant Managed Application are reserved by Lumen and Lumen does not convey any rights to Customer in such Multi-Tenant Managed Application. The charges for such services are provided in a SOW. Customer will have the ability to securely upload specified data to the Multi-Tenant Managed Application environment in a method defined in the SOW.

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2.1.19 Single-Tenant Managed Application. If requested by Customer and accepted by Lumen, Lumen will host Customer's Interaction Routing application in the Single-Tenant Managed Application environment. All rights in the Single-Tenant Managed Application environment are reserved by Lumen and Lumen does not convey any rights to Customer in such Single-Tenant Managed Application environment. The charges for such services are provided in a SOW. Customer will have the ability to securely upload and download specified data to the Single-Tenant Managed Application environment in a method defined in the SOW. Customer has the option to utilize an external data source. A secure connection will be required between the Lumen Single-Tenant Managed Application and the Customer's external data source.

2.1.20 Simple Call Center-Call Flow Setup. This provides a predefined call flow for Customer. The call flow allows Customer to choose from routing options within the given parameters. The call flow provides routing to the inbound voice call allowing the option of an emergency announcement, time of day/day of week check, holiday check, expected wait time announcement, Customer specific greeting, prompting for up to 10 call menus and four sub menus, queueing with music, routing to agents or a voice mailbox provided by Customer. If Customer requires anything outside these options, they must follow the standard SOW option for custom call flows. This call flow is also limited to English only, no speech recognition, inbound voice only, Quick Launch Agent capabilities, Supervisor access, 10 agent groups, no CTI or data dips, and the standard desktop tools (GAD, GSD, administration tools and reporting tools).

2.2 Service Conditions. The following conditions apply to the Service:

2.2.1 Ownership; Grant of License.

(a) Customer Content. Customer Content will remain the sole and exclusive property of the Customer. No copyrights, patents, trademarks, or other intellectual property rights will be transferred from Customer to Lumen with respect to any of the Customer Content except that Customer will grant, and hereby does grant, to Lumen a Customer Content License.

(b) Lumen Content. Any: (i) Newly Developed Materials; and (ii) Pre-Existing Lumen Materials will be the sole and exclusive property of Lumen. All rights in and related to the Lumen Content, including, without limitation, copyrights, trademarks, trade secrets, patents (including, without limitation, the right to obtain and to own all worldwide intellectual property rights in and to the subject matter embodied by or contained in the Work Product), and all other intellectual property rights or proprietary rights in and related to such Lumen Content, are hereby exclusively reserved by Lumen. It is expressly understood that other than expressly provided in this Service Exhibit, no right or title to or ownership of the Lumen Content is transferred or granted to Customer under this Agreement.

(c) Content Licenses. Subject to the terms and conditions of the Agreement and this Service Exhibit, including, without limitation, upon payment in full by Customer of all Service charges, Lumen hereby grants to Customer during the term of this Service Exhibit a Lumen Content License. Customer will not have the right to license, sublicense or otherwise transfer to others the right to use the Work Product or the Lumen Content. Any right not expressly granted by the Lumen Content License hereunder is hereby expressly reserved by Lumen.

(d) Third Party Materials. The Services may be in support of, or the Work Product may contain certain Third-Party Materials. All right, title, and interest in the Third-Party Materials, including, without limitation, copyrights, trademarks, trade secrets, patents, and other intellectual property or proprietary rights, are exclusively reserved by Lumen, Lumen's licensors or the licensor's suppliers. No right, title, or ownership of or related to the Third-Party Materials is or will be transferred to Customer under this Service Exhibit except to the extent a manufacturer or licensor permits the pass-through and assignment of license rights. In such cases, Lumen will pass through and assign to Customer all applicable license rights permitted by the manufacturer or licensor of the applicable Third-Party Materials. Any costs of such an assignment will be borne by the Customer. Lumen makes no warranties and will have no responsibility whatsoever, including any obligation to indemnify, as to Third Party Materials. A breach of such license by Customer will be a breach of the Agreement.

(e) Restrictions on Use. Customer is expressly prohibited from, and will use all reasonable security precautions to prevent, by its own employees, agents and representatives or any third party from: (i) modifying, porting, translating, localizing, or creating derivative works of the Lumen Content or Third Party Materials; (ii) decompiling, disassembling, reverse engineering or attempting to reconstruct, identify or discover any source code, underlying ideas, underlying user interface techniques or algorithms of the Lumen Content or Third Party Materials by any means whatever, or disclose any of the foregoing; (iii) selling, leasing, licensing, sublicensing,

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copying, marketing or distributing the Lumen Content or Third Party Materials; or (iv) knowingly taking any action that would cause any Lumen Content or Third Party Materials to be placed in the public domain. The Lumen Content and Third-Party Materials are protected by the intellectual property laws of the United States and other countries and embody valuable confidential and trade secret information of Lumen, Lumen's licensor or its suppliers. Customer will hold the Lumen Content and Third-Party Materials in confidence and agrees not to use, copy, or disclose, nor permit any of its personnel to use, copy or disclose the same for any purpose that is not specifically authorized under this Service Exhibit. The customer agrees that the licensor of Third Party Materials and its suppliers are intended third party beneficiaries of the provisions in this Restrictions on Use section. This provision will survive cancellation of this Service Exhibit or the Agreement.

(f) Residual Rights in Lumen Know-How. Subject to Lumen's confidentiality obligations set forth in the Agreement, nothing herein will be deemed to limit Lumen's right to use the ideas, concepts, processes, techniques, expertise and know-how retained in the unaided memory of Lumen as a result of its performance of the Services hereunder.

2.2.2 Voice Services. Customer must purchase, under separate terms and conditions, the voice service used in connection with the Services.

2.2.3 Software Applications Residing on Customer. Provided and Maintained Equipment. Lumen or its agents provides application support for all Interaction Routing applications. Application support includes maintenance and trouble resolution of the specific application software. Customer must provide Lumen data access to any Customer provided servers (premises or hosted) for the purpose of performing maintenance and trouble resolution. If this access is restricted or not provided, Service and support will be unavailable until such access is granted.

2.2.4 Customer Hosted Equipment. If Customer is not using a Lumen Managed Application, Customer must provide all equipment necessary to maintain and operate the application services including but not limited to the database and all applicable software, including, without limitation, virtual private network software for the two way transfer of data between the Customer application environment and the Lumen Interaction Routing platform. Upon request, Lumen will provide Customer recommended application and database configurations. Customer will be solely responsible for the installation, operation, maintenance, use and compatibility with the Service of any equipment or software not provided by Lumen. If any equipment or software not provided by Lumen impairs Customer's use of any Service: (a) Customer will nonetheless be liable for payment for all Service provided by Lumen and (b) any service level agreement generally applicable to the Interaction Routing platform or Lumen IQ™ Networking Internet Port will not apply.

2.2.5 Professional Services. Lumen will develop a custom Interaction Routing application to Customer's specifications. The details and charges for the custom Interaction Routing application development are provided in the SOW. Lumen will: (a) perform the consulting, professional, technical, development and design services described herein or in the SOW; and (b) develop certain Work Product, if applicable and as specifically described in the applicable SOW, which will perform the functions or contain the attributes described herein or in the applicable SOW. Customer acknowledges that the successful and timely provision of Services and any applicable Work Product will require the good faith cooperation of Customer. Accordingly, Customer will fully cooperate with Lumen by, among other things: (c) providing Lumen with all information reasonably required in order to provision the proposed Services and Work Product, if applicable; and (d) making Customer personnel and appropriate development time on Customer's systems available to Lumen, so as to permit Lumen to provide the Services and Work Product, as applicable, provided that the foregoing will be at such times so as not to unreasonably disrupt the conduct of Customer's business. The Agreement and this Service Exhibit will also apply to and govern the rendering of all Services or Work Product produced in anticipation of and prior to the Agreement.

2.2.6 Application and Platform Support.

(a) Application Support. If Customer discovers a material defect in any Work Product developed under a SOW and reports such defect to Lumen in writing during the 90 consecutive calendar days immediately following the date such Work Product is accepted by Customer as defined in the SOW ("Warranty Period"), Lumen will use commercially reasonable efforts to remedy, free of charge, such material defects ("Warranty Services"). The Warranty Services will be deemed accepted by Customer on the date Lumen completes remedial work with respect to the material defects properly identified during the Warranty Period ("Covered Defects"). If Lumen reasonably determines that it cannot remedy all the Covered Defects and notifies Customer of same in writing,

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Customer may terminate the SOW upon 10 business day's written notice to Lumen. Lumen will reimburse any charges for Work Product paid by Customer through the date of termination. Lumen will have no obligation to perform any Warranty Services with respect to any defect(s) caused by or which arise as a result of Customer's use of the Work Product in a manner, or in conjunction with hardware or software, not authorized under the Agreement or set forth in the written specifications therefor. Further, Lumen will have no obligation to perform any remedial, corrective or Warranty Services if Customer, or a third party acting at Customer's direction or on its behalf, modifies or creates a derivative work of the Work Product. If Lumen spends time isolating problems to a Interaction Routing application that is (a) no longer in the Warranty Period; or (b) due to unauthorized use or modification of the Work Product, Customer will be charged for such effort at the Application Support Services Hourly Rate set forth in the Pricing Attachment. Any extension of the Warranty Services beyond the Warranty Period must be detailed in a new SOW.

(b) Platform Support. Lumen provides 24x7x365 break/fix support for the platform components covered in this Service Exhibit at no additional charge unless Customer, or a third party acting at Customer's direction or on its behalf, causes the break, in which case additional charges will apply. Lumen also provides a Business Application Help Desk to support feature and functionality questions related to the Lumen Contact Center platforms. This Business Applications Help Desk is available Monday through Friday, 7 AM to 9 PM Eastern Time, excluding Lumen observed holidays. The Business Applications Help Desk does not have the ability to make changes to the platform or platform software. Non-critical requests for changes should be directed through the Lumen Account Team. Requests for emergency changes to configuration and routing may be made through the break/fix support team. Additional charges may apply.

2.2.7 Export Administration. Customer agrees to comply fully with Export Laws to assure that no information, design, specification, instruction, software, data, or other material furnished by Lumen nor any direct product thereof, is: (a) exported, directly or indirectly, in violation of Export Laws; or (b) intended to be used for any purposes prohibited by the Export Laws, including, without limitation, nuclear, chemical, or biological weapons proliferation.

2.2.8 Compliance with Laws.

(a) General. The customer must comply with all applicable requirements of federal, state and local laws, ordinances, administrative rules and orders, as well as all industry standards, applicable to its use of the Service.

(b) Recording of Conversations. Lumen's Interaction Routing offering is certified as a PCI compliant application. As such, Lumen requires that the Customer not retain financial Personal Identification Numbers (PIN) or security code information beyond the completion of the active call in which it is communicated. Additionally, Customer agrees that it will comply with all federal and state laws regarding the recording of conversations, including Minnesota Revised Statute, § 325E.64. As a part of Customer's other indemnification obligations under the Agreement, Customer must defend and indemnify.

2.3 SLA. Service is subject to the SLA, which is effective as of the first day of the second month after initial installation of Services. The SLA does not apply to any other Service component.

3. Reserved.

4. Charges. Charges for the Service are as set forth in the Schedule.

5. AUP. All use of the Services will comply with the AUP, posted at http://www.Lumen.com/legal/ and incorporated by reference into this Service Exhibit. Lumen may reasonably modify the AUP to ensure compliance with applicable laws and regulations and to protect Lumen's network and customers, and such change will be effective upon posting to the Web site. Any changes to the AUP will be consistent with the purpose of the AUP to encourage responsible use of Lumen's networks, systems, services, Web sites, and products.

Pricing: Click here to view the LUMEN Interaction Routing Price List

2.3.6 EZ Route

Lumen EZ Route – Enhance business efficiency and customer satisfaction with automated IVR.

As a Network-Based interactive voice response (IVR. As a network-based interactive voice response (IVR) application, EZ Route provides contact-center functionality (e.g., menu routing, database routing and links to

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custom applications) that enables businesses of all sizes to answer calls, provide messages, create announcements, and support call routing to live agents or other IVR applications through a menu-driven interface. Answer and route incoming calls seamlessly based on caller menu choices or ANI or DNIS information. You can also customize your system with announcements, professionally.

No capital investment required.

- Calls routed to the correct location the first time, saving transport costs for bridged calls.
- Pricing on a per-call rate

Efficient

- Provide status information to callers that can be updated in near real time.
- Route to multiple locations or departments to handle call traffic spikes.
- Build custom solution applications in as little as 30 minutes using the web enabled IVR application wizard.

Adaptable

- Use your existing infrastructure to easily integrate with automatic call distributors (ACDs) and private branch exchanges (PBXs)
- Design your call management program to meet your changing business needs and deploy changes.
- Change routing options in real time.
- Customized application design reroutes incoming 8XX calls to be answered via touchtone or speech recognition menu.

Features

- Quick and simple creation of a voice menu and routing scheme via a web-based, graphical user interface (GUI), which includes assigning toll-free numbers and transfer-to numbers for routing.
- Select from a touch-tone menu and/or speech recognition menu and extensive routing options.
- Busy-ring-no-answer overflow (create a default route to another POTS/VNS/8XX if the primary destination is busy).
- Comprehensive, web enabled IVR application wizard.
- Go to node (enables calls to be routed from one EZ Route application to another).
- Busy-ring-no-answer messages and customizable hold music (you can upload your own hold music to play while calls are being transferred).
- Integration with Hosted IVR applications.
- Applications with routine responses can use the integrated text-to-speech features for menus and responses.
- Scalable with virtually unlimited availability of ports to provide callers with access during peak calling periods.

Pricing: Click here to view the LUMEN EZ Route Price List

2.3.7 Lumen Hosted Area Network (HAN) Internet access

Hosted Area Network (HAN) Internet Access from Lumen offers you high bandwidth Internet connectivity — from 1 megabyte to 10 gigabytes — right in the secure Lumen data center that were specifically architected to support Lumen's Hosting and Colocation customers. Leverage this bandwidth to ensure consistent, high-performance access to your hosted applications and Web sites, or to centrally distribute and control Internet access to all your remote locations. Since we operate our own Tier 1 IP network, you can rest assured that you will be getting high quality on a global scale.

Pricing: Click here to view the LUMEN HAN Internet Price List

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2.3.8 Lumen Network-Based Security (NBS)

Lumen Network Based Security (NBS) Overview

Manage diverse threats with a multi-layered security solution embedded in the Lumen network. Cloud-enabled security is embedded within the Lumen Network and unified to manage overwhelming Internet threats against your agency.

Network-Based Security offers multiple, complementary services (e.g., Firewall and VPN; IDPS; Anti-Malware; Web Content Filtering; Data Loss Prevention and Service Management and Reporting Visibility) to help protect your agency from the inside out. These layers work in conjunction with endpoint computer anti-malware software and internal agency firewalls to intercept diverse threats.

Benefits

- Protect your IT infrastructure with one of the most advanced, combined solutions available.
- Set up, change, configure and control in the way that's best for your mission.

A4 | Includes SD WAN software, small device, managed service. Access is priced separately.

Lumen Software-Defined Wide Area Network (SDWAN) with Versa Networks

SD WAN Premium Service – Domestic (MR)
Includes SD WAN software, small device, managed service. Access is priced separately.

12 month	12 month NASPO	24 month	24 month NASPO	36 month	36 month NASPO
$279	$223.20	$269	$215.20	$259	$207.20

Virtual SD WAN Premium Service for AWS / Azure – Domestic (MR) locations or for use with Universal CPE (uCPE) Hardware
Includes SD WAN software and managed service

12 month	12 month NASPO	24 month	24 month NASPO	36 month	36 month NASPO
$219	$175.20	$209	$167.20	$199	$159.20

Non-Recurring Charges: $200 (waived with a 24 or 36 month contract)

Optional Features – Domestic (MR unless otherwise noted)

	12 month	12 month NASPO	24 month	24 month NASPO	36 month	36 month NASPO
Security Package	$50.00	$40.00	$50.00	$40.00	$50.00	$40.00
Hardware upgrade* to Small Fiber device	$10.00	$8.00	$10.00	$8.00	$10.00	$8.00
Hardware upgrade* to Medium device	$45.00	$36.00	$40.00	$32.00	$35.00	$28.00
Hardware upgrade* to Medium Fiber device	$55.00	$44.00	$50.00	$40.00	$45.00	$36.00
Hardware upgrade* to Large device	$400.00	$320.00	$300.00	$240.00	$200.00	$160.00
Hardware upgrade* to Extra Large device	$1,060.00	$848.00	$610.00	$488.00	$500.00	$400.00
Hardware upgrade** to Universal CPE device	$400.00	$320.00	$300.00	$240.00	$200.00	$160.00
On Site Installation (NR)	$500.00	$400.00	$500.00	$400.00	$500.00	$400.00
On Site Maintenance (Per location)	$50.00	$40.00	$50.00	$40.00	$50.00	$40.00

*** Hardware upgrade fee is an additional charge to the SD WAN Premium service.**
EX: $259 (SD WAN Premium) + $200 (Hardware upgrade to Large device) = $459 (Domestic, 36 mo term)
**** Hardware upgrade fee for Universal CPE is an additional charge to the Virtual SD WAN Premium service**
EX: $199 (Virtual SD WAN Premium) + $200 (Hardware upgrade to uCPE device) = $399 (Domestic, 36 mo term)

Customer Managed Virtual Machine - $64.80 / instance
Available only with Hardware Upgrade to Universal CPE (uCPE). Customer provides all licensing. Month to month term.

High Availability Option (Domestic and International)
Lumen will provide a 25% discount on the second SD-WAN service inclusive of any optional features ordered at same site for High-Availability (HA) Network resilient designs. In the event the Primary and HA device are different sizes / models, the lower priced device must be quoted as the HA device in order for the discount to be applied.

- Guard your business with multiple layers of security designed to complement and enhance each other.
- Remove single points of failure from your network.
- Remove resource contention.
- Enable direct Internet access for your HQ, data centers, and branches.

Best-In-Class Visibility and Reporting

Top tier reporting and visibility dashboards provide some of the most powerful and detailed security information available in the market including:

- Better reporting and tracking
- Easier validation of regulatory and standards requirements
- Standardized information

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- Unified data to tell you what is really happening in your network

Lumen Network Based Security (NBS) Offering Overview
Lumen's Network Based Security (NBS) is provided in multiple configurations of:
- Security Type (Next Generation Internet, Content Filtering, and Complete Security)
- Support levels (Standard and Unlimited)

Introduction
Network-Based Security is a Lumen managed and monitored security service, providing a strong layer of protection between the customer's Lumen IQ™ Networking private network and the Internet. The security is implemented in the Lumen network and integrates security controls and policies with the Lumen IQ Networking service.

The Network-Based Security service MRC and NRC are derived by selecting the following components:
- **Security Type:** Security features available with the service
- **Support Level:** Service support options
- **Bandwidth:** Amount of bandwidth available through the security platform and to the Internet

A single MRC per service instance is charged that is the sum of applicable charges for the selected 1) Security Type and Support Level MRC and 2) the Security Bandwidth MRC.

The NRC applies to each Network-Based Security service instance.

The service includes security features based on the selected Security Type, service support based on the selected Support Level, access to logs and reports, and a service management portal.

Security Type Definitions

Security Type	Features Included
Next Generation Internet	Firewall and VPN features
Content Filtering	Firewall, VPN, Remote User SSL VPN, Windows AD Integration and Content Filtering features
Complete Security	Firewall, VPN, Remote User SSL VPN, Windows AD Integration, Content Filtering, IDS/IPS and DLP features

* Lumen does not retain logs after the log period has been completed

Pricing: Click here to view the LUMEN NBS Price List

2.3.9 Lumen IQ+ Cloud Connection

Lumen IQ+ Cloud Connection Overview

Cloud Connection is a service available to Lumen IQ/IQ+ customers that provides connectivity to 3rd party cloud service providers (CSPs), including Microsoft Azure (via ExpressRoute connection) and Amazon Web Services (via AWS Direct Connect).

Pricing: Click here to view the Lumen IQ+ Cloud Connection Price List

2.3.10 Lumen Tailored Managed Network Services

1. General. Lumen will provide Managed Enterprise service ("Service") consistent with any statement of work ("SOW") incorporated by reference into this order.

2. Service.

2.1 Description. Service is a support service that provides monitoring and management of specific applications and customer premises equipment ("CPE") in Customer's network environment. Service includes: (a) 24x7x365 remote monitoring of predefined, in-scope components and interfaces from a facility; (b) fault management services, including fault detection, isolation, diagnosis, remote repair when possible; (c) pro-active Customer notification and escalation as appropriate; (d) engineering analysis; (e) pro-active management of quality of service ("QoS"); (f) management of dialing plans and moves, adds and changes; (g) configuration management; (h) reports and ticketing; and (i) network design verification service. Lumen uses an ITIL certified service delivery team to provide the Service. Service does not include CPE unless a SOW includes specific CPE Lumen will provide, Internet connections to supported devices, underlying transport service, service to connect to

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the public switched telephone network ("PSTN"), lab testing, lab modeling or other services. Customer must have separate service (e.g., primary rate interface or SIP Trunk) for calls originating on or terminating to the PSTN. Customer may separately purchase from Lumen CPE, Internet connections, transport service, access service to the PSTN, IP PBX, messaging, Contact Center, collaboration local area network ("LAN")/WAN/wireless LAN, firewall, and unified threat management as a part of its IPC environment. System failure notifications will be sent to Customer per Customer's SOW.

2.2 Network Design Verification. Lumen will evaluate the ability of the Customer's network to support the Service. In the event Lumen determines in its evaluation that Customer's network environment is unable to support the Service applications, Lumen may provide a plan to improve Customer's network. Site surveys may be required to verify Customer network elements and configuration.

2.3 Lumen Responsibilities.

(a) Lumen will provide Customer with a non-exclusive service engineer team, which will maintain a customer profile for the portion of the Customer's network where the Lumen-managed devices reside. Lumen will use commercially reasonable efforts to work with the Customer to facilitate resolution of service-affecting issues. Service installation intervals vary depending on network size and specific device types. Lumen and each Customer will develop mutually acceptable individual SOWs and project plans to define and manage the overall engagement.

(b) Lumen is responsible for changing or updating any virtual LANs ('VLAN") or Internet protocol ("IP") addressing on managed or converged network devices.

2.4 Customer Responsibilities.

(a) For Customer provided CPE, Customer is required to maintain a hardware maintenance agreement and software subscription agreements with the respective vendors for the applications and CPE Lumen supports under this Service Exhibit and maintain the software within one version of the current release.

(b) For Lumen provided CPE, Customer will provide Lumen with accurate and current local site contact information, adequate space, power, and appropriate environmental controls (e.g., an equipment closet), and appropriate access to Customer's designated locations. Lumen will provide instructions to Customer for use of the Service. Customer will not obtain any ownership interests in the Lumen provided CPE used to provide the Service. Upon termination of the Service, Customer must return the Lumen provided CPE to Lumen (as instructed by Lumen) in the same condition as it was on the first day provided, normal wear and tear excepted. If Customer fails to return the Lumen provided CPE in the time and manner provided by Lumen, Customer will pay to Lumen, the fair market value of the CPE as determined by Lumen. Lumen is not liable for any damage to the Lumen provided CPE within Customer's control.

(c) Customer must provide all information and perform all actions reasonably requested by Lumen in order to facilitate installation of Service. For Out-of-Band Customer will provide access as stated in the SOW.

(d) Customer must execute the attached Letter of Agency (Attachment 1) to authorize Lumen to act as Customer's agent solely for the purposes set forth in the Letter of Agency.

(e) Depending on transport type, Customer's managed devices must comply with the following set of access requirements: (i) for Service delivered via IP connectivity with Lumen IQ® Networking Internet Port and/or other public Internet service, devices must contain an appropriate operating system capable of establishing IP security ("IPSec") virtual private networks or (b) provide an open port on a firewall capable of terminating an IPSec tunnel to accommodate remote management and monitoring. The customer is responsible for the underlying Internet connection. Customer will have the ability to route network management information to and from all other Customer devices within the Service. For large or critical networks, multiple Service management connections may be required.

(f) Customer must provide: (i) a publicly routable valid IP address in order to establish the Service connection; and (ii) enable Lumen to establish an Ipsec tunnel. The customer's primary technical interface person will be available during the remote installation process in order to facilitate installation of the Service. If the Customer already has a CPE maintenance agreement with another provider for Customer provided CPE, Lumen will still provide outage notification to Customer or Customer's designee. The response times for which the Customer has contracted with their CPE maintenance provider will affect Lumen's timing for resolution of

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problems involving Customer-provided devices. The performance of the CPE maintenance provider is the Customer's responsibility. Customer will furnish all information reasonably required by Lumen before the remote installation phase of Service to enable Lumen to provide the Service.

(g) Customer is also responsible for the following:

(i) Activation assistance – Cooperation is essential during the activation period. The customer is responsible for providing complete and thorough details of the network environment to ensure an effective and efficient provisioning process.

(ii) Informing Lumen of changes or problems – Customer is responsible for sharing with Lumen all information that might impact the Service or Lumen's ability to provide its Service as soon as the changes or problems are discovered. This includes informing Lumen of major network changes, firewall changes, problems with Internet connections, major vulnerabilities discovered, and unusual network activity.

(iii) Supplying a POC – Customer is responsible for providing Lumen with a point of contact ("POC") who can serve as the central point of contact for all information exchanged with Lumen. This POC should be available 24 hours a day. This POC will be used in cases where cooperative measures are necessary. A minimum of one secondary POC is also recommended. POC contact information includes a valid e-mail address (including PGP if available), work telephone number, pager or mobile telephone number, and any other information that may be required to reach the POC during the workday or after hours. Lumen is not responsible for damages that may be incurred because the customer's POC is unreachable.

(iv) End-User support – Customer is responsible for providing end-user support.

(v) VLAN management – Customer provides VLAN management schema for review.

(vi) IP management – Customer provides IP addressing schema for review. Customer is responsible for IP address custody.

2.5 OCONUSTerms and Conditions. International Service is available in many locations, but not all locations outside of the continental United States. Customer must verify with Lumen the availability of the Service in Customer's desired international locations. For Service outside of the continental United States, the following terms and conditions will apply.

(a) Export Controls. If equipment, software, or technical data is provided under this Service Exhibit, Customer's use of such items must comply fully with all applicable export and re-export controls under U.S. Export Administration Regulations and/or the relevant export control laws and regulations of any other applicable jurisdiction.

(b) Anti-Corruption. Each party acknowledges and agrees that certain anti-bribery and anti-corruption laws, including the Foreign Corrupt Practices Act, 15 U.S.C. Sections 78dd-1 et seq. and the UK Bribery Act, prohibit any person from making or promising to make any payment of money or anything of value, directly or indirectly, to any government official, political party, or candidate for political office for the purpose of obtaining or retaining business. Each party represents and warrants that in the performance of its obligations hereunder, it has not offered, made, or accepted and will not offer, make, or accept, any bribe or facilitation payment, and will otherwise comply with the requirements of applicable anti-bribery laws.

(c) Business Contact Information. Customer is providing to Lumen the names of and contact information ("Business Contact Information") for its employees ("Business Contacts") who have purchasing or other responsibilities relevant to Lumen's delivery of Service under this Service Exhibit. The Business Contact Information does not include personal data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, trade-union memberships, financial status, health, or sex life. Customer consents to Lumen's and its affiliates or subcontractors' use and transfer to the United States of Business Contact Information for the purpose of: (i) fulfilling its obligations under this Service Exhibit; and (ii) providing information to Customer about Lumen's products and services via these Business Contacts. The customer represents that the Business Contact Information is accurate and that each Business Contact has consented to Lumen's processing of their Business Contact Information for the purposes set forth in this Service Exhibit. The Business Contact Information provided by Customer has been collected, processed, and transferred in accordance with applicable laws, including, where applicable, any necessary notification to the relevant data protection authority in the territory in which Customer is established ("Authority"). The customer will notify Lumen promptly of staffing or other changes

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that affect Lumen's use of Business Contact Information. Lumen will have in place technical and organizational measures that ensure a level of security appropriate to the risk represented by the processing and the nature of the Business Contact Information, and that protects such information against accidental or unlawful destruction or accidental loss, alteration, unauthorized disclosure or access. Lumen will use the information only for the express purposes set forth in this Service Exhibit. Lumen will identify a contact authorized to respond to inquiries concerning the processing of Business Contact Information and will reasonably cooperate in good faith with Customer and the Authority concerning all such inquiries without excessive delays.

(d) International Laws. Lumen will provide the International Service in compliance with applicable international laws and tariffs. Customer agrees to cooperate with Lumen in obtaining necessary domestic or foreign approvals. Lumen may elect to not offer International Service, or to terminate International Service, in or to any jurisdiction, location or country if Lumen determines that the provision of such International Service is not commercially reasonable or is not lawfully permitted. Any arbitration or notices between the parties will be conducted in the English.

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3. Charges. Customer will pay all applicable charges in the applicable SOW. During each month of the Service Term, Customer agrees to not drop below the minimum commitment dollar amount for each category of device/seat stated in each row for each category of the pricing table in each SOW ("Minimum Commitment"). In any given month Customer's actual MRCs for a particular category of device/seat in a SOW are below the associated Minimum Commitment in that SOW, Customer will pay to Lumen the difference between those actual MRCs for that month and the applicable Minimum Commitment. The MRCs set forth in the applicable SOW will be used to calculate Contributory Charges.

4. Purchase of Lumen provided CPE. Upon the completion of the Service Term in which the Service is not renewed, Customer may purchase the Lumen provided CPE from Lumen for use with the Service at the fair market value mutually agreed upon by the parties. If Customer chooses to purchase the Lumen provided CPE, Customer must notify Lumen of its intention to do so at least 60 days prior to completion of the Service Term, and Customer must purchase the Lumen provided CPE on the last day of the Service Term on an "as-is" basis, with no representations or warranties of any kind, including no warranties of merchantability or fitness for a particular purpose or representation that any software license associated with the Lumen provided CPE is transferrable to Customer. Title to and responsibility for the applicable Lumen provided CPE will immediately transfer to Customer upon Lumen's receipt of payment. The customer will be responsible for purchasing or providing any separate maintenance and any software licenses for all purchased CPE. The customer is also responsible for the proper disposal of all purchased CPE. Customer hereby releases Lumen from all liability relating in any way to the purchased CPE.

5. SLA. Except as stated in this section, Service is subject to the service level agreement ("SLA") located at http://www.Lumen.com/legal/ and which is subject to change. For the Customer's claims related to Service deficiencies, interruptions or failures, the Customer's exclusive remedies are limited to those remedies set forth in the applicable SLA.

6. Definitions. Capitalized terms not defined in this Service Exhibit are defined in the Agreement.

"IPC" means IP communications, which consists of devices, applications, or endpoints that, individually or in combination, enable the transmission of packetized voice, video, or data.

"Out-of-Band" means a connection between two devices that relies on a non-standard network connection.

"PGP" means pretty good privacy, which is a cryptographic product family enabling people to securely exchange messages and secure files, disk volumes, and network connections with both privacy and strong authentication.

Pricing: Click here to view the Lumen Managed Network Services

2.3.11 Lumen Network Management Service (NMS)

1. General. Lumen will provide Network Management Service ("NMS" or "Service") under the terms of the governing contract ("Agreement") as further described in this service description.

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2. Service.

2.1 Description. NMS provides performance reporting, change management, configuration management, fault monitoring, management and notification of customer premises equipment ("CPE") and network related issues. NMS does not include transport or local access service, which may be separately purchased from Lumen. The following management types are available:

(a) Select Management. Select Management includes: 24x7x365 remote performance monitoring, reporting, and ticketing via NMS online portal for devices supported by Lumen. Select Management also includes complete fault monitoring, management, and notification (detection, isolation, diagnosis, escalation and remote repair when possible) change management supported by Lumen, (up to 12 changes per year), asset management (device inventory), and configuration management (inventory of customer physical and logical configuration). Customer may submit change management requests via Control Center at https://controlcenter.Lumen.com. Select Management only supports basic routing functions. Please reference the NMS Supported Device List to determine which devices qualify for NMS Select. NMS does not include new CPE initial configuration, lab testing, lab modeling, or on-site work of CPE. The NMS supported device list and a standard change management list are available on request and are subject to change without notice.

(b) Comprehensive Management. Comprehensive Management includes all of the Select Management features as well as total customer agency and change management (up to 24 configuration changes per year) of complex routing functions within routers, switches, and Firewall modules. This includes configuration and management of complex routing, switching, device NIC cards, Firewall module configurations, and basic router internal Firewall functions. "Firewall" means a set of related programs, located at a network gateway server that is designed to allow or deny certain hosts or networks to speak to each other, based on a set security policy. Lumen acts as the Customer's single point of contact in managing the resolution of all service, device, and transport faults covered by Comprehensive Management and will work with any third party hardware and/or transport providers the Customer has under contract until all network issues are successfully resolved. With Internet security protocol ("IPSec"), Lumen can configure full mesh, partial mesh, or hub-and-spoke topologies with secure tunnels for remote communication between Customer locations. IPSec is only available on approved Cisco and Adtran devices. IPSec opportunities greater than 25 devices or with other manufacturer's devices require Lumen approval before submitting an order.

(c) Monitor and Notification. Lumen will monitor Customer device 24x7x365 for up/down status and notify Customer of faults. This feature does not include any of the Select Management or Comprehensive Management features.

2.2 Lumen Responsibilities. Lumen will provide the Customer with a non-exclusive service engineer team, which will maintain a customer profile for the portion of the Customer's network where the Lumen-managed devices reside. Lumen will work with the Customer to facilitate resolution of service-affecting issues as long as Customer chooses either Select Management or Comprehensive Management.

2.3 Customer Responsibilities.

(a) Customer must provide all information and perform all actions reasonably requested by Lumen in order to facilitate installation of Service. For Out-of-Band management related to fault isolation/resolution, Customer will provide and maintain a POTS line(s) for each managed device. "Out-of-Band" means a connection between two devices that relies on a non-standard network connection, such as an analog dial modem, which must be a Lumen certified 56k external modem. Additionally, Customer will provide a dedicated modem for each managed device. It is not mandatory that Customer have a POTS line, but Customer must understand that Lumen will not be able to troubleshoot issues if the device under management cannot be reached.

(b) For Comprehensive Management, Customer must execute the attached Letter of Agency (Attachment 1) to authorize Lumen to act as Customer's agent solely for the purpose of accessing Customer's transport services.

(c) Depending on transport type, Customer's managed devices must comply with the following set of access requirements: (a) for Service delivered via IP connectivity with Lumen IQ® Networking Internet Port or other public Internet service, devices must contain an appropriate version of OS capable of establishing Ipsec VPNs; (b) for Service delivered with Lumen IQ Networking Private Port, Lumen will configure a virtual circuit to access Customer device at no additional charge. Lumen will add the Lumen NMS network operations center to the Customer user group to manage the devices within the customer's network. With Lumen IQ Networking Private

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Port, the Customer device does not need to be IPSec-capable unless customer is requesting an added layer of security; (c) for Private Line, both A and Z locations must be under management and accessible via a valid routable IP address.

(d) Customer must provide: A routable valid IP address to establish the Service connection. The customer's primary technical interface person must be available during the remote installation process in order to facilitate installation of the Service. All Customer devices managed under NMS must be maintained under a contract from a Lumen approved on-site CPE maintenance provider. The response times for which the Customer contract with its CPE maintenance provider will affect Lumen's timing for resolution of problems involving Customer-provided devices. The performance of the CPE maintenance provider is the Customer's responsibility.

3. Charges. Customer will pay all applicable charges in the attached pricing attachment. Charges will commence within five days after the date Lumen notifies Customer that Service is provisions and ready for use ("Start of Service Date"). The MRCs set forth in the pricing attachment will be used to calculate Contributory Charges. Location additions will be at Lumen's then-current rate.

4. AUP. All use of the Service must comply with the AUP, posted at http://www.qwest.Lumen.com/legal/, which is subject to change. Lumen may reasonably change the AUP to ensure compliance with applicable laws and regulations and to protect Lumen's network and customers. Any changes to the AUP will be consistent with the purpose of the AUP to encourage responsible use of Lumen's networks, systems, services, Web sites, and products.

5. SLA. Service is subject to the NMS service level agreement ("SLA"), located at http://www.qwest.Lumen.com/legal/, which is subject to change. The SLA is effective as of the first day of the second month after initial installation of Service. For Customer's claims related to Service or NMS feature deficiencies, interruptions or failures, Customer's exclusive remedies are limited to those remedies set forth in the applicable SLA.

Pricing: Click here to view the Lumen Network Management Service Price List

2.3.12 Lumen IQ Networking

2.3.12.1 Lumen IQ Networking Overview

Lumen Technologies Government Solutions, Inc. ("Lumen") presents Lumen iQ™ Data Bundle combining data networking service, equipment, installation and local access into a single-source communications solution. Whether you're looking to better manage growth or streamline operations, multiple bandwidth configuration options can be customized to meet your changing business needs. Optional security features provide you anywhere access to your business and dependable protection of your data and networks.

Lumen iQ Data Bundles Include:

- Lumen local access connection *
- Pre-configured plug-and-play router
- 8x5 CPE maintenance package or optional 24x7 maintenance package
- Lumen iQ™ Networking Internet Port or Private Port
- Configuration change management

* Local Access Connection – Dedicated Local Access. Dedicated local access is required for the IQ Services. Customer's need to purchase Lumen-provided local access facilities, which will be provided under a separate agreement with Lumen.

2.3.12.2 Lumen IQ Networking: Internet Port Overview

Benefits

- A state-of-the-art, global IP backbone with no backbone congestion
- Rapid access to content for domestic and international users
- 42 millisecond network recovery time
- Network performance and availability
- Managed networking to free up resources—giving you expertise in design and implementation.

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- Access to the Lumen Internet service around the world
- Diverse billing options match bandwidth and budgetary requirements with competitive rates
- A full package of additional services, such as security, to meet critical business needs.

Reliable Internet access

You can maintain cost-effective communications with your branch offices and mobile employees by using Lumen to access the Internet. Our dedicated Internet service is a crucial element in helping you create a virtual enterprise by delivering a high-speed, reliable, and scalable Internet access service. You can free up valuable resources, allow staff to work on other projects, use our expertise to watch the network and help in design and implementation, and keep your network always running, minimizing network downtime, and increasing application performance.

Internet Port is scalable and customized to your needs, using the full capability of the Internet by combining value-add services such as email, multi-media streaming, ecommerce, and application hosting.

Start with Internet Port and upgrade outdated equipment with no penalties.

Internet Port is a reliable and dedicated Internet service that runs on the advanced Lumen network, one of the most sophisticated networks available. It offers an exceptional service level agreement (SLA) and some of the highest access speeds in the industry. Additional services that can be used with Internet Port include security services, integrated customer premises equipment (CPE) solutions, international connectivity, and Control Center—our online management and reporting portal.

Features

- Advanced IP network (OC-192)
- Extensive peering arrangements
- Performance management 24/7/365 by Lumen skilled operations engineers using automated surveillance tools – continuous, proactive network monitoring and real-time notification of managed devices to support your network performance at a level that meets or exceeds your needs.
- Configuration management –configuration faults and changes to support integrity
- Comprehensive SLA
- Flat-rate and use-sensitive billing
- Control Center, online portal
- Best-in-class Internet network partners around the world

How it works

Internet Port provides a complete range of services to accommodate various enterprise networking requirements. The Lumen network backbone is engineered for minimal packet loss and network congestion.

Customer care centers (CCCs) are available to support your needs 24/7/365. Lumen network operations centers (NOCs) have full visibility and control of the platform with 24-hour management and notification when problems occur. Choose from a variety of port speeds, ranging from 56Kbps to 2.4Gbps and Ethernet speeds of 10Mbps, 100Mbps, 100Mbps and 10Gigabit.

The following Internet port speeds are available:

- DS-1 (1.544Mbps)
- DS-3 (45Mbps)
- OC-3 (155Mbps)
- Ethernet (2-10Mbps)
- Fast Ethernet (10 -100Mbps)
- Gigabit Ethernet (100 – 1000Mbps)
- 10 Gigabit Ethernet (1000 – 10000Mbps)

2.3.12.3 Lumen IQ Networking: Private Port Overview

Benefits

- A state-of-the-art, global IP network with no network congestion

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- Use your existing Frame Relay and ATM technologies to access advanced IP technologies.
- Robust quality of service to prioritize time-sensitive traffic such as VoIP and video streaming.
- Managed networking to free up resources—giving you expertise in design and implementation.
- Performance is backed by one of the industry leading service levels agreements
- Ideal for multimedia applications
- Diverse billing options match bandwidth and budgetary requirements with competitive rates

Get network security, reliability and cost management with your own private Internet.

In today's fast-moving, competitive environment, you depend on your network to support your critical business applications across your virtual private network (VPN). Private Port is isolated from the public Internet to help ensure a secure and reliable IP VPN. Private Port uses multi-protocol label switching (MPLS) or virtual private LAN service (VPLS) to create a fully meshed, any-to-any VPN and a flexible quality of service (QoS) to keep pace with changes in demand for IP-based content delivery.

The Lumen IP network is one of the most advanced networks available, with best-in-class service level agreements (SLAs). In the continental United States, you'll receive a service level agreement with a 100% availability goal. Our account services team will guide you through any changes required in your system, helping you to manage costs effectively and reduce any risks in switching networks or systems. You'll be able to converge all your communications onto a single network to run the most productive and efficient operations possible with Private Port. You can free up valuable resources, allow staff to work on other projects, use our expertise to watch the network and help in design and implementation, and keep your network always running, minimizing network downtime and increasing application performance.

Description

Private Port is a flexible, scalable and reliable private IP-based VPN service that enables you to combine your voice and data applications onto a single network. It is based on the Lumen best-in-class IP network that supports a variety of platforms, so your operations won't be limited if you have a specific vendor's equipment on your network. Private Port is the ideal environment for Voice over Internet Protocol (VoIP), video and other bandwidth-intensive business needs.

Private Port supports a variety of access types including IP access, Ethernet, Frame Relay and ATM, and it simplifies any-to-any connectivity and allows you to segment and prioritize data traffic. You'll have access to options that will ensure you have the best available technology to support your business' changing strategies.

Features

- The Lumen OC-192 IP backbone network
- Supports Layer 1 and multiple Layer 2 access types.
- Flexible QoS functionality—8 priority queues
  - 15 templates
  - 4 queuing methods
- Performance management 24/7/365 by Lumen skilled operations engineers using automated surveillance tools – continuous, proactive network monitoring and real-time notification of managed devices to support your network performance at a level that meets or exceeds your needs..
- Configuration management –configuration faults and changes to ensure integrity.
- Comprehensive SLAs
- Any-to-any connectivity
- Flat-rate, tiered and use-sensitive billing options (use-based billing not available on Private Ports using VPLS as a networking type with Ethernet access)

How it works

Private Port connects your remote locations using IP/MPLS or VPLS based technology to create an enterprise-wide network designed to carry real-time and data applications over a single interface with a variety of port speeds, ranging from 56Kbps to 2.4Gbps. Customer care centers (CCCs) are available to support your needs 24/7/365. Lumen network operation centers (NOCs) have full visibility and control of the platform with 24-hour management and proactive notification* when problems occur. Choose from a variety of port speeds, ranging from 56Kbps to 2.4Gbps and Ethernet speeds of 10Mbps, 100Mbps, 100Mbps and 10Gigabit.

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The following Private port speeds are available:

- DS-1 (1.544Mbps)
- DS-3 (45Mbps)
- OC-3 (155Mbps)
- Ethernet (2-10Mbps)
- Fast Ethernet (10 -100Mbps)
- Gigabit Ethernet (100 – 1000Mbps)
- 10 Gigabit Ethernet (1000 – 10000Mbps)

2.3.12.4 Lumen IQ™ Networking And Local Access Service Exhibit

1. General; Definitions. Capitalized terms not defined herein are defined in the Agreement. Lumen QCC will provide Domestic Lumen IQ™ Networking Service and Network Management Service ("NMS") (collectively, "Service") and if elected, associated Local Access Service, under the terms of the Agreement and this Service Exhibit.

"CPE" means customer premises equipment.

"CUG" means Closed User Groups.

"Firewall" means a set of related programs, located at a network gateway server that is designed to allow or deny certain hosts or networks to speak to each other, based on a set security policy.

"IPSec" means Internet protocol security.

"Local Access Service" is the physical connection between the Service Address and the Lumen Domestic Network and includes any entrance cable or drop wire to that point where provision is made for termination of Lumen's outside distribution network facilities at a suitable location at a customer designated Service Address and will be installed by Lumen to such point of termination. Local Access Service will extend to and include the equipment maintained by Lumen at the termination point of the local loop at the applicable Service Address (i.e., Demarcation Point) but will not include CPE, Extended Wiring, inside wiring, or other equipment not maintained by Lumen at a Service Address.

"Mail Bagging" is the process of storing e-mails for later delivery when Customer's primary mail server is unavailable.

"MPLS" means Multi-Protocol Label Switching.

"NOC" means Network Operations Center.

"Out-of-Band" means a connection between two devices that relies on a non-standard network connection, such as an analog dial modem, which must be a Lumen certified 56k external modem.

"POC" means point of contact.

"Net Rate" is in lieu of all other rates, discounts, and promotions.

"Port" means a Lumen IQ™ Networking Internet Port or Private Port.

"Pricing Attachment" means a document containing rates specific to the Service and is incorporated by reference and made a part of this Service Exhibit.

"QoS" means Quality of Service.

"SLA" means the service level agreement specific to the Service, located at qwest.Lumen.com/legal/, which is subject to change.

"Start of Service Date" means the earliest to occur of: (a) the date on which Customer begins to utilize the Service; or (b) five days following the date on which Service is made available for use by Customer unless Customer notifies Lumen before this date that the Service or the Lumen interexchange carrier service or IP service on the Lumen Domestic Network ("Dedicated Service") associated with the Service does not meet the applicable performance specifications, if any. If Customer notifies Lumen that the Service or the associated Dedicated Service fails to meet the performance specifications, Lumen will use reasonable efforts to remedy that failure and will provide an updated Estimated Availability Date.

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"TCA" means total customer agency.

"VPLS" means Virtual Private LAN Service.

2. Service.

2.1 Description. Service is a data, IP, and a network management solution that is designed for private communications between Customer's sites or public Internet connectivity. Service includes ports, features, and network management capabilities. The rate of data transmission and features will vary depending upon the specific type of Port ordered. Service is subject to the Lumen IQ Networking SLA and the Network Management Service SLA, which provide Customer's sole remedy for any service interruptions or deficiencies. The SLAs are effective as of the first day of the second month after initial installation of Service. Lumen reserves the right to amend the SLAs effective upon posting to the website or other notice to Customer. Service does not include Local Access, which may be purchased from Lumen under a separate contract vehicle or service order. Unless the parties otherwise agree in writing, Customer has sole responsibility for ordering, securing installation and ensuring proper operation of any and all equipment required to enable Customer to receive the Service. For purposes of this Service Exhibit, "Order Form" means an electronic order confirmation process using an architecture confirmation document ("ACD") or other document that Customer and Lumen mutually agree to prior to submitting a Service order request. Subject to availability, Lumen will use commercially reasonable efforts to secure domain names and assign Internet address space for the benefit of Customer during the term. Neither Customer nor any End Users will own or route these addresses. Lumen owns all such IP addresses and, upon termination of Service, Customer's access to the IP addresses will cease. Customer understands that it cannot order international Service pursuant to this Service Exhibit.

2.2 Ports. Ports are available in a variety of speeds and in two unique Port types. Different features are included within each Port type. The two Port types are:

(a) Internet Port. Internet Ports provide Customer locations with connectivity to the Internet. If Customer is using frame relay access to an Internet Port, Customer is permitted to burst beyond the applicable Committed Information Rate ("CIR") to full Port speed based upon bandwidth availability.

(b) Private Port. Private Ports provide WAN connectivity between Customer locations. Customer may allocate traffic to point-to-point layer 2 VPLS or layer 3 MPLS connections with template-based Service QoS traffic prioritization (a description of QoS features is available upon request). Ethernet Private Ports carrying any real-time traffic (e.g., voice, video) that require QoS are subject to access limitations. For real-time traffic, Lumen recommends using (i) ELA over SONET access with a Gigabit Ethernet handoff and a Gigabit Ethernet interface on the Private Port; or (ii) ELA Native Premier access, which may be used with 10, 100, or 1,000 Mbps Private Ports, but is subject to availability. If there is no real-time traffic, Customer may request QoS for Private Ports that use ELA Native Basic access, but if packet loss on ELA Native Basic access circuits causes unacceptable application performance, Customer's only remedy is to upgrade to ELA over SONET 1,000 Mbps or to ELA Native Premier access; these upgrades are subject to the terms and conditions of the Local Access Service Exhibit, including applicable construction and/or other third-party charges as a result of upgrading to a different access type. Private Ports may have traffic allocated to a maximum of five different point-to-point layer 2 VPLS instances, or layer 3 MPLS CUGs. Private Ports with VPLS are supported on Lumen-certified Cisco equipment and are limited to the following connection and encapsulation methods: Ethernet 10 Mbps, 100 Mbps, 1000 Mbps with Ethernet encapsulation; DS1 and DS3 with Frame Relay encapsulation, and OC3 with ATM encapsulation. The following features are not available with Private Ports with VPLS: (i) usage reports; (ii) the Precise Burstable or Data Transfer pricing methodologies; (iii) the SLA's Reporting Goal; (iv) VPN Extensions; and (v) End-to-End Performance Reporting.

2.3 Secure IP Gateway. Secure IP Gateway ("SIG") is an optional feature that is available with Enhanced Ports. Secure IP Gateway brings more functionality to Enhanced Port(s) by adding a network-based firewall feature. SIG enforces Customer-defined Network Address Translation ("NAT") policies and firewall rule sets.

2.4 Mail Bagging. Customer may order Mail Bagging in connection with Internet Ports. Mail Bagging automatically attempts to send any stored e-mails to Customer for up to 72 hours, after which the stored e-mail will be deleted. Mail Bagging is provided on a month to month basis and either party may cancel the feature with 30 days written notice to the other party. Mail Bagging is not subject to the SLA. Lumen reserves the right to modify the Mail Bagging service, including without limitation, rates and charges, upon 30 calendar days prior notice to Customer.

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2.5 End-to-End Performance Reporting. Customer may order End-to-End Performance Reporting in connection with Private Ports and the Private Port functionality of Enhanced Ports, except for Ports with VPLS. The End-to-End Performance Report feature collects data from Customer's traffic within its CUGs and measures availability, jitter, latency, and packet delivery between Customer's edge routers, between Lumen's routers, and between Customer's edge routers and Lumen's routers. End-to-End Performance Reporting is provided on a month-to-month basis and either party may cancel this feature with 30 days' written notice to the other party. If Customer chooses to order End-to-End Performance Reporting, Customer must order it for all of its Private Ports and/or Enhanced Ports, and Customer agrees to include Lumen as a member of each CUG. Lumen will provide reports to Customer in the Control Center portal. The data contained in the End-to-End Performance Reporting is measured differently than the goals contained in the SLA. This data is for informational purposes only and will not entitle the Customer to any SLA credits.

2.6 Multicast. Multicast is an optional feature that enables IP multicast on the Lumen IP network and is available with Private Ports and the Private Port functionality of Enhanced Ports. Customer must configure its Customer Edge ("CE") devices with Lumen-designated multicast protocol specifications. Lumen allows up to ten sources of multicast traffic per Customer, but Lumen may permit a limited number of additional sources on an individual case basis and at its discretion. Customer must use the Lumen-designated IP address range for Customer's multicast applications.

2.7 VPN Extensions. A VPN Extension is an optional feature that is available with layer 3 MPLS Private Ports and Enhanced Ports. VPN Extension options consist of: (a) a Lumen-Managed VPN Extension or (b) a Customer-Managed VPN Extension, as described below. VPN Extensions are used to extend Customer's Layer 3 MPLS CUGS to Customer locations that are not served by Lumen's MPLS network ("Remote Location") by using Ipsec over the public Internet. An Ipsec tunnel is established between the Remote Location CPE and the Lumen Ipsec device. Customer must obtain Lumen IP access or contract with a third-party ISP for IP connectivity that includes a static public IP address. The following features are not available with VPN Extensions: (i) End-to-end Performance Reporting; (ii) QoS for outbound traffic that has left the CUG and is destined to a VPN extension; (iii) VPLS; and (iv) Multicast. VPN Extensions are not subject to the SLA. Lumen does not guarantee that data is delivered or that a user is given a guaranteed quality of service level or a certain priority. VPN Extensions require CPE and may require optional management services that are not provided as part of Lumen IQ Networking Service. VPN Extensions are provided on a month-to-month basis and either party may cancel this feature with 30 days' written notice to the other party.

(a) Lumen-Managed VPN Extension. A Lumen-Managed VPN Extension consists of a managed firewall solution or a router solution. For purposes of this Service Exhibit, a Lumen-Managed solution means that Customer must (i) currently have or concurrently order separate Lumen Managed Firewall-VPN Service, or (ii) if Customer uses NMS for the Lumen-managed solution, Customer will pay the applicable NMS MRC in addition to the VPN Extension MRC. A firewall-based solution requires Customer to use the Lumen Managed Firewall-VPN Service, which provides the firewall that is located at Customer's Remote Location and the management of the Ipsec tunnel between the firewall and the Lumen Ipsec device. A router solution requires Customer-Provided CPE (defined below) that is located at Customer's Remote Location, and Customer must use NMS for the management of the Ipsec tunnel between the Customer-Provided CPE and the Lumen Ipsec device. Managed Firewall-VPN Service is not included as part of Lumen IQ Networking Service and must be ordered separately.

(b) Customer-Managed VPN Extension. A Customer-Managed VPN Extension means that Customer will supply and manage the Customer-Provided CPE that is located at Customer's Remote Location, and Customer will manage the Ipsec tunnel between the Customer-Provided CPE and the Lumen Ipsec device. A customer's use of Lumen technical support in connection with VPN Extensions is limited to Lumen facilitating the Ipsec connection between Customer-Provided CPE and the Lumen Ipsec device. Lumen will provide Customer with detailed configuration information for Lumen-approved Ipsec-enabled Cisco routers (more detailed information is available upon request). The customer is entirely responsible for all router configuration requirements for Customer Managed VPN Extensions. This includes all configuration of access control lists and applicable LAN/WAN interfaces. Customer will purchase and support the CPE at its location. Lumen will facilitate Customer's Ipsec connection between the CPE and the Lumen Ipsec device.

(c) Customer-Provided CPE. "Customer-Provided CPE" means equipment, software, and/or other materials that are provided by Customer (including CPE that Customer purchases from Lumen under a separate service offering) or any other third party for use with the VPN Extension Service by Customer. Customer may use

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Customer-Provided CPE with VPN Extension Service upon approval by Lumen. All Customer-Provided CPE must comply with the Lumen service configurations. The Customer-Provided CPE will be installed as designated by Lumen or as otherwise agreed upon by the parties. Customer will be solely responsible, and Lumen will have no responsibility or liability, for the installation, operation, maintenance, use and compatibility of Customer-Provided CPE. Customer will cooperate with Lumen in setting the initial configuration for the Customer-Supplied CPE interface with the VPN Extension Service and comply with Lumen's instructions in connection therewith.

(d) Excluded Services. Lumen will not debug problems on, or configure any internal or external hosts or networks (e.g., routers, DNS servers, mail servers, WWW servers, and FTP servers, etc.) All communication regarding the Lumen VPN Extension service will be between Lumen and a Customer-approved site contact that has relevant experience and expertise in Customer's network operations.

2.8 Key Port. Customer may choose to designate one Key Port within its IQ Networking network topology by notifying Lumen in writing of that request. A "Key Port" is a Lumen IQ Networking Port that must be available on the network before adding additional Lumen IQ Networking Port locations. If Customer designates a Key Port, the installation of the Key Port will determine the timelines for the installation of related domestic non-Key Port Lumen IQ Networking Ports.

2.9 Network Management Service. NMS is a Lumen network management service, offering performance reporting, change management, configuration management, fault monitoring, management and notification of CPE and network related issues. NMS does not include new CPE initial configuration, lab testing, lab modeling, or on-site work of CPE. NMS management types associated with Lumen IQ™ Networking Ports include Select Management and Comprehensive Management. Customer may also request NMS management features for devices not associated with a Lumen IQ Networking Port. Lumen will provide NMS Select Management with each Lumen IQ Networking Port unless Customer elects to (a) opt out of Select Management for that Port, or (b) use Comprehensive Management for that Port. Customer must proactively notify its Lumen sales representative if Customer elects to opt out of Select Management for a particular Port. The NMS management types are set forth in more detail below:

(a) Select Management. Select Management includes: 24x7x365 remote performance monitoring, reporting, and ticketing via NMS online Web site. Select Management also includes complete fault monitoring, management, and notification (detection, isolation, diagnosis, escalation and remote repair when possible) change management* (up to 12 changes per year), asset management (device inventory), and configuration management (inventory of customer physical and logical configuration). Select Management only supports basic routing functions. Please reference the NMS supported device list to determine which devices qualify for NMS Select.

* NMS standard change management list is available on request from your Lumen sales representative and is subject to change without notice to Customer.

(b) Comprehensive Management.

(i) Includes all the Select Management features as well as TCA. With TCA, NMS acts as the Customer's single POC in managing the resolution of all service, device, and transport faults. With TCA, NMS will work with any third-party hardware and/or transport providers the Customer has under contract until all network issues are successfully resolved.

(ii) With IPSec, Lumen NMS engineers will configure full mesh, partial mesh, or hub-and-spoke topologies with secure tunnels for remote communication between Customer locations. IPSec opportunities greater than 25 devices require Lumen approval before submitting an Order Form. IPSec is only available standard on approved Cisco and ADTRAN devices. All other manufacturers require Lumen NMS approval before Lumen will accept Customer orders.

(iii) NMS Comprehensive includes fault, configuration, and change management* (up to 24 configuration changes per year) of complex routing functions within routers, switches, and Firewall modules. This includes configuration and management of complex routing, switching, device NIC cards, Firewall module configurations, and basic router internal Firewall functions.

* NMS standard change management list is available on request from your Lumen sales representative and is subject to change without notice to Customer.

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(c) Monitor and Notification. Monitor and Notification is an optional NMS feature that can be used for Customer-owned devices that do not support SNMP and are not connected to any Lumen IQ Networking Ports. NMS will monitor the Customer device(s) 24x7x365 for up/down status and notify Customer of faults ("Monitor and Notification"). Customer is responsible for any trouble shooting and repair of Customer-owned devices. This service is a base-line service and does not include any of the services listed under Select Management or Comprehensive Management other than described in this paragraph.

(d) Lumen Responsibilities.

(i) Lumen will provide Customer with a non-exclusive service engineer team, which will maintain a customer profile for the portion of the Customer's network where the Lumen-managed devices reside. Lumen will work with the Customer to facilitate resolution of service-affecting issues if Customer chooses either Select Management or Comprehensive Management.

(ii) Customer may submit, for no additional charge, a limited number of change management requests via Control Center at https://controlcenter.Lumen.com. A list of standard change management options is available upon request from your Lumen sales representative.

(e) Customer Responsibilities.

(i) Customer will, in a timely manner, provide all information and perform all actions reasonably requested by Lumen to facilitate installation of NMS. If Customer chooses to limit or restrict Lumen's read/write access to a device, Lumen will no longer be able support configuration back-ups. Customer will have to reinstate read/write access before Lumen can support any Customer request for configuration support and back-up. Service-related outages requiring access to the device for troubleshooting and repair purposes will impact the eligibility of any associated SLA service credits. Customer will be responsible for supporting Lumen in access, troubleshooting, and configuration requests made in accordance with normal troubleshooting and repair support activities. For Out-of-Band management related to fault isolation/resolution, Customer will provide and maintain a POTS line(s) for each managed device. Additionally, Customer will provide a dedicated modem for each managed device. It is not mandatory that Customer have a POTS line, but Customer must understand that Lumen will NOT be able to troubleshoot issues if the device under management cannot be reached.

(ii) For Comprehensive Management, Customer authorizes Lumen to act as the Customer's agent solely for the purpose of accessing Customer's transport services to provide NMS, pursuant to the attached Letter of Agency (Attachment 1). Customer must execute the Letter of Agency prior to Lumen providing NMS. Failure to do so will materially impair Lumen's ability to provide NMS and will be deemed cause for canceling NMS by Lumen. Lumen will not act as Customer's agent for Select Management or Monitor and Notification options.

(iii) Depending on transport type, Customer's managed devices must comply with the following set of access requirements: (a) for NMS delivered via IP connectivity with an Internet Port and/or other public Internet service, devices must contain an appropriate version of OS capable of establishing Ipsec VPNs; and/or (b) for NMS delivered with a Private Port, Lumen will configure a virtual circuit, at no additional cost to Customer which will be used to access Customer device. Lumen will add the NMS NOC to the customer CUG to manage the devices within the customer's network. With Private Port, the Customer device does not need to be IPSec-capable unless Customer is requesting an added layer of security.

(iv) Customer must provide a routable valid IP address to establish the NMS connection and Customer's primary technical interface person must be available during the remote installation process to facilitate installation of NMS. All Customer devices managed under this Service Exhibit must be maintained under a contract from a Lumen approved on-site CPE maintenance provider. The response times for which the Customer contract with their CPE maintenance provider will affect Lumen's timing for resolution of problems involving Customer-provided devices. The performance of the CPE maintenance provider is Customer's responsibility. Customer will furnish all information reasonably required by Lumen prior to the remote installation phase of NMS to enable Lumen to provide NMS.

(f) Availability.

(i) A current list of devices supported with Lumen management systems is available upon request from your Lumen sales representative. The supported device list is subject to change by Lumen. Please ensure the Customer device is supported before placing an order for NMS.

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(ii) Service is available with all Lumen IQ Networking Port types.

(iii) NMS can also manage third party data and IP transport services. Lumen must approve this option before Customer submits any orders for third party device management.

3. Additional Disclaimer of Warranty. In addition to any other disclaimers of warranty stated in the Agreement, Lumen makes no warranty, guarantee, or representation, express or implied, that all security threats and vulnerabilities will be detected or that the performance of the Services will render Customer's systems invulnerable to security breaches. Customer is responsible for Customer's own network security policy (including applicable firewall and NAT policies) and security response procedures.

4. Term; Cancellation.

4.1 Term. Each Port (and NMS and/or Local Access Service, if applicable) will have a minimum term equal to that stated in the associated pricing table ("Service Term"). Each Service Term will commence on its Start of Service Date. Upon expiration of a Port's Service Term, Service will remain in effect on a month-to-month basis until canceled by either party with 60 days' notice. Customer will remain liable for charges accrued but unpaid as of the cancellation date of Service.

4.2 Cancellation. Either party may cancel a Port (and associated NMS and/or Local Access) by providing notice of such cancellation to the other party at least 60 days before the requested date of cancellation. If NMS and Local Access are associated with a Port, both the Port, NMS and Local Access Service Terms and cancellations must be at the same time.

(a) Cancellation Before the Start of Service Date. If Customer cancels Local Access Service (specifically Leased Access and/or On-Net Access) for which no Construction by Lumen is necessary before the Start of Service Date, Customer will pay a cancellation charge, based on the bandwidth of the canceled Leased Access and/or On-Net Access Service as follows: DS-0 Leased Access -$150 NRC, DS-3 or greater-$500 NRC. If before the Start of Service Date, Customer cancels Local Access Service (Leased Access and/or On-Net Access) circuit for which Customer accepted a Construction fee, Customer will pay: (i) the cancellation fee identified below based on the bandwidth of the On-Net Access or Leased Access Service canceled; (ii) Construction charges; and (iii) any Lumen-incurred cost to provide the Service.

(b) Cancellation after Acceptance Prior to Conclusion of Applicable Service Term. If before the conclusion of the Service Term or Upgrade Service Term (as described in the "Upgrades" section), Customer cancels a Port (and NMS and Local Access) for reasons other than for Cause or Lumen cancels a Port (and NMS) for Cause, Customer will also be liable for: (i) 100% of the balance of the Port and NMS MRCs that otherwise would have become due for the unexpired portion of the first 12 months in the Service Term (or Upgrade Service Term), if any; (ii) 35% of the balance of the Port and NMS MRCs beyond the first 12 months that otherwise would have become due for the unexpired portion of the Service Term (or Upgrade Service Term); and (iii) if the Port and NMS has not remained installed for at least 12 months, the amount of any NRCs discounted or waived (collectively the "Cancellation Charges").

4.3 Cancellation Charge Waiver.

(a) Upgrades. Lumen will waive the Cancellation Charges if Customer: (i) upgrades the Port to a higher bandwidth (e.g., from a DS1 to a DS3) within the same pricing methodology; or (ii) upgrades the Port type to a higher Port type (e.g., from an Internet Port to a Private Port or an Enhanced Port) within the same pricing methodology. All upgraded Ports must start a new Service Term of the same length as the Port's initial Service Term ("Upgrade Service Term"). If Customer cancels the upgraded Port before the completion of the Upgrade Service Term, Customer will pay the Cancellation Charges set forth in the Cancellation Section above. In some cases, an upgrade to a Port may trigger a Local Access charge under the Local Access Service Exhibit. If Customer upgrades to a Lumen IQ Networking Port with a different bandwidth or Port type than those contained in the current Pricing Attachment, Customer must enter into a separate written amendment.

(b) Migration to Other Lumen Services. Lumen will waive the Cancellation Charges if Customer migrates the Port to new Analog VoIP Service, Integrated Access Packages, Managed VoIP Bundle, or Data Bundle Solutions (a "New Service") as long as: (i) the New Service's MRC is equal to or greater than the combined MRCs of the Port and the associated Local Access Service being terminated; (ii) the New Service's minimum service term is at least as long as the then-remaining Service Term of the Port being terminated; and (iii) the New Service is available. Customer must execute an amendment adding applicable service exhibits and offer attachments to

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the Agreement (unless Customer's Agreement already includes such documents), as well as any Order Forms required to accomplish the migration to the New Service. Customer might also be required to amend the Agreement to increase the Agreement Term to a two- or three-year Term to meet the term requirements of the New Service. The migrated service will then be governed by its new terms and conditions as amended.

5. Charges.

Customer will pay all applicable MRCs and NRCs set forth in the accepted service order. Charges will commence within five days after the Start of Service Date. Customer may order multiple Ports with multiple pricing methodologies in accordance with the pricing methodologies set forth below. Customer may not change the pricing methodology (e.g., from Flat Rate to Precise Burstable) of a Port. The rates set forth in the Pricing Attachment do not include any costs associated with Local Access, CPE, or any other Services used in conjunction with Lumen IQ Networking Service or NMS, all of which are additional. Lumen may change rates after the completion of a Port's Service Term with 60 days' notice. Some Port types or Port speeds may not be available in all areas or with certain types of access. The Net Rate MRCs set forth in the Pricing Attachment will be used to calculate Contributory Charges.

5.1 Pricing Methodologies.

(a) Flat Rate. The Flat Rate pricing methodology bills Customer a specified MRC for a given Port speed regardless of Customer's actual bandwidth utilization.

(b) Tiered. The Tiered pricing methodology caps Customer's bandwidth at the tier specified on an Order Form and bills the Customer a fixed MRC based on that bandwidth tier regardless of Customer's actual bandwidth utilization. No more than once per month, Customer may change its specific bandwidth tier (e.g., 192 Kbps to 384 Kbps, 384 Kbps to 256 Kbps) within the applicable Port classification (e.g., DS1, DS3), provided that Customer may not change its bandwidth from one Port classification to another (e.g., DS1 to DS3).

6. E-mail Notification.

Customer acknowledges and agrees that Lumen may contact Customer via e-mail at the e-mail address provided to Lumen when Customer ordered the Service for any reason relating to the Service, including for purposes of providing Customer any notices required under the Agreement. Customer agrees to provide Lumen with any change to its e mail address.

7. AUP.

All use of the Services must comply with the AUP, posted at qwest.Lumen.com/legal/ and incorporated by reference into this Service Exhibit. Lumen may reasonably modify the AUP to ensure compliance with applicable laws and regulations and to protect Lumen's network and customers, and such change will be effective upon posting to the Web site. Any changes to the AUP will be consistent with the purpose of the AUP to encourage responsible use of Lumen's networks, systems, services, Web sites, and products.

8. Letter of Agency.

If required to implement the foregoing services, Customer shall provide to Lumen a limited letter of agency ("LOA") hereby authorizes Lumen to act as the Customer's Agent for the limited purpose of contacting Customer's designated Local Exchange Carrier ("LEC"), Interexchange Carrier ("IXC"), Internet Service Provider ("ISP"), and/or Customer Premises Equipment ("CPE") Maintenance Provider in conjunction with Lumen Network Management ("Service"). Service activities will consist of working with Customer's LEC, IXC, ISP, and/or CPE Maintenance Provider for the purpose of: (a) extracting information concerning transmission data elements carried over Customer's network connection; (b) identifying Customer's links or data link connection identifiers ("DLCIs"); (c) opening, tracking, and closing trouble tickets with the LEC, IXC, ISP, or CPE Maintenance Provider on Customer's transport links or CPE when an alarm or fault has been detected; (d) dispatching CPE Maintenance repair personnel on behalf of Customer to CPE for which a fault has been detected; and (e) discussing fault information with the LEC, IXC or CPE Maintenance Provider on behalf of Customer to facilitate resolution of the problem. Lumen does not assume any of the Customer's liabilities associated with any of the services the Customer may use. Lumen assumes no liabilities in its performance of duties under this LOA.

9. Local Access.

Lumen is providing Local Access Service with the foregoing Port; the following shall apply:

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9.1 Types of Service. Lumen provides two types of Lumen Local Access Service:

(a) Lumen Provided Access. May be either Leased Access or On-Net Access. "Leased Access" means local backbone access circuits ordered and leased by Lumen from another carrier (specific carrier chosen is at the discretion of Lumen).

"On-Net Access" means local backbone access circuits provided solely on Lumen owned and operated facilities. On-Net Access may also include connections to a third-party provider where Lumen coordinates the connectivity between Lumen facilities and a third party provider's facilities (with whom Lumen is interconnected). The customer must be located in a Lumen-designated On-Net Access building that is capable of providing and has been made generally available for such connections. "ELA" means Ethernet Local Access, which is Lumen Provided Access, Customer Provided Access per a valid CPA-DIF or CPA DIE Addendum, or Cross Connect Access using Ethernet technology. ELA is available at bandwidths varying from 1 Mbps to 1,000 Mbps (1G) and 10G (Cross Connect Access only). ELA is available in the following options: Native Basic, Native Premier, over SONET, or Ethernet Virtual Access ("EVA"). "Native Basic" is a layer 2, switched, native service utilizing a commercially reasonable approach. "Native Premier" is a layer 2, switched, native service, but will utilize the highest-grade metro Ethernet offering from the provider. Native Premier is only available with Lumen IQTM Networking Enhanced Port with Secure Internet Gateway ("SIG") and Lumen IQ Networking Private Port, and the Native Premier circuit speed must match the maximum Lumen IQ Networking Private Port or Enhanced Port with SIG bandwidth. Native Premier may be used to support QoS for real time traffic. "ELA over SONET" is a layer 1, SONET-based service. EVA is a layer 2, Ethernet-based service that utilizes Lumen network assets to provide customers with a premium non-oversubscribed connection with Fast E and Gig E connection types. On-Net Access is subject to the On Net Service Level Agreement located at http://qwest.Lumen.com/legal/, which is subject to change.

(b) Cross-Connect Access. Customer must have an in-effect Telecommunications Collocation License Agreement, an in effect Direct Connect Agreement with Lumen, or an in effect Savvis Service Exhibit to receive Cross-Connect Access. All Direct Connects require: (i) splicing of Customer and Lumen fibers; (ii) cross-connection of individual circuits; and (iii) an executed Direct Connect Agreement. All Savvis Access Cross Connects: (vi) in effect Savvis Service Exhibit; and (v) in effect Lumen IQ Networking Service Exhibit. "Savvis Access" means Cross Connect Access for providing connection between cybercenters and a Lumen IQ Networking port available in bandwidths of 100 Mbps, 1G, and 10G.

9.2 RSS. Customer understands that Service is an interstate telecommunications service, as defined by Federal Communications Commission regulations and represents that during the Term, more than 10% of its usage will be interstate usage.

9.3 Cancellation. For month-to-month voice loops and Savvis Access, if Customer or Lumen cancels Service, Customer will pay all amounts owing up through the date of cancellation. For all other access types:

(a) Leased Access and On-Net Access—Cancellation Before the Start of Service Date.

Leased Access and On-Net Access Service Bandwidth†	Before Start of Service Date Cancellation Fee
DS0 (Leased Access only), DS1, DSL Local Access speeds up to 1536 Kbps/1.024 Mbps, Frame Local Access speeds up to 1.5 Mbps	$150 NRC
DS3, Ocn, DSL Local Access speeds greater than 1536 Kbps/1.024 Mbps, Frame Local Access speeds greater than 1.5 Mbps; all ELA speeds, all Wavelength Local Access speeds	$500 NRC

†Includes all types of Service Technology unless otherwise noted.

(b) All Access Types—Cancellation After Start of Service Date. If this Exhibit or a particular Service, including circuit that is part of a Local Loop Move, is canceled for reasons other than by Customer for Cause, before the conclusion of the Service Term, Customer will pay: (i) all accrued and unpaid charges for the canceled Service provided through the effective date of such cancellation; (ii) the amount of any nonrecurring charges that Lumen discounted or waived; (iii) all installation or Construction costs and expenses incurred by Lumen to install such Service, if applicable; and (iv) a Cancellation Charge (the full Cancellation Charge applies during the initial Service Term, but during a renewal Service Term, only the Construction portion of the Cancellation Charge applies). The Cancellation Charge for canceled circuits is: (v) 100% of the balance of the MRCs that otherwise would have become due for the unexpired portion of the Minimum Service Term, if any; plus (vi) 35% of the balance of the MRCs that otherwise would have become due for the unexpired portion, if any, of the Service Term

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beyond the Minimum Service Term; plus (vii) for canceled circuits that required Construction: 100% of the balance of any unpaid, including any waived, Construction charges. Qwest will waive the Cancellation Charges for a canceled Qwest Provided Special Access circuit if it is DS-3 or less, as long as: (viii) the canceled circuit is not part of a bundle or package offering that required Customer to order the circuit with other service components; (ix) the circuit's Start of Service Date was at least twelve months prior to the requested date of cancellation; and (x) the circuit did not require any Construction or capital expenditure by Qwest to initially provide Service to Customer. This limited-service cancellation right will not waive Customer's responsibility for maintaining sufficient Contributory Charges to meet or exceed the Revenue Commitment.

(c) Upgrades for Lumen Provided Access Service. Notwithstanding anything to the contrary in this Cancellation section and subject to availability, Customer will not be required to pay Cancellation Charges when Customer upgrades existing Lumen Provided Access (the "Existing CLPA Service") with new Lumen Provided Access Service along the same physical or logical route, at a higher Service speed, and with the same third party local access provider (the "Upgraded CLPA Service"), but Customer must pay for Construction or other third-party charges related to the Existing CLPA Service, if any, not paid previously by Customer. The Upgraded CLPA Service will have a new Service Term beginning on the date of installation. If the physical route is changed to a logical route or vice versa when Customer upgrades Existing CLPA Service to new Lumen Provided Access Service, Customer must pay Cancellation Charges; Customer must also pay for Construction or other third-party charges related to the Existing CLPA Service, if any, not paid previously by Customer.

9.4 Local Access Charges. Customer will pay the MRCs and NRCs set forth in the RSS and/or in a Lumen-accepted Order Form for Service, including all applicable ancillary service charges. If during the provisioning of Service, Lumen incurs additional NRCs for Construction, Extended Wiring, or order supplements to provide the Service, Lumen reserves the right to charge Customer for such charges. Ancillary charges before Start of Service Date, may include, but are not limited to:

(a) Construction charges may include, but are not limited to, Construction and other expenses that Lumen may incur in connection with provisioning the service (e.g., special arrangements of LEC facilities or equipment required to activate the Service). The need for Construction is at Lumen's discretion. Construction is available for all types of Service;

(b) Extended Wiring is required when the Customer-requested Demarcation Point is not the same as the Lumen-assigned Demarcation Point. The Lumen Demarcation Point is typically located in the basement or on the first floor of a customer premises.

(c) Local Loop order cancellation applies when the Customer cancels the order before the Start of Service Date. Local Loop order cancellation is available for all types of Service;

(d) Local Loop expedite applies to orders where Customer requests the delivery of Service one or more days before Lumen's standard interval delivery date. A Local Loop expedite is only available with both Lumen Provided Access and Special Access or with both Lumen Provided Access and Ethernet Access; and

(e) Multiplexing is offered at Customer's request and where available. Lumen will multiplex lower level local access circuits into a higher local access circuit, or vice-versa, for an additional charge. Lumen offers multiplexing at CPOP, at an On-Net Access building or at an ILEC/CLEC facility providing the Local Access network. For multiplexing at a Lumen On-Net Access facility, Lumen provides multiplexed circuit handoffs to the Customer at the same On-Net Access Service Address. For multiplexing at ILEC/CLEC facility, Lumen facilitates the delivery of multiplexed circuit handoffs to the customer at a single service address or at multiple service addresses per Customer's request. Multiplexing is generally available at DS1 and Ocn circuit levels. The pricing for multiplexing at an ILEC/CLEC facility is on an individual case basis. Multiplexing is only available for this type of Lumen Provided Access: Special Access.

9.5 Grooming. If Lumen finds it necessary to groom a circuit on which Service is provided, Lumen will provide a grooming notice to Customer. For CPA dedicated facilities grooming, Customer will provide a signed LOA to Lumen so that Lumen can order the necessary changes. Within 20 calendar days of receipt of that notice, Customer will: (a) notify Lumen of its approval, which may not be unreasonably withheld; (b) state its reason for refusing; or (c) request that Lumen provide Customer with a LOA so that Customer can order the necessary changes. Customer's failure to respond within the 20-day period will constitute approval of the groom. If the groom results in Customer incurring additional NRCs from its third-party local access provider and Customer provides sufficient proof of the third-party charge, Lumen will issue a credit to Customer equal to the third-party

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NRC for each groomed circuit. If Customer refuses the groom for On-Net Access, Lumen will, upon 20 calendar day's prior written notice, cancel the Service on that circuit and assess a Cancellation Charge. When Customer does not respond to a CPA dedicated facilities grooming notice or refuses a CPA dedicated facilities groom, Customer must either: (a) provide Lumen with a LOA/CFA so that Lumen can have the third-party local access provider cancel the circuit; or (b) work directly with the third-party local access provider to cancel the circuit. If Customer does neither of these things, Lumen will pass through to Customer any costs incurred by Lumen from the third-party local access provider as a result of the circuit remaining in place. "CFA" means circuit facility assignment of the Lumen facility, as identified by Lumen, to which Customer must order local access services for connection to the Lumen Domestic Network.

Pricing: Click here to view the LUMEN IQ NETWORKING Price List

2.3.13 Lumen Dedicated Internet Access (DIA)

1. Applicability. This Service Schedule is applicable where Customer orders Lumen Internet Services (which may also be called Dedicated Internet Access, Internet Services, High Speed IP, IP Transit Services or Lumen IQ Networking Internet Port ("Internet Port") on ordering, invoicing, or other documentation). The Service is also subject to the Master Service Agreement executed between Lumen and Customer, and if none, Lumen's standard Master Service Agreement (the "Agreement"). Lumen may subcontract the provision of the Service in whole or part, provided that Lumen remains responsible for the Service to Customer as set forth herein. Capitalized terms used but not defined herein have the definitions given to them in the Agreement.

2. Service Description. Lumen Internet Services are high speed symmetrical Internet services providing access to the Lumen IP network and the global Internet ("Service"). The Service is generally available via Ethernet connections from 10/100 Mbps ports to 100Gbps ports, as well as T1/E1, DS3/E3, and SONET connections from OC3/STM1 to OC48/STM16. Additional features and functionality may include:

- IP Addresses. IP Address space with proper justification.
- Primary DNS / Secondary DNS. Primary or Secondary DNS as requested.
- Static routing / BGP peering. Static routing or BGP peering options available.
- On-line bandwidth utilization reports. On-line bandwidth utilization reports available through the customer portal.
- Basic security service. Subject to Customer having Lumen-approved routers, included as part of the Service is a one-time per 12 month period ability to request Lumen to temporarily (i.e. for up to 24 hours): (i) apply a temporary access control list (ACL) with up to 10 rules on such routers; (ii) set up firewall filters specifying Ips, subnets, ports, and protocols; and (iii) configure null routes. Requests that exceed this duration or frequency will be charged at $1000 per hour with a minimum charge of $4000.

3. Charges. Customer shall be billed non-recurring charges ("NRC") and monthly recurring charges ("MRC") for Service as set forth in an Order(s). NRC include applicable installation charges for local-access circuit, port connection, and bandwidth. MRC include local-access charges, port connection charges, and bandwidth charges. Other charges, including but not limited to usage-based charges, may apply as stated in the Order(s). The Services are available with Fixed-rate, Burstable, or Aggregate Burstable billing types.

4. Billing Types.

- **Fixed-rate.** Service with fixed-rate, flat rate, or tiered billing provides a set amount of bandwidth at a fixed-rate MRC ("Fixed- rate"). No usage element applies. Customer will not be permitted to exceed the contracted bandwidth level, provided that if Customer also orders Dynamic Capacity (where available), bandwidth and the associated charges may be adjusted as set forth in the separate terms for Dynamic Capacity.
- **Burstable.** For Service provided with burstable bandwidth, the MRC is based on Committed Information Rate ("CIR") (which is also called a Committed Data Rate ("CDR")). The CIR/CDR is the minimum Internet bandwidth that will be billed to Customer each month regardless of actual usage. Burstable usage is any usage in excess of CIR/CDR. Burstable usage charges will apply on a per Mbps basis at the rate stated in the Order. Burstable usage charges will be billed on a 95th percentile basis. Usage levels are sampled every five minutes, for the previous 5 minute period, on both inbound and outbound traffic. At the end of the bill cycle, the highest 5% of the traffic samples for each inbound and outbound will be

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discarded, and the higher of the resulting inbound and outbound values will be used to calculate any applicable usage. If available and identified in the applicable Order, a Peak Information Rate (PIR) or Peak Data Rate (PDR) may apply, which is the maximum available bandwidth.

- **Aggregate Burstable.** Burstable Services may also be provided on an aggregated basis. For Aggregate Burstable Service, the bandwidth MRC is based on the Aggregate Committed Information Rate ("ACIR") (which is also called an Aggregate Committed Data Rate ("ACDR")). The ACIR/ACDR is the minimum Internet bandwidth that will be charged to Customer each month regardless of actual usage. Aggregate Burstable Usage is any usage in excess of ACIR/ACDR. Aggregate Burstable Usage charges will apply on a per Mbps basis at the rate stated in the Order. Aggregate Burstable Usage is calculated on a 95th percentile basis across all included ports.

5. Customer Responsibilities. Customer is solely responsible for all equipment and other facilities used in connection with the Service which are not provided by Lumen. All IP addresses, if any, assigned to Customer by Lumen shall revert to Lumen upon termination of Service, and Customer shall cease using such addresses as of the effective date of termination. Unless the parties otherwise agree in writing, Customer has sole responsibility for ordering, securing installation, and ensuring proper operation of any and all equipment required to enable Customer to receive the Service.

6. On-Net and Off-net Access. Access services provided entirely on the Lumen owned and operated network ("Network") are "On-Net Access Services". Additionally, Lumen may use third parties to reach Customer's site from the Lumen Network ("Off-Net Access Services"). Local Access may be provisioned utilizing one of the following service technologies: special access, ethernet local access, or wavelength local access.

7. Converged Voice-Internet Service. Where Customer orders Internet Services bundled with Level 3 Enterprise Voice SIP Based Services only, such charges will show on the invoice as Converged Voice-Internet Service. For clarification, the Converged Voice- Internet Service is treated as a single Service and if Customer wishes to unbundle or terminate a part of the Converged Voice-Internet Service, early termination liability may apply and Customer will be required to execute new orders for the desired stand-alone Service.

8. Service Levels and Service Credits. The following service level agreements (SLAs) apply as set forth below. When Converged Voice-Internet Service is ordered, the SLAs below apply in lieu of any SLAs identified in the applicable Level 3 Enterprise Voice SIP Based Service Schedule as referenced above in Section 7.

a. <u>Availability Service Level</u>. Lumen 's availability SLA in the United States and Canada is 99.99%. Outside the United States and Canada, the availability SLA is 99.98% for On-Net Access Services and 99.9% for Off-Net Access Service.

b. <u>Network Packet Delivery Service Level</u>. The packet delivery SLA on the Lumen Network is 99.95%.

c. <u>Network Latency Service Levels.</u> The latency SLAs on the Lumen Network are set forth below and are average round-trip.

Table A: Network Latency

Route	Network Latency Metrics Round-Trip
Intra-North America	< 50 ms*
Intra-Europe	< 35 ms
Intra-Asia	< 110 ms
Intra-Latin America	< 120 ms
North America to Europe	< 80 ms**
North America to Asia	< 185 ms**
North America to Latin America	< 140ms**
Europe to Asia	< 345 ms**
Europe to Latin America	< 210 ms**
Asia to Latin America	< 315 ms**

* Additionally, add 90ms from/to the Mexico IP Hub, add 30ms from/to Hawaii, and add 25ms from/to Alaska.

** Additionally, add the applicable "intra-region" latency parameter for the region in which the applicable customer site is located

d. <u>Credits for SLAs above:</u> All SLA credits will be calculated after deducting any discounts and other special pricing arrangements. Credit percentages are applied to the MRC of the CIR/CDR rate, port charge, and local access circuits for applicable sites only. In no event will SLA credits in any calendar month exceed 100% of the total MRCs for Service hereunder for the affected site(s).

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i. Availability Service Credit: Service is "Unavailable" (except in the case of an Excused Outage) if the Customer port at a Customer site is unable to pass traffic. Service Unavailability is calculated from the timestamp Lumen opens a trouble ticket following the report of a problem by the Customer until the time the ticket is closed. If credits are due under this SLA, no other SLAs apply to the same event. If Service is Unavailable for reasons other than an Excused Outage, Customer will be entitled to a service credit off of the MRC for the affected Service based on the cumulative Unavailability of the Service in a given calendar month as set forth in the tables below.

Table B: Availability Service Credit – United States and Canada

Cumulative Unavailability (hrs :mins :secs)	Service Level Credit
00:00:01 – 00:04:18 (99.99%)	No Credit
00:04:19– 00:43:00	5%
00:43:01 – 04:00:00	10%
04:00:01 – 8:00:00	20%
08:00:01 – 12:00:00	30%
12:00:01 – 16:00:00	40%
16:00:01 – 24:00:00	50%
24:00:01 or greater	100%

Table C: Availability Service Credit – On-Net Access Services outside the U.S. and Canada

Cumulative Unavailability (hrs :mins :secs)	Service Level Credit
00:00:01 00:08:37 (99.98%)	No Credit
00:08:38– 00:43:00	5%
00:43:01 – 04:00:00	10%
04:00:01 – 8:00:00	20%
08:00:01 – 12:00:00	30%
12:00:01 – 16:00:00	40%
16:00:01 – 24:00:00	50%
24:00:01 or greater	100%

Table D: Availability Service Credit- Off-Net Access Services outside the U.S. and Canada

Cumulative Unavailability (hrs :mins :secs)	Service Level Credit
00:00:01 – 00:43:00 (99.9%)	No Credit
00:43:01 – 04:00:00	10%
04:00:01 – 8:00:00	20%
08:00:01 – 12:00:00	30%
12:00:01 – 16:00:00	40%
16:00:01 – 24:00:00	50%
24:00:01 or greater	100%

ii. Network Packet Delivery Service Credits. Packet Delivery SLAs are based on monthly average performance between Lumen designated points of presence ("POPs"). Customer will be entitled to a service credit off of the MRC for the affected Service as set forth below for the Service parameter(s) not met for reasons other than an Excused Outage. Customer will not be entitled to credits under the packet delivery SLA for the affected Service where such failure is related to Unavailability under the Availability SLA.

Table E: Packet Delivery Service Credit

Packet Delivery Metrics	Percentage Credit
99.95% or greater	No Credit
99.94% - 99.0%	10%
98.99% - 96.0%	30%
95.99% or less	50%

iii. Network Latency Service Credits. Network latency SLAs are based on monthly average performance between Lumen designated points of presence ("POPs"). Customer will be entitled to a service credit off of the MRC for the affected Service as set forth below for the Service parameter(s) not met for reasons other than an Excused Outage. Customer will not be entitled to credits under the network latency SLA for the affected Service where such failure is related to Unavailability under the Availability SLA.

Table F: Network Latency Service Credit

Delay Exceeding Network Latency Metrics	Percentage Credit
1- 10 ms	10%
11- 25 ms	30%
26 ms or greater	50%

e. Chronic Outage. As its sole remedy, Customer may elect to terminate an affected Service, or if applicable an affected Converged Voice-Internet Service, hereunder prior to the end of the Service Term without termination liability if, for reasons other than an Excused Outage, such Service becomes Unavailable (as defined

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in Section 8(d)(i) above): (i) twice during a 30-day period, and becomes Unavailable a third time within 30 days following the second event, or (ii) more than 24 aggregate hours during a 30- day period. Customer may only terminate such Service that is Unavailable as described above, and must exercise its right to terminate the affected Service under this Section, in writing, within 30 days after the event giving rise to the termination right. For clarification, termination of a Converged Voice-Internet Service will result in termination of all applicable Services bundled together as the Converged Voice-Internet Service under the Order.

f. Installation Service Level. Lumen will exercise commercially reasonable efforts to install any Service on or before the Customer Commit Date for the particular Service. This installation SLA shall not apply to Orders that contain incorrect information supplied by Customer or Orders that are altered at Customer's request after submission and acceptance by Lumen. In the event Lumen does not meet this installation SLA for reasons other than an Excused Outage, Customer will be entitled to a service credit for each day of delay equal to the charges for 1 day of the pro rata share of the MRC associated with the affected Service up to a monthly maximum credit of 10 days. For Services billed on an Aggregate CIR/CDR basis, the charges for 1 day of the pro rata share of the MRC will be calculated based on the average MRC per port for the aggregate.

9. Resale Restriction. Notwithstanding anything to the contrary in the Agreement, Customer is prohibited from reselling any Internet Service or any ports provided hereunder as a stand-alone service to a third party without the express written consent of Lumen, provided, however that Customer may bundle any Internet Service or any ports provided pursuant to this Service Schedule with any other Lumen services (to the extent resale of those service is allowed) or the services of Customer and resell such bundled service to Customer's subscribers and its customers. The Parties agree that the preceding is not applicable to Converged Voice-Internet Service, and Customer is prohibited from reselling any Converged Voice-Internet Service unless the parties enter into an amendment signed by authorized representatives of both parties.

10. Latin American Services. With respect to Services provided in Latin America, Customer agrees that it (or its local Affiliate) will enter into a separate local country addendum/agreement (as approved by local authorities) ("LCA") with the respective Lumen Affiliate which provides the local Service(s) containing terms necessary to comply with local laws/regulations, and such Lumen Affiliate will invoice the Customer (or its local Affiliate) party to the LCA for the respective local Service(s).

11. Lumen Arranged Third Party Procured Internet Services. For certain Service locations (including but not limited to where Lumen may lack relevant licenses to provide such service), Lumen may agree to arrange Internet Services using third party providers ("Third Party Internet Service"). Examples of such locations include, but are not limited to, service locations in China (excluding Hong Kong), India, Indonesia, Malaysia, New Zealand, Philippines, South Korea, Taiwan, Thailand, and Vietnam. Service options vary on a country by country basis and may include access to the Internet via overbooked and/or non-overbooked connections, DSL technology, private leased circuits (fixed or wireless), and/or satellite. Specific service details (access type, e.g. downstream/upstream speed, customer premises equipment requirements, and number of IP addresses) also differ on a country by country basis. Customer understands and acknowledges that Third Party Internet Service will, if requested by Customer, be provided by third party subcontractor(s) to Lumen and accordingly, is provided on a best effort and as-is basis. Notwithstanding the foregoing, Customer may report faults and/or outages in Third Party Internet Service to Lumen on a 24x7 basis and, in such circumstances, Lumen will contact the applicable third-party service provider with a view to restoring service as quickly as possible. Customer will reasonably cooperate with the requests of such providers of Third Party Internet Service to enable installation, maintenance, repair, and disconnection of Services. Burstable and Aggregate Burstable pricing methodologies, as well as on-line bandwidth utilization reports, are not available for Third Party Internet Service.

12. Business Contact Information. Customer must provide to Lumen the names of and contact information ("Business Contact Information") for its employees ("Business Contacts") who have purchasing or other responsibilities relevant to Lumen's delivery of international Service under this Service Schedule. Customer consents to Lumen's and its affiliates or subcontractors' use and transfer to the United States of Business Contact Information for the purpose of: (a) fulfilling its obligations under this Service Schedule; and (b) providing information to Customer about Lumen's products and services via these Business Contacts. Customer represents that the Business Contact Information is accurate and that each Business Contact has consented to Lumen's processing of their Business Contact Information for the purposes set forth in this Service Schedule. The Business Contact Information provided by Customer has been collected, processed, and transferred in accordance with applicable laws, including, where applicable, any necessary notification to the relevant data

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protection authority in the territory in which Customer is established ("Authority"). Customer will notify Lumen promptly of staffing or other changes that affect Lumen's use of Business Contact Information. Lumen will have in place technical and organizational measures that ensure a level of security appropriate to the risk represented by the processing and the nature of the Business Contact Information and that protects such information against accidental or unlawful destruction or accidental loss, alteration, and unauthorized disclosure or access. Lumen will use the information only for the express purposes set forth in this Service Schedule. Lumen will identify a contact authorized to respond to inquiries concerning processing of Business Contact Information and will reasonably cooperate in good faith with Customer and the Authority concerning all such inquiries without excessive delays.

13. Withholding Taxes. All invoices will be issued to Customer and paid in the currency specified in the Order. Customer will pay such invoices free of currency exchange costs or bank charges. Service charges are exclusive of taxes and presented without reduction for any Withholding Tax, all of which are the responsibility of the Customer. "Withholding Tax" means any amount or account of tax on sources of income which a payor is obliged to deduct from payments due to a recipient and account for or to any tax authority. In the event that any payment to be made to Lumen hereunder should be subject to reduction by reason of a Withholding Tax, Customer agrees to pay Lumen such amounts as would have been necessary so that the aggregate net amount received by Lumen after application of a Withholding Tax is the same amount as would have been received by Lumen if there had been no requirement to deduct or withhold such tax.

Pricing: Click here to view the LUMEN DEDICATE INTERNET ACCESS Price List

2.3.14 Voice Complete

1. Applicability. This Service Schedule applies to the SIP-based provisioning of Lumen® Enterprise Voice Services ("Services") and incorporates the terms of the Master Service Agreement or other service agreement under which Lumen or a Lumen affiliate provides services to Customer (the "Agreement"). This Service may be referred to as Voice Complete, SIP Trunking, Enterprise SIP Trunking, SIP Service, E-SIP Service, VoIP 19, IP LD/TF Voice, VoIP Service, VoIP Local Service, VoIP Outbound Service, VoIP Toll Free/Freephone Service, VoIP International Toll Free Service ("IFN" and "UIFN"), Outbound Long Distance, FlexVoice, and Toll Free/Freephone Service in quotes, ordering and invoicing or other service related documentation. All capitalized terms that are used but not defined in this Service Schedule are defined in the Agreement or Order.

2. Service Offerings. The Services are available only to single, distinct enterprises who will utilize the Service for customary, normal, and reasonable business use within such enterprises. These Services may not be resold or bundled into Customer's offerings for sale to Customer's customers. Telephony equipment and applications are not provided as part of the Service and are Customer's responsibility, including but not limited to handsets, phone sets, key systems, PBXs, IP PBXs and server based applications.

Voice Complete is the SIP-based provisioning of inbound local calling and toll free/freephone capabilities and outbound local, domestic, national, and international calling capabilities. Customers use concurrent call paths ("CCPs") each of which enables a single call to be carried across the network. CCP capacity provided in association with Voice Complete can be used in a shared manner across multiple Customer locations.

SIP and Enterprise SIP or E-SIP Service is the SIP-based provisioning in the United States only of inbound local and toll free calling capabilities and outbound local and long distance calling. This Service is only available for provisioning to Customers with 2 or fewer locations in the United States. CCP capacity provided in association with E-SIP can be used in a shared manner across two Customer locations.

VoIP 19 or IP LD/TF Voice or VoIP Service is the SIP-based provisioning of international toll free services including international free number ("IFN") and universal international free numbers ("UIFN"), international local inbound ("ILI"), optional SIP call transfer capability ("SIP Refer"), and long distance outbound calling capability. No local outbound calling capability is provided. Customers use simultaneous sessions each of which enables a single call to be carried across the network. Simultaneous session capacity is dedicated to a location and cannot be shared between locations.

FlexVoice provides up to 50 CCPs. It can only be provisioned in the United States for inbound local, toll free calling capabilities, outbound local, and long distance calling.

3. Rates, Charges, and Commitments.

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A. General. Customer will pay the rates and charges for the Services, including but not limited to monthly recurring charges ("MRCs"), usage charges (per call, per minute, etc.) and associated billing increments, and non-recurring charges ("NRCs") as set forth in a rate sheet, as the same may be changed as set forth in this Service Schedule (the "Rate Sheet"). If Customer is not provided a rate for a particular location and Customer originates and/or terminates calls to that location, Customer will be billed Lumen's standard usage rate for those calls at the standard minimum call durations and billing increments. Additional charges for certain activities and/or features related to the Services are captured in the Rate Sheet as ancillary fees or feature charges. The Term identified in the Rate Sheet is the "Service Term" for such Services. Notwithstanding anything to the contrary in the Agreement, billing and Service Term for the Services will commence upon the earlier of the Connection Notice or Customer's use of such Service. For clarity, if Customer uses the Services prior to the Connection Notice, Customer will be billed and will pay for billable usage and the full quantity of associated utilized MRC-based Services.

National calls may be billed on a usage basis as measured (per minute or increment) or per call, as set forth in the Rates. Such calls may also have a call minimum charge, which means Customer will be charged the higher of the call minimum charge or Customer's actual per minute charges per call.

Usage charges are based on actual usage of Service based on a call duration that begins when the called party answers, as determined by answer supervision, and ends when either party disconnects the call.

Some pricing plans may provide for zero-rated usage for calls that originate and terminate between Customer's enterprise locations which are included under a dedicated pool of CCP capacity ("Intra-enterprise") as identified on the Rate Sheet or Order.

SIP Refer calls may be billed for 2 call flows (inbound and outbound).

If Customer redirects IFN or UIFN calls to a destination that is outside the continental United States, Hawaii and Canada, then the outbound portion of all such calls will incur charges at the rate(s) identified for international termination as set out in the Rate Sheet.

If set forth in the Rate Sheet, a Call Minimum Charge means the minimum charge per call that Customer will incur regardless of the lesser number of actual minutes/seconds. Customer will be charged for the higher of the Call Minimum Charge or Customer's actual per minute call duration

In addition to such minimum commitments as stated in this Service Schedule or in the Agreement, the Enterprise SIP Services may be subject to a minimum commitment(s) (also called Minimum Usage Guarantees or "MUG") which will be set forth in the Rate Sheet(s) and/or Customer Order(s). For such Service(s) with a minimum commitment ("Committed Service"), commencing on the first full billing cycle following the Ramp Period (defined below) for such Committed Service and continuing through the longer of (i) the Pricing Term or (ii) as long as Customer continues to receive such Committed Service, Customer commits each month to use the Committed Services to amount to charges no less than the minimum commitment or MUG in monthly invoiced Aggregate VRC Charges (the "Revenue Commitment"). "Aggregate VRC Charges" will mean the charges on an invoice for (i) the monthly recurring charges and usage charges for the Committed Service and (ii) such other charges for non-voice services as may be expressly set forth in the Revenue Commitment. The Revenue Commitment is a take-or-pay commit: Customer will pay the higher of (i) Customer's actual invoiced Aggregate VRC Charges (and, if agreed applicable, other non-voice charges) or (ii) the Revenue Commitment. Customer is obligated for 100% of the Revenue Commitment and is not responsible for any separate cancellation or early termination charges for Committed Service (but will be responsible for any separate cancellation or early termination charges for other non-voice services and local access services). For purposes of this Service Schedule, the "Ramp Period" will mean the period commencing on the Service Commencement Date and expiring on the date of the second Lumen invoice for which the Service is billed.

B. Voice Complete Pricing Plans. Voice Complete pricing is Concurrent Call Path (CCP) based. Customers subscribing to the Service will select either the 1) standard plan, CCP + measured (rate per minute, call minimum, call set-up for all usage), or 2) a CCP plan that includes up to pre-defined number of minutes of national usage to a subset of pre-defined destinations per CCP. CCP Plan minutes will be aggregated across all CCPs, providing Customer with one pool of minutes. CCP plans which include a pre-defined number of minutes will be charged in accordance with the rates in the Rate Sheet for any calls in excess of such minutes. Any unused minutes will not carry over to the next month. If an optional pre-paid minute plan ("PPM Plan") is available and ordered by Customer, Customer may purchase, in advance, a bucket of minutes to a pre-defined set of

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destinations. For billing purposes, should Customer order both a CCP Plan inclusive of minutes and a PPM plan, Lumen will first decrement the CCP Plan minutes and then the PPM Plan minutes. Lumen reserves the right to add destinations to the CCP or PPM plans or modify or remove CCP Plans or PPM Plans because of regulatory and/or 3rd party cost changes, with 30 days' advance written notice.

C. Surcharges. In addition to taxes, fees and surcharges set forth in the Agreement, Rate Sheet and/or Order, Customer agrees to pay the following surcharges, where applicable, in connection with the Services:

Short Duration Call Surcharge. For any Service provided under the North American numbering plan (NANP), if the average call duration as determined over a billing month for Customer's (i) outbound calls is less than 30 seconds or (ii) toll free calls is less than 90 seconds, then an additional charge of .01 per call will be applied to all outbound long distance and toll free calls in that billing cycle month. For the purpose of this provision, average call duration will be calculated by dividing the aggregate duration of all calls of a particular Service type (i.e. long distance or toll free) by the total number of calls of that type under a specific billing account during the billing cycle month.

PIC Long Distance Service Charges. For SIP, E-SIP and FlexVoice Services provided under the North American Numbering Plan ("NANP"), Customer will pay the following PIC Long Distance Service charges, as applicable:

i. Unauthorized PIC Change. An unauthorized carrier change charge as defined on the Rate Sheet may be applied to each primary interexchange carrier ("PIC") change made without prior valid authorization. Repeated unauthorized PIC change requests by Customer may result in discontinuance of services by Lumen.

ii. PIC Change Charge. Lumen may elect to assess Customer a PIC change charge if an end user's automatic number identifier ("ANI") is changed from one interexchange carrier ("IXC") to another.

iii. Carrier Line Charge or Primary Interexchange Carrier Charge ("PICC"). Lumen may assess Customer a carrier line charge for lines moved from an IXC to Lumen.

4. Rate Changes and Termination Right.

A. Rate Changes. Rates, charges and other pricing terms may be subject to change during the term for which the Services are to be provided by Lumen to Customer. Lumen may send to Customer a notice changing rates, charges or other pricing terms as set forth in this Service Schedule, in a Rate Sheet and/or Order which may be provided as a bill insert message with Customer's invoice or other written notification, including to an e-mail address as set forth in this Section (a "Rate Change Notice"). Customer's e-mail address for purposes of Rate Change Notices is: {_____}. The rates or changes set forth in such Rate Change Notifications will take effect as stated in this Service Schedule but no sooner than 30 days following such Rate Charge Notice.

B. Limited Termination Right Related to Rate Changes. On receipt of Rate Change Notice, Customer may elect to terminate the Service provided under this Service Schedule without obligation other than to pay (i) all charges already incurred in respect of the Service up to the effective date of such termination (including as adjusted via Rate Change Notice) and (ii) any third party early termination charges incurred by Lumen in terminating any local access circuits provided to the Customer as part of the Service which are terminated under this Section.

5. Scope of Lumen Agency. In the provisioning of telephone numbers and/or in porting activities, Lumen is authorized to act as Customer's agent in placing orders with other carriers in order to provide telecommunications services, if requested by Customer. Customer will provide letters of agency or authority as needed to effectuate such authority, if required.

6. Restrictions.

A. No Resale. Notwithstanding anything to the contrary in the Agreement, the Service is a retail only service, resale of the Service in any form is strictly prohibited, and Customer may not resell or incorporate these Services into services it sells to third parties. This provision may only be changed by amendment to this Service Schedule executed by authorized parties for Customer and Lumen, no less formal consent will be binding.

B. No Non-Conforming Uses. The Service may not be used by Customer (i) to provide voice content related services such as chat lines; (ii) in connection with auto dialer applications, predictive dialers, calls to NANP 900 or 976 or similar area codes or prefixes, broadcast fax transmissions, or any other application that generates more than 10 calls per second, (iii) in connection with call center applications, and (iv) in conjunction

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with least cost routing (LCR) mechanisms. Use of the Service in violation of this Service Schedule is a "Non-Conforming Use". In addition to Lumen's other default rights, in the event of a Non-Conforming Use, Customer will be liable for the difference between the rates for conforming use and the higher rates which Lumen would have applied for Non-Conforming Use. In addition, if in Lumen's reasonable judgment (i) Customer's usage disproportionately terminates to and/or originates in high cost areas or international cell phones or (ii) Customer is using the Service for Non-Conforming Uses, Lumen may provide Customer with 3 calendar days' notice to modify traffic to correct its usage and if Customer fails to modify its traffic or correct usage as requested by Lumen, Lumen reserves the right to immediately adjust usage rates to such rate set forth in the notice or immediately terminate the Services. Customer will remain liable for all usage charges incurred prior to such termination and also for any commitments through the end of the Term on the Rate Sheet. Customer will indemnify Lumen from any claims arising as a result of any Non-Conforming Use.

7. Traffic Integrity. Customer will not: (1) re-classify or re-originate traffic or take any other action to make traffic appear as if it: (i) is anything other than the type of traffic delivered to Customer or (ii) originated from a place or on a type of equipment different from the place or type of equipment from where it, in fact, originated; or (2) modify, alter or delete in any manner calling party number information, originating point codes or any other signaling information, or call detail in connection with the transport and termination of traffic to the called party. Upon Lumen's request, Customer will certify in writing its continued compliance with this Section.

8. Fraudulent Calls and Unsupported Calls. Customer will be responsible for paying Lumen for all charges for Service, even if incurred as a result of fraudulent or unauthorized use. Lumen may, without liability, take immediate action to prevent calls which are not supported by the Service, which may harm Lumen's network or are fraudulent or suspected to be fraudulent, including without limitation, by denying Service to particular automatic number identifiers (ANIs) or terminating Service to or from specific locations. In the event Customer discovers or reasonably believes fraudulent calls being made, Customer will notify Lumen as soon as possible at +1-800-348-5457 or FraudOperationsNA@Level3.com.

9. Third Party Access Provided by Lumen. Lumen provides local access circuits (via third party providers) pursuant to the Rate Sheet only for Customer's use in connection with the Service provided under this Service Schedule. Where Customer's usage of such local access circuits falls below the minimum usage level set out below in 2 consecutive monthly billing cycles, then, notwithstanding any pricing otherwise agreed with Customer, Customer agrees to pay the charge(s) set out below in addition to any other charges payable in respect of the Service.

Local Access Circuit Type	Minimum Usage Level	Additional Monthly Charge
T-1	30,000 minutes per month	$300
E-1	30,000 minutes per month	$375
DS-3	500,000 minutes per month	$8,500

If Lumen notifies Customer of an additional charge pursuant to the previous paragraph, Customer may, by written notice, elect to terminate the applicable local access circuit, provided that if Customer elects to so terminate a local access circuit within the Service Term for which it was initially ordered, Customer agrees to reimburse Lumen for any early termination fees levied on Lumen by the third party provider of that local access circuit.

10. Additional Service Specific Terms.

A. Voice Complete and SIP Service

(i) Mobility Feature Pack. Subject to the limitations described in this Schedule, and subject to availability, Voice Complete Service may be used to serve remote worker applications. Users with the Mobility Feature Pack provisioned on their primary telephone number may originate and receive calls when away from the primary service location, as though they were physically present on the corporate LAN/WAN. For telephone numbers with Mobility Feature Pack provisioned, end users can utilize such mobility capabilities from locations with functioning broadband Internet access and PSTN telephone access. Additionally, call forwarding and remote office features, which enable the use of any PSTN phone for inbound and two-way telephone use, respectively, are included in the Mobility Feature Pack and can be used to support switched based toll-free/freephone service.

(ii) Access to Emergency Response Services.

WARNING POTENTIALLY HAZARDOUS SITUATION WHICH IF NOT AVOIDED COULD RESULT IN DEATH OR SERIOUS INJURY. PLEASE READ CAREFULLY.

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LUMEN RECOMMENDS THAT CUSTOMER AND END USERS ALWAYS HAVE AN ALTERNATIVE MEANS OF ACCESSING TRADITIONAL EMERGENCY SERVICES.

(a) Emergency Calling Capability and Customer's Obligations and Acknowledgement of Limitations. Customer will ensure that user locations are current by providing address information (also known as automatic location identification/"ALI" in North America and calling line identifier/"CLI" in Europe) to Lumen (the "Registered Location") conforming to the numbering schemes or regulatory requirements applicable to the jurisdication for the Registered Location. Customer will obtain Lumen's approval of the Registered Location prior to using the Service and update the Registered Location via the portal or other method supplied by Lumen. Customer understands that Registered Location updates do not occur immediately. Lumen will provide Emergency Calling capability associated with the Service as required by law. "Emergency Calling" is the ability to access emergency response services associated with the Registered Location, subject to each party's obligations and limitations, by dialing the relevant emergency numbers in a jurisdiction (e.g. 911, 999, 112). Customer is responsible for understanding the local jurisdictional laws pertaining to Emergency Calling, including but not limited to the requirements regarding the level of detail to be provided related to Registered Locations, assocated with the Service. Lumen specifically disclaims any such obligation.

Service provides access to emergency response services on stationary and mobile devices. When using the Service for Emergency Calling purposes, Customer's end users should always state the nature of the emergency and include their location and telephone number. Emergency response services may not be able to call the end user back if the call is not completed, dropped or disconnected, or if end users are unable to provide their phone number and physical location. Access to emergency response services may not be available under certain circumstances. *Lumen will provide labels that indicate that the emergency response services have limited availability and functionality when used with Service, and Lumen recommends that such labels be placed on or near the equipment associated with the Services. Disclosures of the general and Service-specific limitations associated with accessing emergency response services (the "Advisory") are available to Customer at http://www.Lumen.com/legal/HVIQSIP/911advisory.pdf.* ***Effective upon posting, Lumen may modify the Emergency Calling limitations or requirements provided in the Advisory if in Lumen's reasonable opinion modifications are necessary or advisable to comply with the currently evolving Emergency Calling laws, rules and regulations.*** *Customer acknowledges that it has been advised of its obligations and the emergency services limitations contained in the Advisory, and further acknowledges its understanding by signing the applicable Order for Service. Customer will notify all end users of the limitations to access emergency response services as described above and in the Advisory. Customer should provide its end users with a copy of the Advisory and the associated URL.*

(b) Limitation of Liability. LUMEN, ITS AFFILIATES, AGENTS AND CONTRACTORS WILL NOT HAVE ANY LIABILITY WHATSOEVER FOR ANY PERSONAL INJURY TO OR DEATH OF ANY PERSON, FOR ANY LOSS, DAMAGE OR DESTRUCTION OF ANY PROPERTY RELATING TO EMERGENCY CALLING. CUSTOMER WILL DEFEND AND INDEMNIFY LUMEN, ITS AFFILIATES, AGENTS AND CONTRACTORS FROM ALL THIRD PARTY CLAIMS, LIABILITIES, FINES, PENALTIES, COSTS AND EXPENSES, INCLUDING REASONABLE ATTORNEYS' FEES, ARISING FROM OR RELATED TO CUSTOMER'S FAILURE TO PREFORM ITS OBLIGATIONS ASSOCIATED WITH EMERGENCY CALLING (INCLUDING WITHOUT LIMITATION, FAILURE TO ADVISE LUMEN OF CORRECT ADDRESSES, FAILURE TO ADVISE END USERS OF ALL LIMITATIONS, FAILURE TO UPDATE THE REGISTERED LOCATION, OR USING THE SERVICE PRIOR TO LUMEN'S APPROVAL OF THE REGISTERED LOCATION).

B. Toll Free/FreePhone Service, VoIP IFN and UIFN Service.

(i) Ownership of Telephone Numbers. Lumen is the party responsible (aka responsible organization) for Toll Free/FreePhone Numbers. In the event that Customer seeks to change such designation, Customer represents and warrants that it has all necessary rights and authority necessary to do so and will provide copies of letters of authority authorizing the same upon request (and in the format requested by Lumen). Customer will indemnify Lumen and its affiliates from any third party claim related to or arising out of any such change (or request for such a change).

(ii) Porting, Number Availability and Other Restrictions. Porting by Customer of Toll Free/FreePhone Numbers pursuant to this Section will not relieve Customer of its obligations under any Commits. Lumen does not guarantee the availability of any requested Toll Free/FreePhone, IFN or UIFN Toll Free number and is not bound by any verbal confirmation to Customer of Toll Free/FreePhone number availability. Customer may not reserve or

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activate such a Toll Free/FreePhone number for the purpose of selling, brokering, or releasing the Toll Free/FreePhone number to another person for any fee or other consideration. Customer may not use numbers to run contests, campaigns, or voting or other applications that may result in usage surges, heavy traffic or network congestion. Lumen may, without liability, block any Toll Free/FreePhone number having usage surges or heavy traffic loads as determined by Lumen. If Customer does not submit a written request for the appointment of a new carrier for its Toll Free/FreePhone number(s) within thirty (30) days of termination of Service, then the number(s) will be returned to the independent administrative agency for reassignment. If at the time of cancellation or termination of Toll Free/FreePhone services, Customer owes an outstanding balance (30 days or more), then Customer's Toll Free/FreePhone number(s) will not be released to another carrier or provider. Customer acknowledges that (i) IFN or UIFN numbers may be owned by an in-country telephone provider and not the Customer or Lumen, (ii) that the supply of numbers by such provider or regulatory authority may be conditional upon Customer furnishing information, letters or other documentation and (iii) that the provider may deny the granting of a specific number and/or discontinue service related to a specific number if they do not approve of the manner or purpose for which it is used. If Customer wishes to transfer service in respect of Toll Free/Freephone numbers provided by Lumen to another carrier and the applicable provider or other regulatory authority supports portability of the applicable numbers, Customer should continue active service with Lumen until Customer's new carrier confirms that service has been transferred to avoid disruption of service. After transfer of service Customer will need to cancel service with Lumen.

(iii) Multiple Carrier Routing for US Toll Free Numbers. Customer agrees that if a US Toll Free number has multiple carrier routing capability whereby the traffic may go to Lumen and another carrier, Lumen will receive a minimum of 20% of the traffic for that Toll Free number each month or Customer will be assessed a make-up-to minimum charge equal to the difference between 20% of the total traffic for the Toll Free number expressed in US Dollars and the amount that Lumen received. If Customer overflows or re-routes a dedicated Toll Free call to a switched telephone number for termination, switched voice rates will apply to such call.

11. International Services. For Services provided outside the United States, Customer or its local affiliate may be required to enter into a separate local country addendum/agreement (as approved by local authorities) ("LCA") with the respective Lumen affiliate that provides the local Service(s). Such Lumen affiliate will invoice Customer or its local affiliate for the respective local Service(s).

12. Service Levels.

The following Service Levels apply only if Customer is the end-user of the Enterprise SIP Service and purchases either Lumen Internet or Lumen IP VPN Service (as applicable). If Customer purchases the Service as a Converged Service bundle (i.e. in the United States, specifically with Lumen MPLS Services or Lumen Internet Services), the separate service levels under those separate Service Schedules apply in lieu of the Service Levels below.

A. Availability Service Level. The Availability Service Level for this Service is 99.9% per month for Lumen Internet Service use and 99.99% for Lumen IP VPN use. Service is considered "Unavailable" if Customer is unable to initiate outbound or receive inbound calls for reasons other than an Excused Outage. An Unavailability event is measured from the time Customer opens a trouble ticket with Lumen until the affected Service is restored. Customer will be entitled to a service credit off of the monthly recurring charge ("MRC") for the affected Service based on the cumulative Unavailability of the affected Service in a given calendar month as set forth in the following table:

Internet – Cumulative Unavailability (in hrs:mins:secs)	Service Level Credit (% of MRC)
00:00:01 – 00:43:00	0%
00:43:01 – 02:00:00	5%
02:00:01 – 04:00:00	15%
04:00:01 +	25%

IP VPN – Cumulative Unavailability (in hrs:mins:secs)	Service Level Credit (% of MRC)
00:00:01 – 00:05:00	0%
00:05:01 – 04:00:00	5%
04:00:01 – 08:00:00	15%
08:00:01 +	25%

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B. Chronic Outage. As its sole remedy, Customer may elect to terminate any affected Service prior to the end of the Term without termination liability if the Service is Unavailable (as defined in subpart 12A immediately above) for more than 60 consecutive minutes in each of 3 consecutive calendar months, or for more than 24 hours in the aggregate in any calendar month. The termination right must be exercised within 30 days of the event giving rise to it.

Pricing: Click here to view the LUMEN VOICE COMPLETE Price List

2.3.15 Ethernet Line (E-Line)

Overview

Ethernet Line (E-Line) is a "next generation" business Ethernet product from Level 3 Communications that seeks to modularize the Ethernet product suite and bring it into total conformance with the emerging industry and the Metro Ethernet Forum's (MEF) standards.

E-Line is a point to point service that can traverse between any two User Network Interfaces (UNIs) between E-Line-enabled markets. Any IEEE-compliant Ethernet port can be connected to any other at any speed interval, regardless of the platform or device that enables it. The service is a true end-to-end solution; capturing premise, metro, and long-haul (where relevant) components in a simplified format and charge.

The full service is comprised of two UNIs – generally equivalent to the Ethernet port; and an Ethernet Virtual Connection (EVC) – the logical Ethernet service that connects two Ethernet ports together. E-Line can be ordered in two flavors: Ethernet Private Line (aka EPL), and Ethernet Virtual Private Line (aka EVPL).

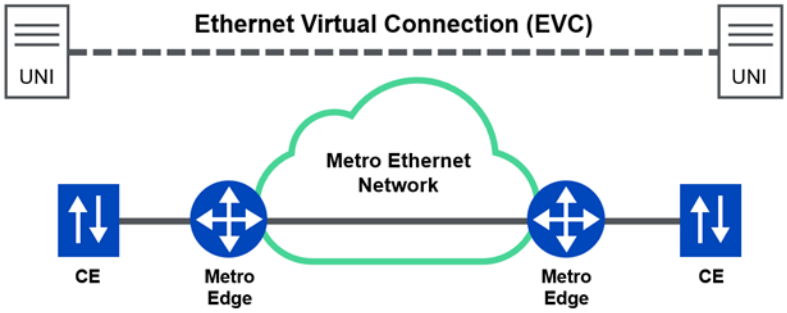
The E-Line service can facilitate both Metro and/or Inter-market EVCs from the same UNI. Level 3 Communications is not bound by the same regulatory boundaries as an ILEC, such as a LATA. The Metro EVC can be purchased in any of Level 3 Communications major POP markets, and the Inter-market EVC (referred to as either an Intra-region, Inter-region, or Hawaii span) can be purchased in all markets where the National Ethernet Network is deployed.

E-Line can be a transparent service that accepts any VLAN tagging type; or a multiplexed, VLAN-based solution with dedicated, enhanced, and/or basic options at many sub-line rate speeds. In the latter model, the EVC spans between multiplexed UNIs or ENNIs, and another UNI or ENNI. When implementing three or more physical locations, this latter option is frequently called point to multipoint, but because of its architecture, Level 3 Communications prefers to call it "VLAN-based" point to point. It often resembles a "hub and spoke" topology, where the "hub" has several VLAN-based services aggregating into a single handoff.

The E-Line product is MEF Carrier Ethernet (CE) 2.0 certified for both E-Line EVPL and EPL.

Platform Description

E-Line can be deployed over any underlying infrastructure, including a switched network, SONET, off-net TDM, DWDM, or others. In most cases, Level 3 deploys this service over the on-net switched platform wherever available because of the flexibility and efficiency of Level 3's resilient 1Gbps and 10Gbps metro Ethernet ring topology – this applies to all EVCs whether the requested bandwidth is dedicated or shared.



Metro Point-to-Point

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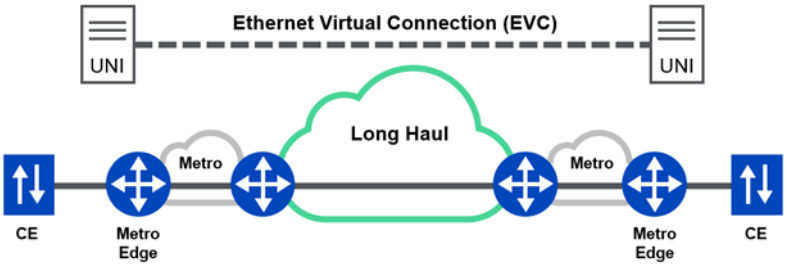

Inter-Market Point-to-Point

Figure 1: General Metro Architecture and Components.

"Basic" versus "Dedicated" versus "Enhanced"

For EVPL EVCs, the term "basic" refers to a normal, "Best Effort" quality of service, meaning the possibility that the service may be oversubscribed somewhere on Level 3 Communications infrastructure. This may include the metro Ethernet rings, the National Ethernet backbone between markets, or both. Oversubscription rates are detailed in the appendix.

"Enhanced refers to the "mid-class" quality of service offering. Enhanced EVPL EVC's can still be oversubscribed like "Basic" EVC's however traffic is marked with an internal Class of Service marking which will prioritize the customers traffic over Best Effort traffic during times of congestion. However, "Enhanced" EVC's bandwidths are not reserved and traffic will not take priority over Real-Time traffic in the network.

"Dedicated" is handled differently. A common assumption is that the word dedicated implies SONET or DWDM, but this is not necessarily the case with an EVPL or EPL EVC, nor is that stated by the MEF. Level 3 Communications generally deploys dedicated EVPL and EPL EVCs over the switched architecture with an internal Class of Service marking, as well as a configuration that literally reserves the bandwidth for that customer EVC across the network on each ring that the EVC touches. This is similar to a "real-time" class of service designation, but in addition, once it is dedicated to the customer, that bandwidth (and the corresponding CE-VLAN/s) sits in reserve whether the customer uses any of it or not. It is not necessary for the customer to mark their frames with any type of CoS marker for this dedicated service to occur.

For example, if a customer is connected into a 10Gbps Ethernet ring on-net and the customer purchases two 500M dedicated EVPL EVCs running to two distinct inter-market locations, Level 3 Communications will consume 1Gbps of the 10Gbps available on that metro ring, as well as on the National Ethernet network, and 500M on each of the other rings that each EVC traverses. This means that no matter what other services Level 3 Communications sells on that ring; the utilization, oversubscription, and other rules that might apply to a basic or enhanced service can only be measured against the remaining 9Gbps.

This "sold bandwidth" reserve methodology is made possible with a stringent capacity management policy and systems to ensure that this important function is handled seamlessly, and is backed by aggressive SLAs.

Product and Service Description

Following is a brief summary of some of the terms used throughout this document.

Ethernet Virtual Private Line (EVPL) is a data service defined by the Metro Ethernet Forum (MEF 6.1.7.2), providing a point-to-point Ethernet connection that is VLAN-based between a pair of UNIs.

EVPL service is delivered via a point-to-point EVC. EVPL allows for sub line rate speeds and Service Multiplexing; i.e., multiple EVCs or Ethernet services may be associated to each UNI or ENNI. The effect is that several EVCs on a single Ethernet port at one location can go to separate UNIs at different other locations, creating a point to multipoint, or hub and spoke, configuration.

User Network Interface (UNI) is the physical interconnect at the customer Metro Edge. The UNI has attributes that include the physical port size (100Mbps, 1000Mbps or 1Gbps, and 10000Mbps or 10Gbps), the port type (Electrical, Optical, etc.), and the type (Multiplexed or Transparent). Multiplexed is the ability of the UNI to be associated with one or more EVCs (such as when the customer wants to create a "hub") and is associated with any Ethernet service type that is "VLAN-aware", in this case EVPL. Transparent is a determination that the UNI can only be associated with a single EVC, and the EVC can transport any, all, or NO CE-VLAN tags.

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UNI Host is the term used to describe a switch, ADM, or any other device that has Ethernet ports available to serve as a UNI facing the customer. It is a generic term not applying to any specific vendor or platform type. It may have one to many UNIs for one to many customers on it, depending on the device, location, and capacity.

EVC – Ethernet Virtual Connection (EVC) is the logical service that interconnects two UNIs together. Incoming customer traffic mapped to any E-Line EVC at one UNI MUST NOT result in an egress Service Frame at a UNI other than the other UNI in the EVC. Association to more than 2 UNIs results in an E-LAN, which is a different service.

The EVC is where most of the service attributes reside. EVC attributes include the EVC Class (Basic, Enhanced, or Dedicated where relevant), Bandwidth or CIR/EIR, VLAN Switching Type (Preserve, 1:1, Bundled) and protection schemes (where relevant). Some attributes are limited by the type of UNIs they are associated with or other attributes in the EVC. The EVC is also designated with a "span" type. Level 3 defines four span types for EVPL service:

Metro – where both UNIs reside inside a single physical POP market; Intra-region – where UNIs are in different physical markets but share a common regional backbone; Inter-region – where the UNIs span across two markets and multiple regional backbone networks; and Hawaii – where one UNI is in Hawaii and the other UNI is in any other Level 3 market in the 48 contiguous states. From a pricing perspective, the EVPL EVC has one set of prices for Metro, a second set for Intra- and Inter-region (these two spans normally have the same rate structure), and a set price for Hawaii spans.

EVC bandwidth ranges in size from 2M to 10G on basic, enhanced, and dedicated services.

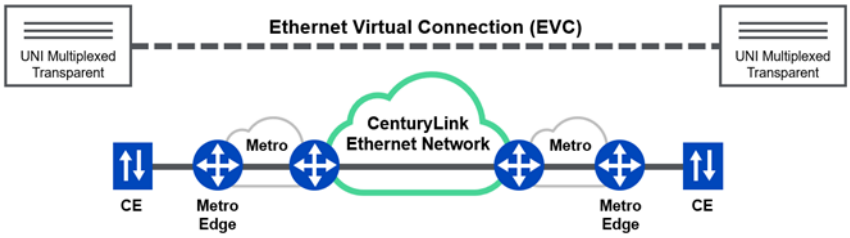

Figure 2: The EVC as the logical service connecting UNIs together

National Ethernet Network is a nationwide platform of devices that are interconnected using transport access and traffic engineered MPLS as the building blocks for the infrastructure. Each of the National Ethernet POPs are connected at speeds of 10Gbps or larger, depending on the market pairs and current traffic density. Each POP defines the edge of the National Ethernet Network with an "Ethernet Provider Edge" or E-PE. The E-Pes perform vital switching functions and pass traffic between POPs using Class of Service aware traffic engineered LSPs. Most traffic bound for another POP market aggregates into this E-PE before entering the National Ethernet Network, although some EPL traffic may pass directly over the regional intermarket transport infrastructure if that design is more efficient.

Customer Edge VLAN (CE-VLAN or "C-Tag") is a VLAN tag identifier, generally between 1-4096, from a customer's VLAN domain that may arrive at the UNI between the customer and Level 3. Depending on how the UNI is configured, Level 3 may act on the CE-VLAN or not.

Service Provider VLAN (S-VLAN or "S-Tag") is a VLAN tag identifier, generally between 1-4096, associated with a Layer 2 service and is attached to- or "stacked" on most or all customer data frames by Level 3, depending on the configuration. Unless otherwise noted, Level 3 stacks the S-VLAN on top of all customer frames for passage through the provider network, and then removes the S-VLAN before presentation of the frame back to the customer at a UNI on the other side of the EVC.

Ethernet Private Line (EPL) is a data service defined by the Metro Ethernet Forum (MEF 6.1.7.1), providing a point-to-point Ethernet connection between a pair of transparent UNIs. It is usually deployed over Level 3's National Ethernet Network.

EPL is implemented as a transparent, dedicated point-to-point EVC and does not allow for Service Multiplexing or oversubscription. It is not CE-VLAN aware.

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Multiplexing is a configuration type for a UNI or an ENNI wherein the Ethernet interface is "VLAN-aware." When a UNI is multiplexed, customers can assign as many as 50 EVCs as needed. The aggregate bandwidth of all EVCs on a multiplexed UNI must be taken into account, however. On basic and enhanced EVCs, customers can "oversubscribe" their purchased UNI by up to 4:1. For example, a basic 100M UNI could have four 100M EVCs on it, or ten 40M EVCs, and so on. The customer is responsible for managing their traffic so as not to exceed the line rate of the UNI and result in discarded frames. Doing so also voids most SLA guarantees. With dedicated EVCs, the sum of the bandwidth of all EVCs cannot exceed the line rate of the UNI. For example, a customer could purchase a 1G UNI and five 200M dedicated EVCs, but they could not attach others without decreasing the size of the existing EVCs. Furthermore, if a customer is combining basic, enhanced, and dedicated EVCs, the basic and enhanced EVCs can only be oversubscribed by the remaining amount of the UNI size after all dedicated EVCs have been subtracted from the available UNI size. For example, if a 1Gbps multiplexed UNI has a 500M dedicated EVC associated to it, the remaining 500M can be used for basic and enhanced EVCs, but no more than two (2) gigs worth.

Network Interface Device (NID) is a physical device that Level 3 deploys with each sold UNI and marks the demarc point between Level 3's network and the customer network. The NID serves many functions including support visibility and performance metrics, switching and VLAN tag features, and other items. It is important to note that the NID is not optional, and per the Terms and Conditions signed by all customers, it is the customer's responsibility to house and power any and all gear required to enable and facilitate the service at the point of demarc.

Point to Point and Point to Multipoint – Multiplexed/VLAN Based: EVPL

The E-Line service can be ordered as a multiplexed service, called Ethernet Virtual Private Line, utilizing a "VLAN-aware" configuration. This configuration allows for a customer to have multiple EVCs homed to each multiplexed UNI. Each EVC still requires two UNIs and is considered a point to point service, but customers may have multiple EVCs from diverse locations and UNIs homed to the single multiplexed UNI in a "hub and spoke" configuration. Dedicated, Basic, and Enhanced EVC options are available in all spans. The "spoke" UNIs are usually transparent, but they may be multiplexed as well, or even required. Depending on how a hub and spoke design is requested, the behavior of the CE-VLANs may change.

The customer edge VLAN (CE-VLAN or C-Tag) tagging is the basis for the service and is the determinant for what EVC a customer's traffic traverses. Customer's traffic will traverse Level 3's Metro Architecture by stacking Service VLANs (S-VLAN) onto the customer frames that allow Level 3 to segment the traffic; enabling customers to use whatever CE-VLAN they need without having to synchronize with Level 3's network. The Ethernet Provider Edge (E-PE) is a Layer 2 switching device that will perform S-VLAN translations from the Metro S-VLAN to the National Ethernet backbone LSP path and S-VLAN when an EVC spans more than one market. These translations are transparent to the customer and do not impact any CE-VLANs sent or received.

The Point to multipoint service on Dedicated, Enhanced, and Basic EVCs is available in standard bandwidths from 2 Mbps to 10 Gbps. For Basic and Enhanced EVCs, normal oversubscription rates apply for both the UNI and the ring that the service is on. While a customer can multiplex multiple dedicated EVCs onto a multiplexed UNI, the total bandwidth of all dedicated EVCs on the UNI cannot exceed the line rate of the UNI. When a multiplexed UNI has Basic and Enhanced EVCs on it, the sum of the bandwidth of all Basic and Enhanced EVCs associated with that UNI may be oversubscribed, but no single EVC may exceed the size of the UNI.

All multiplexed UNIs are currently limited to 50 EVCs that can be associated with it. This is so that the equipment at the UNI can monitor and report metrics on each EVC. If a customer wishes to exceed this number of EVCs, special arrangements can be made, but the customer will need to choose which EVCs they wish to have monitored and guaranteed by the SLA agreements.

Additionally, each EVC is limited to 63 VLAN assignments when it is on a multiplexed UNI (transparent UNIs by definition have the full range of VLANs "assigned"). This can be done as a "1 to 1" mapping (where a single CE-VLAN is mapped into a single EVC) or as a "bundled" mapping (where a range, quantity, broken range, or other combination of CE-VLANs are mapped into a single EVC). In either case, the result and quantity of all CE-VLANs and EVCs is still a single S-VLAN for all traffic coming from that UNI. Please note that when a customer requests more than one CE-VLAN for a single EVC, the far end UNI must also be multiplexed with the same CE-VLAN assignments for that EVC. When traversing between markets, CE-VLAN switching is done at the Ethernet Provider Edge after the S-VLAN is "popped."

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All onnet EVPL EVCs are network-protected, and there are no options to not protect an EVC. Level 3 defines network protection as an EVC always being provisioned over an Ethernet ring that is capable of Fast Re-route failover using RSTP (read more about RSTP here) or REP (read more about REP here) restoration protocols in the metro (convergence in 250ms or less); and when traversing between markets, the E-PE will have two physically diverse LSP paths between itself and the second E-PE in the second market. At any given moment, the EVC will only pass traffic over one LSP path, but in the event of a failure, the EVC will switch to the secondary LSP path. In those rare cases where the metro portion is provisioned over a SONET, DWDM, or other legacy platform, Level 3 ensures protection by either placing the Ethernet traffic on an appropriate and non-pre-emptive SONET path using concatenated STS channels from the UNI to the CO, or by providing "dual lambdas" from the UNI to the CO.

Pricing: Click here to view the LUMEN E-LINE Price List

2.3.16 eLynk

1. General. This Service Schedule is applicable only where Customer orders Lumen eLynk Service ("Service"). "Lumen" is defined for purposes of this Service Schedule as Lumen Communications, LLC d/b/a Lumen Technologies Group and its affiliated entities providing Services. This Service Schedule incorporates the terms of the Master Service Agreement or other service agreement under which Lumen provides services to Customer, and if none, Lumen's standard Master Service Agreement (the "Agreement"). Lumen may subcontract any or all of the work to be performed under this Service Schedule. All capitalized terms that are used but not defined in this Service Schedule are defined in the Agreement or Order.

Additional General Terms. Service charges are exclusive of taxes and presented without reduction for any Withholding Tax, all of which are the responsibility of the Customer. "Withholding Tax" means any amount or account of tax on sources of income which a payor is obliged to deduct from payments due to a recipient and account for or to any tax authority. In the event that any payment to be made to Lumen under this Service Schedule should be subject to reduction by reason of a Withholding Tax, Customer agrees to pay Lumen such amounts as would have been necessary so that the aggregate net amount received by Lumen after application of a Withholding Tax is the same amount as would have been received by Lumen if there had been no requirement to deduct or withhold such tax. For Services provided outside the United States, Customer or its local affiliate may be required to enter into a separate local country addendum/agreement (as approved by local authorities) ("LCA") with the respective Lumen affiliate that provides the local Service(s). Such Lumen affiliate will invoice Customer or its local affiliate for the respective local Service(s).

2. Services.

2.1 This Service is an Ethernet-based offering that enables interconnections with Cloud Providers and to other destinations where one or both of the endpoints are eLynk Interfaces. eLynk Service includes one or more of the following components, as further defined below:

- eLynk Virtual Connection® to a Cloud Provider ("eVC")
- eLynk Interconnection® to a Cloud Provider ("eLynk Interconnection")
- eLynk Interface®

2.2 eVC and eLynk Interconnection. eVC is a point-to-point Layer 2 Ethernet service offered between two IEEE-compliant User Network Interfaces (each a "UNI"). One UNI is purchased by Customer and located on Customer's premises and the other UNI (the "eLynk Interface®") is located at the premises of, and/or controlled by, a specific application provider or data center ("Cloud Provider"). The demarcation point of each eLynk Interface will be the Lumen-designated physical interface located at the Cloud Provider's premises. Customer is solely responsible for obtaining from the relevant Cloud Provider, delivering to Lumen, and maintaining any necessary letters of authorization or permissions to connect to each eLynk Interface and the Cloud Provider's services. eLynk Interconnection is a point-to-point Layer 2 Ethernet service offered between two eLynk Interfaces. Customer is solely responsible for ensuring its ability to conform to each applicable Cloud Provider's specifications for eVC and eLynk Interconnection Services.

The eVC and eLynk Interconnection are available in various bandwidth increments ranging between 2Mbps to 10Gbps. The UNI is available as a 100Mbps, 1Gbps, or 10Gbps Ethernet port. Lumen will install a network interface device ("NID") at the premise of each UNI. eVCs may be ordered as a VLAN-based solution with dedicated or shared EVPLs that span between an eLynk interface and a UNI or between two eLynk interfaces,

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which is available at a variety of capacities. The available configuration options for eVC and eLynk Interconnection Services may vary as directed by the applicable Cloud Provider(s).

eVC or eLynk Interconnection Services depend on Lumen's ability to establish and maintain a relationship with the relevant Cloud Provider(s). Customer consents and directs Lumen to provide to the Cloud Provider certain information about the Service to the extent reasonably necessary to provide such Service, including, but not limited to, Customer's name, type and location of interconnection, technical information required to configure the interconnections (such as VLAN), utilization rate of the Service, as well as information concerning outages, maintenance, and operational status of the Service. Additionally, to the extent that Lumen reasonably believes that disconnection or suspension of the Service is imminent or if the Service is disconnected or suspended, Customer consents to Lumen informing the relevant Cloud Provider. Lumen is not responsible for the technical interoperation of the Cloud Provider's services with the eVC or eLynk Interconnection Service. Customer or Lumen may terminate eVC or eLynk Interconnection Services without liability in the event that Lumen loses the ability to continue logical or physical connection to the Cloud Provider as directed by the Cloud Provider.

Lumen may, in its reasonable discretion, (i) delay or cancel an Order for Services if the Cloud Provider is unable to timely accommodate the Order, and/or (ii) modify or terminate the affected Service if the Cloud Provider modifies or terminates its arrangement with Lumen in a manner which interferes with Lumen's ability to provide the Service or to do so at the existing price. Lumen may terminate Customer's Service upon reasonable notice if Lumen exercises a right to terminate the Cloud Provider's Service for any reason. Lumen will inform Customer as soon as commercially practicable if this occurs. Likewise, if any such Lumen modification of Service has a material adverse impact on Customer's ability to utilize a Service or increases the pricing, Customer may terminate the affected Service by providing Lumen with no less than 30 days prior written notice. If either Party cancels or terminates a Service as permitted in this paragraph, Customer will not be held liable for cancellation or termination charges associated with the affected Service, and any advance payments associated with such Services will be credited to Customer's account or, if Customer has no other Services from Lumen, returned. The ability to terminate an affected Service without termination liability is Customer's sole and exclusive remedy in the event a Cloud Provider modifies or terminates its arrangement with Lumen.

2.3 eLynk Interface®. eLynk Interface is an IEEE compliant user network interface ("UNI") that conforms to MEF standards. The eLynk Interface is available as a 1Gbps or 10Gbps Ethernet port and may be ordered with a single or dual handoff. A dual handoff gives Customer two ports, one in an active and one in a standby configuration. An eLynk Interface may be ordered by Customers who are application providers or data centers, situated at their premises and who are connected via an eVC with an IEEE-compliant UNI ordered from Lumen by third party end users that are customers of both Lumen and Customer (collectively "e-Lynk End Users" and individually "eLynk End User") to create a point-to-point Layer 2 Ethernet service between the two UNIs at a variety of speed intervals. An eLynk Interface also may be connected via an eLynk Interconnection to another eLynk Interface situated at a third party Cloud Provider's premises to provide connectivity between Customer and the Cloud Provider.

Lumen will notify Customer when an eLynk End User desires to connect to the eLynk Interface on Customer's premises. Upon receipt of such notice, Lumen and Customer will work together in good faith to exchange information and consents necessary to enable the eLynk End User to make the desired connection. Lumen will enter into a separate contract with all eLynk End Users for services provided by Lumen and Customer will enter into a separate contract with all eLynk End Users for services provided by Customer.

Without liability, Lumen may hold, delay or cancel pending orders by eLynk End Users due to capacity constraints on the eLynk Interface, acts or omissions of Customer or eLynk End Users, or other factors. The demarcation point of the eLynk Interface will be the Lumen-designated physical interface located in Lumen's space at the Service address identified in an Order.

2.4 Service Levels. Service is subject to the Lumen Service Level Agreement available at http://www.lumen.com/service-guides and subject to change. If Lumen changes the Lumen Service Level Agreement and the change is material and detrimental, Customer may request and receive the last version of the Service Level Agreement in effect before the change.

3. Customer Responsibilities.

3.1 Customer will separately contract with Cloud Provider for its access to the Cloud Provider. Customer is solely responsible for configuring and accepting from the Cloud Provider the virtual circuit that connects Lumen's

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circuit to Customer's virtual private cloud with the Cloud Provider. Customer's contractual relationship with the Cloud Provider is completely independent from Customer's contractual relationship with Lumen. Lumen is not a representative or agent of Cloud Provider, nor is Lumen responsible for Cloud Provider's performance of its obligations to Customer, or for Cloud Provider's acts or omissions. Lumen is not responsible to maintain, bill or pay for any service provided to Customer by the Cloud Provider. Similarly, Cloud Provider is not responsible to maintain or pay for the eVC or eLynk Interconnection Service. Any outages or degradation in eVC or eLynk Interconnection Services attributable to the Cloud Provider are deemed Excused Outages.

3.2 Customer consents to Lumen providing certain information about the eLynk Interface ordered to each connecting eLynk End User, including but not limited to Customer's name and location of interconnection, technical information required to configure for interconnection (such as VLAN), utilization rate of the Service, as well as information concerning outages, performance, maintenance activities, and operational status of the Service.

3.3 Customer agrees to use commercially reasonable efforts to provide Lumen at least 10 business days advance notice of any maintenance or changes planned by Customer that may impact eLynk End Users. Lumen may, but is not required to, provide notification of such maintenance or changes to the affected eLynk End Users. Customer agrees to provide Lumen not less than 30 days advance notice of disconnection of Service or any modification that may impact the eLynk End Users' interconnection with the Service or use of Cloud Provider's service. Lumen may inform eLynk End Users of any possible modifications.

3.4 Unless otherwise agreed to by the parties, Customer grants Lumen the right to use Customer's name in contracts, promotional materials and on Lumen's website to inform customers and prospective customers of Lumen's ability to connect to Customer via eLynk. Additionally, subject to Customer's prior approval, Lumen may use Customer's logos, service marks, trade dress, URL, domain names and/or other business identifiers in promotional materials and on Lumen's website.

4. Reserved.

Pricing: Click here to view the LUMEN ELYNK Price List

2.3.17 Voice T-1

Lumen's Voice T1 services provide access to the Public Switched Telephone Network (PSTN) through reliable, state-of-the-art switches that will serve your business needs into the future.

Lumen Voice T1 is installed in 24 channel increments and connects your digital PBX or key system to our national fiber network. Depending on your requirements, Lumen Voice T1 can be provisioned with ISDN or Channel Associated Signaling (CAS) and configured as inward, outward or two-way service.

Standard Features

Lumen Voice T1 provides you with a wide spectrum of control over your service. Standard features include:

Long Distance Minutes: Each Lumen Voice T1 facility includes a monthly allowance of 6,500 domestic Long Distance minutes that may be used for InterLATA domestic, and where available, IntraLATA calling.

Facility and Non-Facility Associated Signaling (requires ISDN signaling): Allows you to designate primary D-channel, back up D-channel or 24 B- channel configurations.

Call-by-Call (requires ISDN signaling): Allows you to define the ratio of inbound and outbound channels that are always available on a dynamic basis to prevent blockage.

Calling Name and Number Delivery (requires ISDN signaling): Allows you to receive calling party information for caller identification purposes (CPE must be National ISDN 2 compatible).

Attendant-Free Service: Allows outside callers to call internal extensions without passing through an attendant.

Calling Name and Number Transmission (requires ISDN Signaling): Allows you to send calling name and number information for caller identification purposes (Calling Name Transmission is not available in all areas).

Optional Features

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Help expand your Lumen Voice T1 services to better support your specific business needs. Optional features include:

Call Blocking: Permits you to restrict access from your telephone line to any combination of the various discretionary services prefixed by 900, 971, 974, 976 and 700.

Toll Restriction: Permits you to restrict access to numbers that generate toll charges. (Toll charges include operator assistance, international, InterLATA, IntraLATA and directory assistance.)

Bill Restriction: Permits you to restrict incoming calls billed to your number including third number billed and collect calls.

Two B-channel Transfer (requires ISDN Signaling): Allows you to receive a call on one B-channel and transfer it back out on a second B-channel. When the transferred call connects, both of the B-channels are released and available to make or receive calls.

Pricing: Click here to view the LUMEN Voice T-1 Price List

2.3.18 Managed Network Service (Managed Router)

1. Applicability. This Service Schedule applies when Customer orders Managed Network Services (MNS). Managed Network Service may be designated as Managed Customer Premise Equipment (CPE), CPE-Based Managed Service (CPE MS), Managed Virtual Private Network (VPN) Device, Managed Internet Device, Managed Device, Managed Router, or Managed IAD, in Customer Orders, order acceptance, service delivery, billing (and related) documents.

Service Description

2. MNS is a comprehensive solution where manages and maintains CPE (each, a "Managed Device") provided by Customer or associated with Internet access, Converged Services or MPLS-based data service (Data Service).

3. CPE Related Terms. In the event the Customer chooses to provide its own CPE, Customer hereby: (i) assigns full operational management responsibility for such equipment solely to Level 3; (ii) warrants and represents that the CPE is not in end of life (EOL) status with the manufacturer; and (iii) the CPE has a current and active equipment and software support agreement with the original equipment manufacturer. For provided CPE, the separate terms of the Customer Premise Equipment (CPE) Addendum apply and are incorporated by reference herein.

4. Charges. Customer will be billed on a fixed rate basis for MNS, consisting of a non-recurring charge (NRC) for installation and a monthly recurring charge (MRC).

Service Levels

The following Service Levels apply to MNS: As used herein, a "Business Day" is Monday through Friday excluding all banking, national or local holidays.

(a) Management Service Level. For logical configuration change requests received by prior to 6 P.M. local time on a Business Day, will implement such configuration change by the close of the following Business Day. All such change requests must be made through the web-based portal or by dialing 1-877-4LEVEL3. Configuration changes do not include service additions or deletions, configuration change requests requiring the addition or removal of security gateway services or other non-MNS service or any items that are considered the Customer's responsibility, including but not limited to, user and group configurations. This Service Level does not apply during the first 30 days following the Service Commencement Date.

(b) Maintenance and Response Service Level. Continuously monitors all Managed Devices and provides on-site maintenance and repair once has determined, through fault isolation, that a Managed Device has experienced a fault (i.e. "problem dispatch"). On-site coverage is as follows:

I. 24X7 4 Hour Response: where available, repair coverage is 24 hours per day, 7 days per week. A field engineer will arrive at the Customer site within 4 hours of problem dispatch as identified by Level 3.

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II. 9X5 Next Business Day Response: Where the above coverage is not available, repair coverage is 8:00 a.m. to 5:00 p.m. local time during a Business Day. Following problem dispatch, a field engineer shall arrive on-site no later than 5:00 p.m. the next Business Day. Calls must be received by 2:00 p.m. local time to enable a next Business Day response if problem dispatch is required. Countries identified in Attachment 1 fall into this SLA.

Prior to problem dispatch, or, if Customer requests maintenance assistance, may request Customer to verify that the local environment (including power, LAN connectivity, inside wiring / cabling etc.) has been diagnosed and ruled out as the source of the reported fault.

(c) Availability Service Level. Provided CPE has an Availability Service Level of 99.9% measured over a calendar month. Availability is the ability of a router to accept connections and pass traffic. This SLA does not apply to unavailability due to (i) Customer-initiated changes to the network environment, architectures, or router configuration; (ii) intentional shutdowns due to emergency intervention initiated during security related incidents; (iii) network performance degradation or connectivity failures (which are covered under a separate Service Schedule for such network services); (iv) Excused Outages; or; (v) failure due to incorrect bandwidth or IP address selection by the Customer. This SLA does not apply to MNS provided in the countries identified in Attachment 1.

(d) Credits. Will investigate Customer's report of any Service Level not being met in any given month. If determines that any such Service Level(s) was not met, Customer will receive a service credit equal to 1/30th of the MRC for the failed device(s), with a maximum credit of one credit per day per device (regardless of whether multiple SLAs were not met on such day). SLA credits are calculated after deduction of all discounts and other special pricing arrangements, and are not applied to governmental fees, taxes, surcharges and similar additional charges. Notwithstanding anything in the Agreement to the contrary, Customer must notify of requests for service credits within 45 days of events giving rise to such credits for those countries in Attachment 1. Credits on Managed Devices located in those countries set forth in Attachment 1 will be capped at 5 days for such Managed Device in a month.

5. Chronic Problem Resolution. A Chronic Problem is defined as a continuing error, conflict, trouble report or similar issue that affects the ability to pass Customer traffic through the CPE. In the event Customer or determines that that the Chronic Problem is the result of a recurring issue on the Customer side of the CPE, Customer shall take all reasonable steps necessary to correct the issue including but not limited to (i) requesting to proactively continue monitoring the relevant service (without taking additional action to address the immediate issue) until the Chronic Problem is resolved to Level 3's and the Customer's satisfaction; or (ii) requesting to take any necessary action to prevent the alerts from being displayed (meaning will not respond to future instances of the defined Chronic Problem). If Customer has not resolved the Chronic Problem within 30 days, may continue to monitor the relevant service and charge the Customer a $200 per alert response fee for as long as the Chronic Problem remains or take any necessary action to prevent the monitoring alerts from being displayed. In all cases, isolating Chronic Problems may impact other elements of Service, and activities in respect of Chronic Problems may result in additional charges. Customer shall not be entitled to any rebate or reduction of fees for the affected component. If the Chronic Problem is due to faulty Customer provided CPE, Customer shall take such action to repair, remove from MNS coverage, or replace such faulty CPE.

6. SNMP Read-Only Access and Netflow. Upon Customer's written request, will facilitate SNMP read-only access and/or Netflow to CPE managed by Level 3. Access to Managed Devices in this way will be access control list protected and restricted to a pre-determined list of Customer's network management system devices to be agreed by Customer and Level 3. Any failure to achieve the Service Levels relating to MNS will be excused and no credits or other remedies extended if such failure arises as a result of: (i) excessive polling of Managed Devices by Customer causing SNMP utilization on a Managed Device's processor to affect performance, (ii) failure by Customer to update Customer's network management system devices with known recommended security fixes, (iii) increased traffic or CPU utilization caused by NetFlow, or (iv) security breaches on Customer's own network.

Pricing: Click here to view the LUMEN MANAGED ROUTER Price List

2.3.19 Private Line

The Level 3 Private Line (PL) service is a protected, SONET-based transport service that provides customers dedicated bandwidth in a point-to-point configuration. Level 3 offers PL across our extensive Metro and Long Haul

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networks. In addition to standalone transport, PL services can be utilized as an access method to other Level 3 voice and data products. Private Line services are offered for standard TDM, SONET, and SDH speeds. Additionally, PL services are offered in a Hub/Endlink configuration and as Private Dedicated Rings (PDR) supporting PL service channels. Level 3's PL services are premium, dedicated services compared to unprotected, switched or shared product offerings (e.g., EVPL).

Further details of all PL services are found in subsequent sections of this document. Private Line pricing, customer presentations, process guidance, and other documentation can be found on Sales Source.

* Please note that the PL service descriptions detailed in this document apply to on net services in North America. Refer to Next Level and the specific off net and International sections of this guide for further details on off net and international PL services. On net refers to locations physically part of and connected to the Level 3 network.

Available Speeds

Private Line services are offered for the following TDM, SONET, and SDH speeds. Not all services are available at all locations. Please refer to GLM for current service availability information.

- TDM: DS1/T1, E1, E3, and DS3/T3
- SONET: OC3, OC12, OC48, and OC192 (ICB)
- SDH: STM1, STM4, STM16, and STM64 (ICB)

Service Availability

Private Line service is available at many Level 3 on net locations in North America. However, a significant number of metro locations and a limited number of long haul network segments will not offer PL. Services offered and available vary by speed (DS1, DS3, etc. for PL) and by Metro vs. Long haul. Services are managed at the building level, however services are only offered to the distribution POP operated by Level 3. Site Readiness (Inside Wiring) is not supported for PL services. Third Party Cross Connects (3PXC)/Building LEC (BLEC) connections are available to extend PL services in select locations.

Scenario Manager (SM) is the quoting system for metro and long Haul PL. All services are quotable at all locations, however, if existing capacity is not available for DS1/DS3/E1/E3 services, a Capital Approval Request (CAR) must be approved to sell the quoted service. Existing capacity can be reviewed in GLM under the TDM Access Capability section.

- Metro PL is currently available at approximately 8,500 on net locations.
- Long Haul (or 'Intercity') PL is available between ~150 Metro markets.

Pricing: Click here to view the LUMEN PRIVATE LINE Price List

2.3.20 Wavelength Service

1. Applicability. This Service Schedule is applicable only where Customer orders Level 3® Intercity Wavelength Service, Level 3® Metro Wavelength Service, or Level 3® International Wavelength Service (collectively "Wavelength Service") on a lease basis.

2. Definitions

(a) "Customer Commit Date" means the date by which will install Service. The Customer Commit Date is established following Level 3's acceptance of a Customer Order.

(b) "E2E" means end to end, and includes the On-Net and Off-Net components of Services in the United States and European Union, taken together.

(c) "On-Net" means Service provided on the network owned (or operated and controlled) by between two locations that are served directly by owned (or operated and controlled) fiber and owned equipment. Services that are not On-Net are Off-Net.

(d) "Protected" shall mean any Service that includes a managed protection scheme that allows traffic to be re-routed in the event of a fiber cut or equipment failure.

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(e) **"Termination Node"** shall mean the locations within Level 3's facilities or within Customer Premises in each of the cities in which termination is available. Each Wavelength Service shall contain two (2) Termination Nodes, the exact location of which will be set forth in the Customer Order.

(f) **"Unavailable"** or "Unavailability" means the duration of a break in transmission measured from the first of ten (10) consecutive severely erred seconds ("SESs") on the affected Wavelength Service until the first of ten (10) consecutive non-SESs.

(g) **"Unprotected"** shall mean any Service that does not include a managed protection scheme that would allow traffic to be re-routed in the event of a fiber cut or equipment failure.

Service Description

3. **Wavelength Service** is a dedicated, transparent, optical wave signal for transport of high bandwidth between two Termination Nodes offered on a Protected or Unprotected basis. Customer interface consists of 2.5Gb, 10Gb, 40Gb, 1GbE, 10GbE, 40GbE and 100GbE, I1, I2, I2e, I3, I4 and 1Gb, 2Gb, 4Gb, 8Gb, and 10Gb Fibre Channel.

4. **Interconnection.**

(a) **Demarc.** To use the Wavelength Service, Customer must provide to Level 3, at each Termination Node, a SONET or SDH-framed 2.5Gb, 10Gb or 40Gb signal, as defined by Telcordia GR-253-CORE, a 1Gb, 10Gb, 40Gb or 100Gb Ethernet signal, as defined by IEEE 802.3ae, a I1, I2, I2e, I3, I4 signal, as defined by ITU G.709, or a 1Gb, 2Gb, 4Gb, 8Gb, or 10Gb Fibre Channel signal, as defined by T11 Technical Committee within INCITS (the International Committee for Information Technology Standards (collectively, "Traffic"), which Traffic will thereafter be delivered by Level 3, in like format, to the opposite and corresponding Termination Node.

The demarcation point for the Wavelength Service shall be the OSX or fiber termination panel at the Termination Node. Customer shall be solely responsible for providing all interconnection equipment used both to deliver Traffic to, or to accept Traffic from, in the formats described above and for any and all protection schemes Customer chooses to implement respecting the Traffic. For a Termination Node at a location other than a Gateway, Customer shall provide with space and power (at no charge to Level 3), as reasonably requested by Level 3, for placement and operation of an OSX, fiber termination panel or other equipment within the Customer Premises.

(b) **Construction of Facilities.** With respect to construction of facilities to the Customer Premises and installation, maintenance and repair of facilities within the Customer Premises, Customer shall provide with access to and the use of Customer's entrance facilities and inside wiring, and/or shall procure rights for allowing the placement of facilities necessary for installation of facilities to deliver the Wavelength Service to the Customer Premises. All costs associated with

procuring and maintaining rights needed to obtain entry to the building (and the real property on which the building is located) within which the Customer Premises are located, and costs to procure and maintain rights within such building to the Customer Premises, shall be borne by Customer.

(c) **Third Party Providers.** Where Wavelength Service is being terminated Off-Net at the Customer Premises through a third-party provider to be provisioned by on behalf of Customer, the charges set forth in the Customer Order for such Wavelength Service assumes that such Wavelength Service will be terminated at a pre-established demarcation point or minimum point of entry (MPOE) in the building within which the Customer Premises is located, as determined by the local access provider. Where the local access provider determines that it is necessary to extend the demarcation point or MPOE through the provision of additional infrastructure, cabling, electronics or other materials necessary to reach the Customer Premises, (i) may charge Customer additional non-recurring charges and/or monthly recurring charges not otherwise set forth in the Customer Order for such Wavelength Service, (ii) installation of Service may be delayed and (iii) Section 5(A) of this Service Schedule shall not apply. Will notify Customer of any additional non- recurring charges and/or monthly recurring charges as soon as practicable after is notified by the local access provider of the amount of such charges.

In addition, where Wavelength Service is being terminated Off-Net at the Customer Premises through an Off-Net Local Loop to be provisioned by on behalf of the Customer, the charges and the Service Term set forth in the Customer Order for such Wavelength Service assumes that such Wavelength Service can be provisioned by through the local access provider selected by (and/or Customer) for the stated Service Term. In the event is unable to provision such Wavelength Service through the selected local access provider or the selected local access provider requires a longer Service Term than that set forth in the Customer Order, reserves the right,

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regardless of whether has accepted the Customer Order, to suspend provisioning of such Wavelength Service and notify Customer in writing of any additional non-recurring charges, monthly recurring charges and/or Service Term that may apply.

Upon receipt of such notice, Customer will have five (5) business days to accept or reject such changes. If Customer does not respond to within the five (5) business day period, such changes will be deemed rejected by Customer. In the event Customer rejects the changes (whether affirmatively or through the expiration of the five (5) business day period), the affected Wavelength Service will be cancelled without cancellation or termination liability of either party. Does not guarantee that any Wavelength Service will be provided by a specified local access provider.

Service Levels

5. (a) Installation Service Level. Will exercise commercially reasonable efforts to install any On-Net Wavelength Service on or before the Customer Commit Date specified for the particular Wavelength Service. This Installation Service Level shall not apply to Customer Orders that contain incorrect information supplied by Customer, or Customer Orders that are altered at Customer's request after submission and acceptance by Level 3. In the event does not meet this Installation Service Level for a particular Wavelength Service for reasons other than an Excused Outage, Customer will be entitled to a service credit off of one month's monthly recurring charges ("MRC") (after application of discounts and other special pricing arrangements, if any) for the affected Wavelength Service as set forth in the following table:

v	Service Level Credit (MRC)
1 – 5 business days	5%
6 – 20 business days	10%
21 business days or greater	15%

(b) Availability Service Level. In the event that a particular Wavelength Service becomes Unavailable for reasons other than an Excused Outage, Customer will be entitled to a service credit off of the MRC (after application of discounts and other special pricing arrangements, if any) for the affected Wavelength Service based on the cumulative Unavailability for the affected Wavelength Service in a given calendar month as set forth in the following tables:

For On-Net Unprotected Service

Cumulative Unavailability (in hrs:mins:secs)	Service Level Credit
00:00:01 – 6:00:00	No Credit
6:00:01 – 8:00:00	10% of the MRC
8:00:01 – 12:00:00	30% of the MRC
12:00:01 or greater	50% of the MRC

For On-Net Protected Service

Cumulative Unavailability (in hrs:mins:secs)	Service Level Credit
00:00:01 – 00:05:00	No Credit
00:05:01 – 01:00:00	10% of the MRC
01:00:01 – 10:00:00	30% of the MRC
10:00:01 or greater	50% of the MRC

For E2E Protected Service

Cumulative Unavailability (in hrs:mins:secs)	Service Level Credit
00:00:01 to 3:30:00	No Credit
03:30:01 – 6:00:00	10% of the MRC
6:00:01 – 12:00:00	30% of the MRC
12:00:01 or greater	50% of the MRC

For E2E Unprotected Service

Cumulative Unavailability (in hrs:mins:secs)	Service Level Credit
00:00:01 to 8:00:00	No Credit
8:00:01 – 10:00:00	10% of the MRC
10:00:01 – 16:00:00	30% of the MRC
16:00:01 or greater	50% of the MRC

(c) Service Level Limitations. Except with respect to E2E Service, for any Off-Net Service, will pass-through to Customer any service levels and associated credits (or other express remedies) provided to by the applicable third party carrier. Service Levels do not apply to Service interruptions attributable to long-haul international access circuits between a point of presence in one country and a Customer premises in a different country.

(d) The credits and any other remedies specified in Sections 5(A), 5(B) and Section 6 below set forth the sole and exclusive remedies of Customer for any interruptions or delays of any Wavelength Service or other Service-related issues.

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6. Chronic Outage. As its sole remedy, Customer may elect to terminate any affected Wavelength Service (excluding any Wavelength Service provided in Latin America) prior to the end of the Service Term without termination liability if, for reasons other than an Excused Outage, the Service is Unavailable for more than 12 consecutive hours in each of 3 consecutive calendar months, or for more than 42 hours in the aggregate in any calendar month. The termination right must be exercised within 30 days of the event giving rise to it.

Pricing: Click here to view the LUMEN WAVELENGTH Price List

2.3.21 Telecommunications Service Priority (TSP)

The TSP program is a Federal program developed to identify and prioritize telecommunications services that support NS/EP missions.

Level 3 Telecom gives priority response to customers with TSP authorizations when they request telephone service installations and restorations.

Telecommunications services that are used to maintain a state of readiness or respond to and manage any event, or crisis, which causes or could cause injury or harm to the population, damage or loss to property, or degrades or threatens the NS/EP posture of the United States are eligible. Level 3 Telecom does not determine eligibility for this service.

Provide your TSP certification information to Level 3 Telecom. We will then be able to provide you with priority status.

Pricing: Click here to view the LUMEN Telecommunications Service Priority (TSP) Price List

2.3.22 IPVPN

Level 3® MPLS (IPVPN and VPLS) VPN Service

1. Applicability. This Service Schedule is applicable where Customer orders Level 3® MPLS (IPVPN and VPLS) VPN Service.

Service Description

2. MPLS VPN Service includes two (2) virtual private network ("VPN") services, IPVPN and VPLS, providing private site-to-site communications over Level 3's MPLS network. IPVPN utilizes Internet Protocol; VPLS is provided using Ethernet. Customer must purchase at least 2 ports to set up private site-to-site connections. The Service is connected to each site, including additional sites designated by Customer (together "Customer Sites") through the Customer port at either a circuit location address or a Level 3 Point of Presence (PoP) as specified in the Customer Order. Customer Sites will be connected to a port at one or more Level 3 MPLS Network PoPs at a fixed data transmission rate. Standard network management web tools are also provided in conjunction with the MPLS VPN Services. The VPLS offer of Enterprise Switched Native LAN ("SNLAN") allows multiple Customer locations to interconnect within a single Level 3-defined metro area network ("MAN"). The VPLS offer of Extended Native LAN ("ENLAN") allows Customer to connect multiple SNLAN networks between MANs.

3. Additional features and functionality may include:

A. Enhanced Reporting. Customer may (at additional cost) subscribe to enhanced reporting features including Performance Assurance, Enhanced Management, and End to End Statistics (collectively these are referred to herein as "Enhanced Reporting"). Where available, these features provide end-to-end reporting and SLA's for the following statistics: data delivery, latency and jitter that can be accessed by Customer via the Level 3 provided customer portal.

B. Class of Service (CoS). Customer may purchase CoS providing the ability to prioritize certain identifiable traffic flows between MPLS network ports. The customer is solely responsible for the selection of classes of service as stated in the Customer Order. If a Service Order references Premium Plus/Premium CIR (or PIR), the stated bandwidth is included in, and not in addition to, the Committed Information Rate or Peak Information Rate.

C. Smart Demarcation. In certain locations, where available, for VPN and VPLS services with Ethernet access in the domestic

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U.S. and VPLS services with Ethernet access outside of the U.S., Level 3 provides 'Smart Demarcation' which is the supply and installation of a Smart Demarcation device (also referred to as a Network Interface Device or "NID") used for Ethernet connectivity fault management for up to 1Gbps port speeds at Customer Sites.

4. Charges. Customer shall be billed non-recurring charges ("NRC") and monthly recurring charges ("MRC") for MPLS VPN Services as set forth in the Customer Order. NRC includes applicable installation charges for local-access circuit and each port. MRC includes local-access charges, port connection charges and bandwidth charges. Bandwidth may be identified on a Customer Order as Bandwidth, Commit, Committed Information Rate (or CIR), or Peak Information Rate (or PIR). Other charges, including but not limited to usage based charges, may apply as stated in the Customer Order. Where Customer orders MPLS VPN Services bundled with either Level 3 Internet Services or Level 3 Enterprise Voice SIP Based Services (either combination is referred to herein as a "Converged Service") such charges will show on the invoice as Converged Services. For clarification, the Converged Service is treated as a single Service and if Customer wishes to unbundle or terminate a part of the Converged Service, early termination liability may apply and Customer will be required to execute new orders for the desired stand-alone Service.

5. The following services may be available at an additional charge to be set forth in an Order and pursuant to the separate Service Schedule for such services:

A. Level 3 Internet Services. As part of a Converged Service, Customer may order Internet Services which are high speed symmetrical Internet services providing access to the Level 3 IP Network and the global internet.

B. Level 3 Enterprise Voice SIP Based Services. As part of a Converged Service, Customer may order SIP based enterprise voice for Public Switched Telephone Network connectivity, outbound (1+) access to U.S. (interstate and intrastate) and international locations, inbound (8XX) service, and international toll free calling.

C. Application Performance Management. As an optional service feature for IPVPN, where available Customer may subscribe to Application Performance Management ("APM") which provides near real-time information for live monitoring and historical data for analysis and reporting on all network traffic end-to-end, including advanced statistics on latency, jitter and packet loss, as well as general utilization by way of an inline Analysis Service Element ("ASE").

D. Managed Network Services. As an additional Service offering, where available Customer may order Level 3 Managed Network Services ("MNS") in which Customer premises equipment ("CPE") is provided by either the Customer or Level 3, but in all cases is managed and maintained by Level 3. MNS may include, but is not limited to, Routers, IADs, SBCs, and firewalls.

E. Secure Access. As an additional Service offering, where available Customer may order Secure Access Site and Secure Access Cellular.

F. Managed Security Services. As an additional Service offering, if available Customer may order certain managed security services ("MSS") which may be available on a cloud-based (MSS-Cloud) solution. The MSS Cloud solution may also be referenced as a Secure Internet Access Firewall or SIA Firewall when ordered in conjunction with Level 3 MPLS Service.

6. Customer Responsibilities. Customer is responsible for providing the network design specifications including pre-existing LAN/WAN IP addressing schemes, MAC addresses and circuit designs. Customer is solely responsible for all equipment and other facilities used in connection with the Service which are not provided by Level 3. All IP addresses, if any, assigned to Customer by Level 3 shall revert to Level 3 upon termination of Service, and Customer shall cease using such addresses as of the effective date of termination. For installation of the Smart Demarcation device (NID) at Customer's Site, Customer shall (i) provide access at each Site for installation, implementation and maintenance ("Work") at scheduled times, (ii) make appropriate contact personnel available on-site for such Work, (iii) provide all necessary power distribution boxes, conduits, telco backboard space for equipment mounting, grounding, surge and lightning protection and associated hardware and power outlets within 4 feet (1 meter) of the location at which a NID is to be installed, (iv) provide all required extended demarcation inside wiring, including any necessary building alterations to meet wiring and any other site requirements, (v) ensure that the NID can be installed within 6 feet (2 meters) of the Customer provided equipment and the Customer provided or third party provided extension of the local access circuit demarcation, or otherwise provide additional cabling at the Customer's expense, (vi) clearly marking each telecommunications

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extended local access circuit demarcation point to allow the installer to connect the correct circuit to the correct NID interface, and (vii) connection of the NID to the Customer Router or LAN.

Service Levels

7. Service Levels and Service Credits. The following Service Levels (SLAs) apply as set forth below. When Converged Services are ordered the SLAs below apply in lieu of any SLAs identified in the applicable Level 3 Internet Service Schedule and/or Level 3 Enterprise Voice SIP Based Service Schedule as referenced above in Section 5. Depending on the type of Service ordered by Customer, the Class of Service levels of Premium Plus, Premium, Enhanced Plus, Enhanced, and Basic may be referenced on a Customer Order as Real Time, Interactive, Mission Critical, Priority and Best Effort, respectively.

A. Availability Service Level. The Availability Service Level in the United States is 99.99%. Outside the United States, the Availability Service Level for Fully On-Net MPLS VPN Service is 99.99% and 99.9% for Off-Net Service. Fully On-Net MPLS VPN Service is provided entirely on Level 3's owned and operated network. Off-Net Service is a service that is partially or entirely provided using third party circuits not owned and operated by Level 3. For IPVPN and VPLS, Service Availability is calculated on a per site basis.

B. Packet Delivery, Latency and Jitter Service Levels – PoP to PoP. Level 3's service levels for packet delivery, latency, or jitter are set forth below in Tables A and B. These latency calculations are averaged monthly between all Level 3 designated points of presence ("POPs") in a given region.

Table A: PoP to PoP

SLA Boundary	Measurement Parameter	Class of Service		
		Premium Plus/ Premium (e.g. Voice/ Video)	Enhanced Plus/Enhanced (e.g. Critical/ Preferred Data)	Basic Plus/ Basic (e.g. Default/ Internet/ Bulk Data)
Intra Continental U.S.	Average Packet Delivery	99.99%	99.95%	N/A
	Average Two Way Latency	City Pair*	City Pair*	City Pair*
	Jitter (one way)	< 3 ms	N/A	N/A
Intra EU and EU-US	Average Packet Delivery	99.99%	99.95%	N/A
	Average Two Way Latency	City Pair	City Pair	City Pair
	Jitter (one way)	< 10 ms	N/A	N/A
Rest of World	Average Packet Delivery	99.9%	99.8%	N/A
	Average Two Way Latency	City Pair	City Pair	City Pair
	Jitter (one way)	Regional	N/A	N/A

*Appendix 1 sets forth the "City Pair" monthly average two-way latency in the MPLS VPN PoP to PoP two way latency SLA matrix. For city pairs that are not listed in Appendix 1, the following regional metrics apply per Table B. Regional metric calculations are averaged monthly between all Level 3 POPs in a given region.

Table B: Regional Two Way Latency and Jitter

Description	Average Two Way Latency (milliseconds)	Average Jitter Roundtrip (milliseconds)
Trans-Atlantic (London/Amsterdam – New York)	< 95 ms	< 6 ms
Intra–United Kingdom	< 25 ms	< 6 ms
European network	< 45 ms	< 6 ms
North American Network *	< 65 ms	< 6 ms
Pacific (Tokyo – Sacramento, CA)	< 150 ms	< 6 ms
Sydney – US West (Sacramento, CA)	< 270 ms	< 6 ms
Sydney – Asia (Tokyo)	< 200 ms	< 6 ms
Intra–Asia **	< 140 ms	< 6 ms
South America (Buenos Aires, Sao Paolo, Panama City, Santiago, and Miami)	< 170 ms	< 6 ms
New York – South Africa	< 295 ms	< 40 ms
London – South Africa	< 230 ms	< 40 ms

* Add 90ms from/to the Mexico PoP

** 'Intra-Asia' is defined as: Japan, Australia, Hong Kong, Taiwan, Philippines, South Korea, Thailand, Malaysia, and Indonesia.

C. Packet Delivery, Latency and Jitter Service Levels – End to End (Optional). End to End Packet Delivery, jitter and two way latency SLAs apply only to sites where Customer has ordered Enhanced Reporting or APM for IPVPN. For sites with DSL, microwave or satellite access, End to End packet delivery, jitter, and latency SLAs do not apply. To calculate an end to end two way latency SLA, the loop factor table applies per Appendix 1.

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Table C: End to End

SLA Boundary	Measurement Parameter	Class of Service		
		Premium Plus/ Premium (e.g. Voice/Video)	Enhanced Plus/Enhanced (e.g. Critical/Preferred Data)	Basic Plus/ Basic (e.g. Default/Bulk Data)
Intra Continental U.S.	Average Packet Delivery	99.9%	99.5%	N/A
	Average Two Way Latency	City Pair Plus Loop Factor Table*	City Pair Plus Loop Factor Table*	City Pair Plus Loop Factor Table*
	Jitter (Round Trip)	≤ 3 ms	N/A	N/A
Intra EU and EU -US	Average Packet Delivery	99.9%	99.5%	N/A
	Average Two Way Latency	City Pair Plus Loop Factor Table*	City Pair Plus Loop Factor Table*	City Pair Plus Loop Factor Table*
	Jitter (Round Trip)	< 10 ms	N/A	N/A
Rest of World	Average Packet Delivery	99.5%	99.0%	N/A
	Average Two Way Latency	City Pair Plus Loop Factor Table*	City Pair Plus Loop Factor Table*	City Pair Plus Loop Factor Table*
	Jitter (Round Trip)	Regional	N/A	N/A

D. Credits for SLAs above: All SLA credits are calculated after deduction of all discounts and other special pricing arrangements, and are not applied to governmental fees, taxes, surcharges and similar additional charges. For the avoidance of doubt, credit percentages are, unless otherwise expressly provided for in these terms, only applied to the MRC of the bandwidth and port charges for applicable Sites. In no event will SLA credits in any calendar month exceed 100% of the total MRCs (excluding local access) for the affected Site(s). All approved SLA credits requested by Customer for a given month will be totaled and applied to Customer's next following invoice for the Service, or as promptly thereafter as is practical in the event of a dispute.

C. Availability Service Credit: Service is "Unavailable" (except in the case of an Excused Outage) if the Customer port at a Customer site is unable to pass traffic. Service Unavailability is calculated from the timestamp Level 3 opens a trouble ticket following the report of a problem by the Customer until the time the ticket is closed. If credits are due under this SLA, no other SLAs apply to the same event. If Service is Unavailable for reasons other than an Excused Outage, Customer will be entitled to a service credit off of the MRC for the affected Service locations based on the cumulative Unavailability of the Service in a given calendar month as set forth in the tables below. For a Fully On-Net Service, the SLA and credits in Table D will apply. For Off-Net Service, the SLA and credits in Table E will apply.

Table D: US Domestic Only or Fully On-Net MPLS VPN Service

Cumulative Unavailability (in hrs:mins:secs)	Service Level Credit
00:00:01– 00:43:00 (99.9%)	No Credit
00:43:01 – 04:00:00	10%
04:00:01 – 12:00:00	30%
12:00:01 or greater	50%

Table E: Off-Net MPLS VPN Service and Service outside the Domestic US

Cumulative Unavailability (in hrs:mins:secs)	Service Level Credit
00:00:01 – 00:04:18 (99.99%)	No Credit
00:04:19 – 00:43:00 (99.9%)	10%
00:43:01 – 04:00:00	15%
04:00:01 – 12:00:00	30%
12:00:01 or greater	50%

ii. Data Delivery, Latency, and Jitter Service Credits. The PoP to PoP SLAs are based on monthly average performance between nodes on Level 3's MPLS network. Where End to End SLAs apply, the monthly average performance is measured between the Level 3 Equipment deployed for APM or Enhanced Reporting, as applicable. Customer will be entitled to a service credit off of the MRC for the affected Service locations as set forth below for the Service parameter(s) not met for reasons other than an Excused Outage. Customer will not be entitled to credits under the packet delivery, latency, or jitter SLA's for the affected Service where such failure is related to Unavailability under the Availability SLA.

Monthly Service Parameter	Service Level Credit
Data Delivery	10%
Latency	10%
Jitter	10%

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E. Smart Demarcation Opt-Out. Where Smart Demarcation is required by Level 3 and Customer wants the Service provisioned without Smart Demarcation Level 3 agrees upon Customer's request to meet with Customer to discuss alternative options (if available).

F. Chronic Outage. As its sole remedy, Customer may elect to terminate an affected MPLS VPN Service, or if applicable an affected Converged Service, prior to the end of the Service Term without termination liability if, for reasons other than an Excused Outage: such MPLS Service is Unavailable (as defined in Section 5(d)(i) above) in any calendar month for: (a) more than 6 consecutive hours in each of 3 consecutive calendar months, OR (b) more than 42 hours in aggregate in any calendar month. Customer may only terminate such Service that is Unavailable as described above, and must exercise its right to terminate the affected Service under this Section, in writing, within 30 days after the event giving rise to a right of termination. For clarification, termination of a Converged Service will result in termination of all applicable Services bundled together as the Converged Service under the Order.

G. Installation Service Level. Level 3 will exercise commercially reasonable efforts to install each MPLS VPN Service on or before the Customer Commit Date for the particular Service. This installation Service Level shall not apply to Customer Orders that contain incorrect information supplied by Customer or Customer Orders that are altered at Customer request after submission and acceptance by Level 3. In the event Level 3 does not meet this Installation Service Level for a particular MPLS VPN Service for reasons other than an Excused Outage, Customer will be entitled to a service credit for each day of delay equal to the charges 1 day of the pro rata share of the MRC associated with the affected MPLS VPN service up to a monthly maximum credit of 10 days.

H. SLA Limitations for Enhanced Management: For circuits with Bandwidths of 15 Mbps or lower, the measurement of such Data Delivery, Latency and Jitter also excludes any time period that Customer's total bandwidth utilization or bandwidth utilization by CoS exceeds fifty percent (50%) of the applicable contracted bandwidth. For circuits with bandwidths over 15 Mbps, the measurement of such Data Delivery, Latency and Jitter also excludes any time period that Customer's total bandwidth utilization exceeds seventy percent (70%) of the applicable contracted bandwidth. The Enhanced Management SLA shall not apply to any site for any calendar month if Level 3's measurement of Data Delivery, Latency or Jitter does not include at least twenty five percent (25%) of the duration of any calendar month. Credits provided for the applicable metric are not cumulative and, in any calendar month, Customer shall only be entitled to one credit per metric per site. All measurements are based on the average of the metrics for that calendar month.

8. Resale Restriction – Notwithstanding anything to the contrary in the Agreement, Customer is prohibited from reselling any Service provided pursuant to this Service Schedule except as expressly provided by Level 3, provided however, if Customer requests to resell any Converged Services such permission from Level 3 must be in the form of an amendment signed by authorized representatives of both parties.

Pricing: Click here to view the LUMEN IPVPN Price List

2.3.23 E-LAN

1. General. This Service Schedule is applicable only where Customer orders Ethernet Line Service (E-Line), Ethernet LAN Service (E-LAN), Ethernet Access Service (E-Access), Ethernet Private Line (EPL), or Ethernet Virtual Private Line (EVPL) Service (the "Service(s)"). "Lumen" is defined for purposes of this Service Schedule as CenturyLink Communications, LLC d/b/a Lumen Technologies Group and its affiliated entities. This Service Schedule incorporates the terms of the Master Service Agreement or other service agreement under which Lumen provides service to Customer, and if none, Lumen's standard Master Service Agreement (the "Agreement"). Lumen may subcontract any or all of the work to be performed under this Service Schedule. All capitalized terms that are used but not defined in this Service Schedule are defined in the Agreement or Order.

1.1 Additional General Terms. Customer will pay all charges for the Service. Service charges are exclusive of taxes and presented without reduction for any Withholding Tax, all of which are the responsibility of the Customer. "Withholding Tax" means any amount or account of tax on sources of income which a payor is obliged to deduct from payments due to a recipient and account for or to any tax authority. In the event that any payment to be made to Lumen hereunder should be subject to reduction by reason of a Withholding Tax, Customer agrees to pay Lumen such amounts as would have been necessary so that the aggregate net amount received by Lumen after application of a Withholding Tax is the same amount as would have been received by Lumen if there had

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been no requirement to deduct or withhold such tax. For Services provided outside the United States, Customer or its local affiliate may be required to enter into a separate local country addendum/agreement (as approved by local authorities) ("LCA") with the respective Lumen affiliate that provides the local Service(s). Such Lumen affiliate will invoice Customer or its local affiliate for the respective local Service(s).

2. Services.

2.1 Ethernet Line Service (E-Line). E-Line is a point-to-point Ethernet service that can traverse between any two UNIs. E-Line can be configured as a virtual private service called E-Line EVPL or a private service called E-Line EPL. In a VLAN aware configuration E-Line EVPL can be used as a hub and spoke architecture. It can be ordered in various bandwidth increments and specific E-Line EVC Types. The E-Line product is Metro Ethernet Forum (MEF) Carrier Ethernet (CE) 2.0 certified for both E-Line EVPL and E-Line EPL. E-Line is available with Single-CoS.

2.2 Ethernet LAN Service (E-LAN). E-LAN is a fully meshed multipoint-to-multipoint circuit between two to 50 UNIs connected by an E-LAN EVC. E-LAN can be configured as a virtual private service called EVP-LAN or a private service called EP-LAN. E-LAN EVC endpoints participate within the E-LAN Service and can be ordered in various bandwidth increments and specific E-LAN EVC Types. The E-LAN product is MEF Carrier Ethernet (CE) 2.0 certified for both EVP-LAN and EP-LAN. E-LAN is available with Single or Multi-CoS.

2.3 Ethernet Access Service (E-Access). E-Access is a point-to-point or point-to-multipoint carrier Ethernet service connecting ENNIs and W-UNIs with OVCs. E-Access can be configured as a virtual private service called E-Access EVPL or a private service called E-Access EPL. E-Access can be ordered in various bandwidth increments and specific E-Access OVC Types. The E-Access product is MEF Carrier Ethernet (CE) 2.0 certified for both E-Access EVPL and E-Access EPL. E-Access is available with Single-CoS.

2.4 Ethernet Private Line (EPL). Port-based point-to-point circuits that deliver a high degree of transparency for service frames between standard 10/100/1000 Mbps interfaces. Metro EPL Service is provided in the same metropolitan market. Intercity EPL Service is between two markets. EPL is offered in a Protected or Unprotected configuration.

2.5 Ethernet Virtual Private Line (EVPL). Point-to-point circuits that deliver a lower degree of transparency for service frames but can be ordered as a VLAN aware or as a bundled configuration. EVPL is made up of at least two UNIs and at least one EVC. In the VLAN aware configuration EVPL can be used as a hub and spoke architecture. EVPL is always delivered in a Protected configuration. Each UNI and EVC is priced separately. EVPL is available with Single-CoS.

2.6 Add-On Services and Features. As an optional Service feature available on EVPL, Customer may (at additional cost) subscribe to Performance Assurance that provides Customer with enhanced latency, data delivery, and jitter service levels, and additional reporting and monitoring capabilities. Performance Assurance is described in the separate Addendum for Performance Assurance Services.

2.7 Services from Others. Where Service is terminated Off-Net, Customer will provide Lumen with circuit facility assignment, firm order commitment and the design layout records necessary for Lumen to make cross-connections to the Off-Net carrier. Lumen's charges assume that Off-Net service: (a) will be available from Lumen's selected provider and (b) will be terminated at the minimum point of entry (MPOE) pre-determined by the Off-Net provider. If these assumptions are incorrect, additional charges may apply to either the Off-Net component or, in the case of MPOE extensions, for inside wiring provided by Lumen. Customer will provide required inside wiring if the Off-Net provider does not or cannot perform required inside wiring.

2.8 Service Levels. Service is subject to the Lumen Service Level Agreement available at www.lumen.com/service-guides and subject to change. If Lumen changes the Lumen Service Level Agreement and the change is material and detrimental, Customer may request and receive the last version of the Service Level Agreement in effect before the change.

3. Definitions. The following terms are defined for the purposes of this Service Schedule:

Class of Service (CoS) – Option for increased prioritization per EVC/OVC on the Lumen network. Single-CoS is available as Basic, Enhanced, or Premium/Dedicated, where Lumen marks all Customer traffic on an EVC/OVC. Multi-CoS is available as Low, Medium, or High, where Customer dynamically marks Customer traffic for prioritization.

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Customer Commit Date – The date by which Lumen will install Service. The Customer Commit Date is established following Lumen's acceptance of a Customer Order.

End-to-end or E2E and includes the On-Net and Off-Net access components of Services taken together.

Ethernet Virtual Connection (EVC) – Logical Ethernet service between two or more UNIs that limits the exchange of Service Frames to UNIs in the EVC.

EVC/OVC Type – a more specific configuration description of the Ethernet Service. E-Line and E-Access are available as Ethernet Virtual Private Line (EVPL) or Ethernet Private Line (EPL); E-LAN is available as Ethernet Virtual Private LAN (EVP-LAN) or Ethernet Private LAN (EP-LAN).

External Network-to-Network Interface (ENNI) – A resilient access point directly into the Lumen National Ethernet core from which next generation Ethernet products may be ordered and terminated. The ENNI is an aggregated Ethernet port where many segregated service instances are collected together for switching between two Ethernet networks and may be ordered with a single or dual handoff.

On-Net – Service provided on the network owned (or operated and controlled) by Lumen between two locations that are served directly by Lumen owned (or operated and controlled) fiber and Lumen owned equipment. Services that are not On-Net are "Off-Net".

Operator Virtual Connection (OVC) – Logical Ethernet service between Wholesale UNIs and ENNIs, where at least one end is an ENNI, which limits the exchange of Service Frames to UNIs/ENNIs in the OVC. Available only with E-Access.

Protected – Any Service that is configured generally to include a protection scheme that allows traffic to be re-routed in the event of a fiber cut or equipment failure. Services which are not Protected are "Unprotected."

Unavailable/Unavailability – Ethernet port (or the Service directly associated with such port) downtime.

User Network Interface (UNI) / Wholesale User Network Interface (W-UNI) – The physical interconnect at the Customer Metro Edge which may be ordered as a transparent or multiplexed interface.

Virtual LAN (VLAN) – A logical separation of network elements.

Pricing: Click here to view the LUMEN E-LAN Price List

2.3.24 Security Customer Premises Based Firewall (FW)

Service Overview

The Lumen Managed Premises Firewall Service includes specialized security processes, people and technology designed to help safeguard customers' networks and applications. This includes comprehensive design, configuration, implementation, management, and monitoring of security services located at the customer premises site(s). Highlights:

- Utilize market-leading Fortinet FortiGate high-throughput Unified Threat Management (UTM) next-generation firewall models, with high port density, IPS, web filtering, antivirus, antispam, and Ipsec VPNs.
- Integrated router firewall that combines firewall with router capabilities in a single, simple managed service to reduce complexity and cost via consolidation of network devices.
- Design, implementation, and management of firewall policy rules, along with device configurations, equipment procurement and installation, life cycle management and break-fix services.
- Support for multiple firewall configurations to provide traffic filtering, Dynamic Host Configuration Protocol (DHCP) server functionality, adjusting policies based on user identity, support for virtual LANs (VLANs) and different trust zones.
- Access to security portal for log collection/retention and event monitoring.
- Security event monitoring and escalation provided by global 24x7 Security Operations Centers (SOC).

The Managed Premises Firewall service consists of a single firewall instance configurable with optional integrated routing capability and security features. These security features can be enabled individually or bundled together as full Unified Threat Management (UTM) support including:

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- **Stateful Firewall (required)** – Network firewall that tracks the operating state and characteristics of network connections traversing it. The firewall is configured to distinguish legitimate packets for different types of connections. Only packets matching a known active connection can pass the firewall.
- **Integrated Router Firewall** – Combined firewall with integrated router capabilities in a single, simple managed service that supports dynamic routing, static routing, and Ipsec tunnels (site-site, site-ANS, site-3rd Party, up to 10), including split tunnel configuration at no additional charge. High Availability initial configuration with dynamic routing is limited using a customer provided premises switch. This is an optional, non-price-impacting configuration with any quoted firewall and security features.
- **(IPS) Managed Intrusion Prevention Service** – Consists of management and monitoring of network-based intrusion detection and prevention capabilities at the customer's network edge. Traffic matching signatures of known attacks will generate alerts and may also be blocked on a per-signature basis.
- **Web Filtering** – Consists of management and monitoring of content filtering policies to block access to websites based on categories. The customer selects which categories to block and permit, and can allow policy overrides based on user, group, or source IP address, and they can define customer-specific local categories and ratings
- **Antivirus** – Blocks unwanted and potentially malicious files from entering the customer's network via HTTP, FTP, IMAP, POP3, SMTP, or NNTP protocols. Files can be blocked based on both file attachment type or filename suffix, as well as for matching known virus signature patterns. Currently there is no support for SSL/TLS-encrypted protocols or for direct customer access to quarantined blocked content
- **Antispam** – Blocks or tags unwanted email entering the customer's network via IMAP, POP3, and SMTP protocols based on criteria such as reputation of source IP, or fully qualified domain name (FQDN), URLs, and message keywords. There is no support for quarantining blocked messages.
- **IPSec VPN (Site to Site) configuration** – Can be used to communicate securely to remote sites by using the internet as a transport. IPSec VPN allows the secure transmission of data, voice and video between two sites (e.g. offices or branches). This is an optional, non-price-impacting configuration with any quoted firewall and security features.

Lumen security personnel are critical to the design, delivery and ongoing support of the service. They are trained and qualified to deliver Fortinet solutions and have a broad understanding of security threats. Security subject matter experts can be found on our security sales, design, and delivery teams, and those within the SOC who manage and monitor our customers' firewall and security policies.

- Lumen Sales and Sales Engineer work with customer to assess managed security needs and provide design and engineering support for customer solutions.
- Service Guide clarifies service features, post-activation support and change types.
- Further assistance for determining requirements, assessing existing security policies, or identifying existing vulnerability and risks can be provided with Lumen Professional Security Services for an additional fee.

- Customer Care Manager (CCM) coordinates with customer for set up, installation and activation of the managed premises firewall service and equipment.
- Technical Design Engineer works with customer to capture customer firewall configuration requirements.

- Lumen Control Center customer portal for all ticketing and access to Security reports in near-real time, and firewall policy configurations (requires user authentication.)
- Security Operations Center (SOC) to monitor, notify, handle security events, implement basic logical firewall policy changes, and break-fix for equipment failure.

The following table summarizes a typical office size mapping to recommended premises firewall model based on security feature configuration and throughput

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Office Device Size	Model	Configuration	Throughput*
Small	FortiGate 60E	Firewall Only	300 Mbps
		Firewall + IPS	240 Mbps
		Firewall + WCF or IPS+WCF	40 Mbps
		Firewall + UTM	16 Mbps
Medium	FortiGate 100E	Firewall Only	1.3 Gbps
		Firewall + IPS	1 Gbps
		Firewall + WCF or IPS+WCF	55 Mbps
		Firewall + UTM	22 Mbps
Large	FortiGate 200E	Firewall Only	2 Gbps
		Firewall + IPS	1.6 Gbps
		Firewall + WCF or IPS+WCF	240 Mbps
		Firewall + UTM	96 Mbps
X-Large	FortiGate 500E	Firewall Only	10 Gbps
		Firewall + IPS	8 Gbps
		Firewall + WCF or IPS+WCF	2 Gbps
		Firewall + UTM	800 Mbps
XX-Large	FortiGate 2000E	Firewall Only	10 Gbps
		Firewall + IPS	8 Gbps
		Firewall + WCF or IPS+WCF	4.6 Gbps
		Firewall + UTM	1.84 Gbps
			*bi-directional send & receive

Definitions: IPS = Intrusion Protection Service, WCF = Web Content Filtering, AS = Antispam, AV = Antivirus, UTM = Unified Threat Management (any combination of AV and/or AS, IPS, WCF.)

Pricing Structure

The Managed Premises Firewall service monthly recurring charge (MRC) and one-time non-recurring charge (NRC) pricing is based on the selected Office Device Size and security feature described above.

Service Components

The following describe the service components for Managed Premises Firewall Services.

- **Dedicated Firewall:** Includes hardware and any software required for the service, which may be provided and/or licensed from third parties. Customer may choose to purchase additional security features, as described in the Service Overview.
- **Design/Configuration/Installation:** Lumen provides design, configuration, installation, and coordination with customer to define and implement the agreed firewall policy as outlined in the Responsibilities section.
- **Rule Set Changes:** Lumen performs ongoing firewall configuration changes upon customer request. Lumen reserves the right to not implement a requested rule-set configuration change where Lumen deems change as unnecessary or may have adverse impact on the service.
- **Configuration Backup:** Lumen will back up the full firewall configuration policy daily, and the policy each time a change is made. Lumen can revert to the last configured policy.
- **System Administration**: Lumen will manage all system administration and firewall passwords, and does not permit customer Read or Write access to firewalls.
- **Security Event Monitoring:** The Lumen SOC actively monitors security events on 24x7 basis. SOC analysts will investigate and handle incidents, alerting on critical issues and generating standard reports on events available via the Lumen Control Center customer portal. Lumen can provide professional services for on-site incident response, security audit, and business process/security policy creation.

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- **Attack Notification:** When the customer notifies Lumen of an attack, Lumen will make firewall policy modifications where attack can be mitigated by a firewall policy change.
- **Testing:** Lumen will perform system testing as described in Responsibilities section.
- **Maintenance and Support:** Includes 24/7 support for firewall problem resolution, customer inquiries, vendor-based management and patches.
- **Software Updates:** Lumen may periodically update the software, hardware, or other components of the services to maintain the latest vendor-supported versions. Lumen will monitor, test, and evaluate new vendor software releases prior to installation to ensure updates will work for customer with minimal impacts to current performance and security. If an update is necessary, Lumen will work with customer to schedule a time to make necessary changes, typically during scheduled maintenance windows.
- **Hardware Repair:** Lumen is responsible for the replacement of hardware if a failure occurs, unless the customer is responsible for the damage. Customer will have responsibility for the physical network installation of the replacement firewall appliance on customer's premises. Where the customer is unable to provide on-site installation, they can order 24/7 maintenance with engineer coverage–subject to country availability – for an additional charge. Customer must ensure the engineer can obtain access to the site to complete any replacement work.
- **End of Life Policy (EOL):** This is the last date available to receive service and support for equipment. If the Lumen-provided equipment has reached the manufacturer's EOL date, Lumen will work with the customer prior to the EOL date to replace the EOL devices. Lumen will not commit to managing a device longer than the vendor that manufactures that device supports the hardware and software on the device, and may replace with comparable FortiGate models

Technical Features

The following describes the technical features for Managed Premises Firewall Service. Features available to a customer will depend on the feature set they have selected.

Managed Premises Firewall – The primary function is to define and enforce policy rules for traffic that is permitted to enter or is blocked from entering the customer's network.

- **Network Address Translation (NAT)** is an important component to the firewall functionality of most enterprise networks. NAT standards are defined in RFC 3022, which is used to reduce Ipv4 address consumption and hide internal systems by allowing IP addresses to be shared by multiple devices. This feature may be used in both outbound (traffic originating inside the customer's network) and inbound (traffic entering a customer's network) directions. Inbound NAT – The initiation of connections and subsequent address/port translation (or forwarding) from external hosts in the public domain or in unprotected networks such as extranets or other departments to internal hosts. The service supports 1:1 NAT, 1:1 NAT with VIP and 1:1 NAT with Port Forwarding.
- **Outbound NAT** – the initiation of connections and subsequent address/port translation from the enterprise's internal network to external hosts in the public domain, or in unprotected networks such as extranets or even other departments. We support simple (SNAT), Dynamic (IP Pools) and static source (1:1 NAT).
- **No NAT** – This option allows customer traffic to pass through the firewall without performing any sort of network address translation. As a best practice for customers that have both no-NAT (public) and NAT (private) services, a customer's private address space (IP VPN traffic) is kept on a separate broadcast domain as the customer's public (Internet) address space.

Stateful Packet Inspection – Layer 3 stateful packet inspection (L3SPI) evaluates packets in the context of the specific flows to which they belong (such as: TCP streams, UDP communications) and performs IP packet integrity checks. This enables the firewall to identify and isolate malicious payloads slipped into active data streams. Only packets matching a known connection state will be allowed by the firewall; others will be rejected. It also performs statistical modelling to identify unusual traffic patterns such as denial of service/distributed denial of service (DoS/DdoS), network scanning, or probing. This solution identifies and isolates a wide range of attacks including: DOS attacks (such as SYN flood); network-level attacks such as IP fragmentation or Internet Control

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Message Protocol (ICMP) "ping of death" attacks; and transport layer attacks such as port scans or teardrop attacks.

The firewall inspects and blocks abusive traffic pertaining to: Floods (scans, spoofing and sweeps), host-based Denial of Service, IP option anomalies, TCP/IP anomalies, and it provides TCP SYN cookie defense. No additional requirements are needed by the customer.

Application Layer Gateway – The stateful firewall function also supports application layer gateway for special handling of protocols such as HTTP, FTP, and DNS. Unlike other applications that use fixed TCP/UDP port assignments to communicate with other hosts and/or servers, applications such as those listed above may use dynamic TCP/UDP ports during communication with end devices. To support this variability, the firewall must be provisioned to explicitly open a large number of ports rendering the network vulnerable to attacks on those ports. An ALG will keep session state, and act as a proxy for these types of applications, synchronizing between multiple streams/sessions of data exchanged between two hosts. The ALG understands the protocol used by the specific applications that it supports and will dynamically allow communications between the two end devices, without explicitly defining security policies on the firewall.

Policy Access Control Lists (ACLs) – Access control list policies are a set of rules that determine which traffic passes to/from the public, external, untrusted network to the private, internal, trust network based on IP session details (also known as "inter-zone" policies.)

Firewall Screening – Screening secures a zone by inspecting, and then allowing or denying, all connection attempts that require crossing an interface to that zone. For example, customers can apply port-scan protection on the untrusted zone to stop a remote source from identifying services or vulnerabilities to target for attacks. The firewall service default is proxy-based protection.

Transparent Mode – The firewall can be configured as a layer-two device, a "bump in the line." In transparent mode (also known as Pass-Thru mode), the DHCP server option is unavailable and Dynamic NAT is the only form of NAT available, while routing and load balancing capabilities are not available. This is not currently enabled with the Integrated Router Firewall configuration.

DHCP Services – Dynamic Host Configuration Protocol (DHCP) is used to pass configuration information to clients on the local network. It automatically allocates reusable network addresses and passes configuration options to requesting clients. Firewalls may be used to support standard DHCP configurations.

VLAN's – Virtual LANs (VLANs) allow layer-two logical separation of network traffic on the same ethernet subnet by using IEEE 802.1q tagging. VLANs are supported via logical interfaces on the device. The interfaces may have their own, specific firewall policies.

Zones – Are a logical construct used to simplify firewall policy management by creating groups of interfaces that share common security requirements.

Identity Based Policy – Firewall policy rules can be defined based on the individual user's traffic traversing the firewall. These rules require that the user be authenticated to the firewall. Microsoft Active Directory is currently the only supported authentication method. This requires the deployment of an FSSO agent on the customers AD servers.

Intrusion Detection / Intrusion Prevention – Lumen Managed Intrusion Prevention is offered in two configurations: 1) Intrusion Prevention, in which all IPS signatures result in the default action (alert and drop, or just alert) as defined by the Fortinet FortiGuard service. 2) Intrusion Detection, in which all signatures generate only alerts.

- **Intrusion Detection and Intrusion Prevention** is a rich set of features that identify and block known and unknown network compromises --, as well as potential system exploits – from impacting the customer's resources. Intrusion prevention systems act as a control tool, and intrusion detection is a visibility tool. Vulnerability exploits, buffer overflows, and port scans are detected using proven methods, and prevention mechanisms are activated. Intrusion detection systems sit off to the side of the network, monitoring traffic at various points. By leveraging the Lumen portal as a single pane of glass, customers who select IPS /IDS technology enjoy a unified threat management experience. This service is supported by experienced SOC professionals who work closely with Lumen Black Lotus Labs and third parties to identify threats.

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- The **Intrusion Prevention** is applied in conjunction with the customer's defined firewall policies and information about the assets being protected. Filters define which sets of signatures are relevant to the given assets. For example, filters are used to identify rules relevant to whether an asset is a workstation or a server, the type of operating system in use and the specific applications running. It is important to use filters to reduce the amount of overhead the Managed Intrusion Prevention service uses, and to avoid false positive alerts.
- The **Fail-Open** feature causes the Intrusion Prevention service to allow traffic to pass in the event of a failure of the service. If this feature is disabled, all traffic will be blocked in the event of a failure. Any such failure generates a high-priority alert to the SOC and action will be taken to restore service.

Web Filtering service allows the customer to block end users from accessing certain websites based on categories, as defined in the FortiGuard service. Any given category may be blocked or not blocked. It is possible to override settings for a specific user, group, or IP address.

- **Web Content Filtering in the European Union** must be limited to blocking content that the customer can justify on the basis of network efficiency or illegality (e.g., under Section 3 (3) of the UK Regulation of Investigatory Powers Act [RIPA]).
- **Default Categories** – More than 90 categories can be used to apply internet usage policy to limit access and how much time is spent on these sites to maximize employee productivity. Any category can be blocked or not blocked (override).
- **Local Categories and Ratings** – Customers can create their own local categories or refine a specific URL so it falls into a different category or subcategory.
- **Safe Search** – Causes supported search engines to enforce their Safe Search option, even if it is not selected by the end user. Supported search engines are Google, Yahoo and Bing.
- **SSL certificate inspection** – SSL certificate inspection of HTTPS destinations is supported with Web Content Filtering and not IPS to validate if a website is on a black or white list.
- **Web Content Filtering Logs** – Web content filtering blocked, warning, and monitor events are logged as standard based on Fortinet FortiGuard definitions. These logs are available when requested during the technical design with the customer. Logs are available up to 90 days.
- **IP Address Black/White List** – Customers may provide their own list of IP addresses associated with known spammers to put on a blacklist and known legitimate mail servers to put on a white list.

Anti-Virus – Antivirus is a group of features designed to prevent unwanted and potentially malicious files from entering customer network, which includes checking for file size, name, or type for the presence of a virus or grayware signature. The feature examines files for viruses, worms, trojans, and other malware using a database of virus signature to identify infections. Specific firewall policy rules can be associated with protocols that transfer files, namely HTTP, FTP, IMAP, POP3, SMB, NNTP. Antivirus signatures are provided by the FortiGuard service. A File Filter allows blocking of files by file type or name patterns (e.g., all files ending in ".zip").

Anti-Spam – Antispam used to manage unsolicited commercial email by detecting and identifying spam messages from known or suspected spam servers. Antispam is applied via firewall policies related to IMAP, POP3, SMTP, Mapi, msn-hotmail, yahoo-mail, gmail services. Identified spam may be 1) blocked or 2) tagged and allowed to pass through. Antispam databases are provided by FortiGuard. This includes IP Address Checking, URL Checking, Email Checksum Checking, Spam Submission, IP Address Black/White List Check of mail servers, Helo DNS Lookup, Email Address Black/White List Check, Returned Email DNS Check, Banned Word Check.

IPSec VPN (Site to Site) – This functionality creates an encrypted IPSec tunnel via the internet to connect remote sites to each other.

Integrated Router Firewall – This functionality is a firewall with an integrated router capability, which eliminates the need for dual router and firewall devices at no additional price. Supports dynamic routing, static routing, Ipsec tunneling (site to site, site to Lumen Adaptive Network Security, site to 3rd Party, up to 10) including split

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tunneling configuration. High availability configuration with integrated router and dynamic routing must have a separate customer premises switch at this time.

High Availability Configuration – Firewalls can be offered in a high-availability configuration using FortiGate Clustering Protocol (FGCP). FGCP synchronizes configuration and session information between a pair of firewalls using a crossover cable between the devices. This is supported via an active/passive configuration.

Customer Service Support

The Managed Premises Firewall service comes with a standard 24/7 technical service support and various levels of part replacements based on the country where the equipment is physically located. This varies from next-business-day parts replacement to best-effort replacement.

Hardware Replacement

Lumen standard offer includes advanced replacement next business day delivery return material authorization (RMA) in 35+ countries. Countries where we are unable to provide next-day delivery will have a best-effort delivery.

Customers can request an upgrade to same parts delivered on-site or within four hours RMA by our vendor as a separate Professional Security Service.

Customers will work with their Lumen sales representative to qualify these service options based on country and city.

Change Management

Customers may request physical and logical changes to their Managed Premises Firewall Service.

Physical changes are submitted via a MACD (Move, Add, Change, Delete) via your CCM or Sales and Sales Engineering account team. Charges may apply.

Logical changes are changes to the technical features and are identified as either Basic, Moderate or Advanced. Only authorized customer representatives can raise logical changes.

Basic Logical Change requests do not directly impact customers' overall solution design. The process for submitting a change request is via Lumen SOC through the customer portal. Customers will get five free Basic changes per month, per device without a charge. Any changes that exceed five per month or are submitted outside of the customer portal to the SOC will have an additional charge. Examples basic changes are:

- Add/Change/Delete firewall policy to add/remove rules
- Add/Change/Delete web filter rules (whitelist/blacklist, local categories, ratings)
- Add/Change/Delete enforcement for Web 2.0 access
- Enabling/disabling intrusion detection prevention signature or changing action for signature
- Enabling existing antivirus policy or antispam policy on a firewall policy
- Changing existing antivirus settings for filter configuration, add/remove exempt IP address setting
- Changing antispam settings for spam action, IP addresses, banned words, banned emails.
- Add/Change/Delete a Static IP Route
- Add/Change/Delete NAT configurations
- Updating speed/duplex of firewall instance
- Modification of existing CPE DHCP server configurations
- Manually obtaining health and performance of statistics at customer's request

Moderate Logical Change requests are additions or augmentations of the existing service that do not impact the overall spirit of the solution design, but which require more evaluation and planning than a Basic Logical Change and which may impact the availability or use of the service while the change is implemented. The process for submitting change requests is via your CCM or Sales and Sales Engineer to modify the solution design. Moderate Logical Changes will incur change fees. Examples are:

- Adding/Removal a subnet.
- Addition of another device/access circuit
- Logical activation of a new interface (e.g. a new DMZ, a new LAN interface, a new untrusted interface)

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- Modifying authentication configuration (e.g. web filter user/group-based permission authorization servers; user/group-based rule authorization servers).
- Changing the default antivirus database (e.g. Extended, Extreme)
- Adding new antivirus profile, file or filter.
- Adding new antispam profile.
- Changes to logging requirements (e.g. space limitations, logging servers, logging levels).
- Addition/Deletion/Changes to Ipsec tunnel configurations.
- Addition/Removal/Physical modification of hardware.
- Adding DHCP Server configuration to CPE.

Advanced Logical Changes are changes that modify the overall flow of traffic or solution design. The process for submitting requests for Advanced Logical Changes is via your CCM or Sales and Sales Engineer to modify the solution design. Advanced Logical Changes will incur charges at the rates identified for the feature updates. Examples are:

- Addition/Removal/Changes of high availability configuration.
- Addition of a new service offering on the managed premises firewall (IPS, Web Filtering, AV, AS)
- Addition/Removal of a new service feature

Lumen will use reasonable efforts to evaluate Basic Logical changes within six hours of customer security contact validation and approval, and will schedule and implement within 24 hours of validation. Advanced changes will be scheduled on an individual case basis depending on the nature of the changes requested. Lumen will use reasonable efforts to acknowledge receipt of each request on the next business day following receipt of requests. These are service level objectives only. No service credits or other remedies apply to failure to achieve these objectives

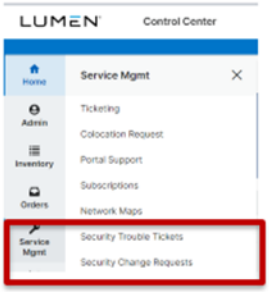
Service Resolution

Customers can submit a security incident trouble ticket (service management) to the Lumen SOC via:

Control Center | Service Mgmt

Select Security Trouble Ticket → New Security Ticket.

Instructions are located. Here.



Managed Premises Firewall SOC

Please visit the Contact Us page for region specific contact information:
https://www.lumen.com/en-us/contact-us-support.html

- Asia Pacific
- Europe, the Middle East and Africa
- Latin America
- North America

Lumen will use reasonable efforts to achieve the resolution timeframes for incidents starting with Lumen's validation and confirmation from the customer that action is necessary:

Priority Level	Target Resolution Time Basic/Standard Package	Target Resolution Time Premium/Unlimited Packages
Emergency Priority 1 – Critical Network or application attack that has rendered customer's network inoperable.	Within 2 hours	Within 1 hour
Priority 2 – High Network or application attack that has caused essential applications or functionality to be significantly impaired.	Within 4 hours	Within 2 hours
Priority 3 – Medium	Within 10 hours	Within 6 hours

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Priority Level	Target Resolution Time Basic/Standard Package	Target Resolution Time Premium/Unlimited Packages
An internal unforeseen Customer network or application security issue or industry vulnerability.		
Priority 4 – Low* A non-time sensitive reported security issue. An informational request that may be explained in Portal FAQs, but nonetheless customer would like to speak about the issue. Includes tuning requests.	Within 24hours	Within 12hours

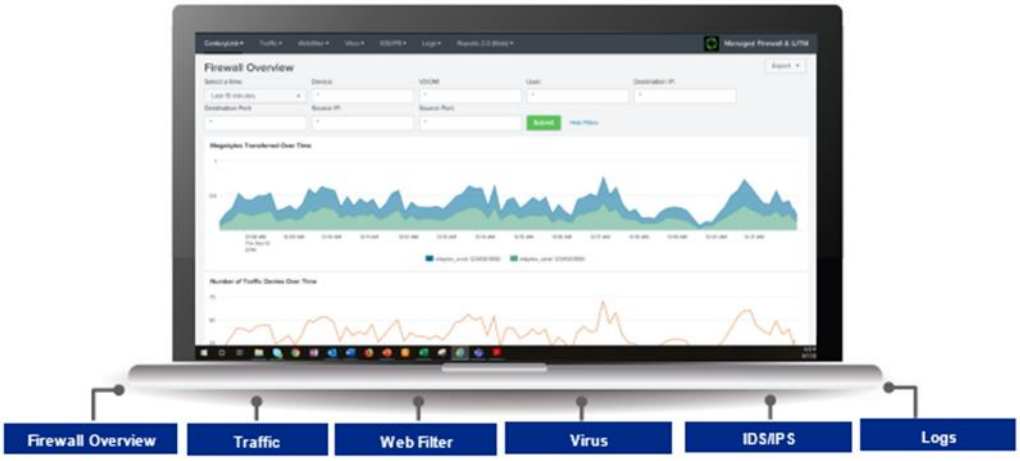
* For Low priority incidents, the metrics are service objectives only. No service credits or other remedy will apply for failure to achieve these objectives.

The full escalation procedure can be found at http://repairescalations.Lumen.com/

Portal and Reporting

Lumen provides near real-time log management reporting through the Lumen Control Center customer portal.

The Security customer portal is used for log management, retention and reporting via the Security Solution Analytics – Reports section. User access requires two-factor authentication subject to access control lists administered by the customer.



Comprehensive reports on corporate web activity – event logs provide reports of corporate web activity, sites visited, time spent online, infected users and malicious content blocked. There is a dashboard summary of key events and detailed report view of event logs displayed as:

- Customer defined logs - During the customer onboarding process, the customer and the Lumen Technical Design Engineer will identify which requests to log.
- Log Storage Retention - The standard log storage retention is a rolling 90 days. Customers can purchase Lumen Security Log Monitoring for a requirement greater than 90 days.

Go to www.lumen.com/securitysolutions to sign in with your secure 2FA Control Center login.

Responsibilities

The following summarizes the roles and responsibilities across Lumen and Customer:

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Activity	Tasks	Lumen	Customer
Design and Installation	• Firewall security solution including selection of firewall appliances that meet customer firewall policy and architecture requirements. • Detailed Design and technical features delivered within the service supported by Lumen. • Verification firewall device configuration meets customer security requirements • Initial set-up consultation	X	X
	• Creation of customer rules that govern the firewall device configuration policies. • Provide all required information during initial consultation		X
	• Installation of physical devices using Lumen standard, including racking and cabling. Default is Lumen field technician unless customer requests shipping of the physical device and self - installation. • Installation of operating system, applicable patches, Lumen based build configuration (logging and alert configuration).	X	
Configuration	• Configure alert policy and response procedures • Deploy Firewall policy • Perform one-time security review of network configuration, firewall ruleset, provide recommendations for security improvements. • Provide configuration of firewall hardware and software to the Customer's rule-based Internet security policy. • Set device to steady state operational status based on customer acceptance.	X	
Administration	• Adherence to industry standard security, privacy, and all other applicable compliance, regulations.	X	X
	• Request and gain approval of changes to firewall policy rules via the Customer's change management process • Request policy review to enhance the performance of the firewall policy, as needed. • Oversee the continuous observation of firewall log events • Conduct periodic testing to verify that firewall rules are functioning as expected and to confirm that the firewall policy rules remain in compliance with customer security policy.		X
	• Change firewall policy rules after appropriately approved via Lumen's change management process • Carry out the regular backup of firewall configuration and policies. • Provide hit count against Customer firewall at Customer's request. • Provide an explanation of the firewall reports and statistics provided in the applicable portal, upon request. • Monitor firewall resource utilization. • Conduct ICMP (e.g., ping) monitoring of firewall to determine system availability (24/7). • In event firewall fails to respond, Lumen will initiate corrective action.	X	
	• Verification of the rule set. Includes both reviewing the rule set manually and testing whether the rules work as expected.		

Pricing: Click here to view the LUMEN Customer Premises Based FW Price List.

2.3.25 Security Non-Customer Premises Based Firewall (FW)

Service Overview

The Lumen Managed Premises Firewall Service includes specialized security processes, people and technology designed to help safeguard customers' networks and applications. This includes comprehensive design, configuration, implementation, management, and monitoring of security services located at the customer premises site(s). Highlights:

- Utilize market-leading Fortinet FortiGate high-throughput Unified Threat Management (UTM) next-generation firewall models, with high port density, IPS, web filtering, antivirus, antispam, and Ipsec VPNs.
- Integrated router firewall that combines firewall with router capabilities in a single, simple managed service to reduce complexity and cost via consolidation of network devices.
- Design, implementation, and management of firewall policy rules, along with device configurations, equipment procurement and installation, life cycle management and break-fix services.

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- Support for multiple firewall configurations to provide traffic filtering, Dynamic Host Configuration Protocol (DHCP) server functionality, adjusting policies based on user identity, support for virtual LANs (VLANs) and different trust zones.
- Access to security portal for log collection/retention and event monitoring.
- Security event monitoring and escalation provided by global 24x7 Security Operations Centers (SOC).

The Managed Premises Firewall service consists of a single firewall instance configurable with optional integrated routing capability and security features. These security features can be enabled individually or bundled together as full Unified Threat Management (UTM) support including:

- **Stateful Firewall (required)** – Network firewall that tracks the operating state and characteristics of network connections traversing it. The firewall is configured to distinguish legitimate packets for different types of connections. Only packets matching a known active connection can pass the firewall.
- **Integrated Router Firewall** – Combined firewall with integrated router capabilities in a single, simple managed service that supports dynamic routing, static routing, and Ipsec tunnels (site-site, site-ANS, site-3rd Party, up to 10), including split tunnel configuration at no additional charge. High Availability initial configuration with dynamic routing is limited using a customer provided premises switch. This is an optional, non-price-impacting configuration with any quoted firewall and security features.
- **(IPS) Managed Intrusion Prevention Service** – Consists of management and monitoring of network-based intrusion detection and prevention capabilities at the customer's network edge. Traffic matching signatures of known attacks will generate alerts and may also be blocked on a per-signature basis.
- **Web Filtering** – Consists of management and monitoring of content filtering policies to block access to websites based on categories. The customer selects which categories to block and permit, and can allow policy overrides based on user, group, or source IP address, and they can define customer-specific local categories and ratings
- **Antivirus** – Blocks unwanted and potentially malicious files from entering the customer's network via HTTP, FTP, IMAP, POP3, SMTP, or NNTP protocols. Files can be blocked based on both file attachment type or filename suffix, as well as for matching known virus signature patterns. Currently there is no support for SSL/TLS-encrypted protocols or for direct customer access to quarantined blocked content
- **Antispam** – Blocks or tags unwanted email entering the customer's network via IMAP, POP3, and SMTP protocols based on criteria such as reputation of source IP, or fully qualified domain name (FQDN), URLs, and message keywords. There is no support for quarantining blocked messages.
- **IPSec VPN (Site to Site) configuration** – Can be used to communicate securely to remote sites by using the internet as a transport. IPSec VPN allows the secure transmission of data, voice and video between two sites (e.g. offices or branches). This is an optional, non-price-impacting configuration with any quoted firewall and security features.

Lumen security personnel are critical to the design, delivery and ongoing support of the service. They are trained and qualified to deliver Fortinet solutions and have a broad understanding of security threats. Security subject matter experts can be found on our security sales, design, and delivery teams, and those within the SOC who manage and monitor our customers' firewall and security policies.

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- Lumen Sales and Sales Engineer work with customer to assess managed security needs and provide design and engineering support for customer solutions.
- Service Guide clarifies service features, post-activation support and change types.
- Further assistance for determining requirements, assessing existing security policies, or identifying existing vulnerability and risks can be provided with Lumen Professional Security Services for an additional fee.

- Customer Care Manager (CCM) coordinates with customer for set up, installation and activation of the managed premises firewall service and equipment.
- Technical Design Engineer works with customer to capture customer firewall configuration requirements.

- Lumen Control Center customer portal for all ticketing and access to Security reports in near-real time, and firewall policy configurations (requires user authentication.)
- Security Operations Center (SOC) to monitor, notify, handle security events, implement basic logical firewall policy changes, and break-fix for equipment failure.

The following table summarizes a typical office size mapping to recommended premises firewall model based on security feature configuration and throughput

Office Device Size	Model	Configuration	Throughput*
Small	FortiGate 60E	Firewall Only	300 Mbps
		Firewall + IPS	240 Mbps
		Firewall + WCF or IPS+WCF	40 Mbps
		Firewall + UTM	16 Mbps
Medium	FortiGate 100E	Firewall Only	1.3 Gbps
		Firewall + IPS	1 Gbps
		Firewall + WCF or IPS+WCF	55 Mbps
		Firewall + UTM	22 Mbps
Large	FortiGate 200E	Firewall Only	2 Gbps
		Firewall + IPS	1.6 Gbps
		Firewall + WCF or IPS+WCF	240 Mbps
		Firewall + UTM	96 Mbps
X-Large	FortiGate 500E	Firewall Only	10 Gbps
		Firewall + IPS	8 Gbps
		Firewall + WCF or IPS+WCF	2 Gbps
		Firewall + UTM	800 Mbps
XX-Large	FortiGate 2000E	Firewall Only	10 Gbps
		Firewall + IPS	8 Gbps
		Firewall + WCF or IPS+WCF	4.6 Gbps
		Firewall + UTM	1.84 Gbps
			*bi-directional send & receive

Definitions: IPS = Intrusion Protection Service, WCF = Web Content Filtering, AS = Antispam, AV = Antivirus, UTM = Unified Threat Management (any combination of AV and/or AS, IPS, WCF.)

Pricing Structure

The Managed Premises Firewall service monthly recurring charge (MRC) and one-time non-recurring charge (NRC) pricing is based on the selected Office Device Size and security feature described above.

Service Components

The following describe the service components for Managed Premises Firewall Services.

- **Dedicated Firewall:** Includes hardware and any software required for the service, which may be provided and/or licensed from third parties. Customer may choose to purchase additional security features, as described in the Service Overview.

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- **Design/Configuration/Installation:** Lumen provides design, configuration, installation, and coordination with customer to define and implement the agreed firewall policy as outlined in the Responsibilities section.
- **Rule Set Changes:** Lumen performs ongoing firewall configuration changes upon customer request. Lumen reserves the right to not implement a requested rule-set configuration change where Lumen deems change as unnecessary or may have adverse impact on the service.
- **Configuration Backup:** Lumen will back up the full firewall configuration policy daily, and the policy each time a change is made. Lumen can revert to the last configured policy.
- **System Administration:** Lumen will manage all system administration and firewall passwords, and does not permit customer Read or Write access to firewalls.
- **Security Event Monitoring:** The Lumen SOC actively monitors security events on 24x7 basis. SOC analysts will investigate and handle incidents, alerting on critical issues and generating standard reports on events available via the Lumen Control Center customer portal. Lumen can provide professional services for on-site incident response, security audit, and business process/security policy creation.
- **Attack Notification:** When the customer notifies Lumen of an attack, Lumen will make firewall policy modifications where attack can be mitigated by a firewall policy change.
- **Testing:** Lumen will perform system testing as described in Responsibilities section.
- **Maintenance and Support:** Includes 24/7 support for firewall problem resolution, customer inquiries, vendor-based management and patches.
- **Software Updates:** Lumen may periodically update the software, hardware, or other components of the services to maintain the latest vendor-supported versions. Lumen will monitor, test, and evaluate new vendor software releases prior to installation to ensure updates will work for customer with minimal impacts to current performance and security. If an update is necessary, Lumen will work with customer to schedule a time to make necessary changes, typically during scheduled maintenance windows.
- **Hardware Repair:** Lumen is responsible for the replacement of hardware if a failure occurs, unless the customer is responsible for the damage. Customer will have responsibility for the physical network installation of the replacement firewall appliance on customer's premises. Where the customer is unable to provide on-site installation, they can order 24/7 maintenance with engineer coverage–subject to country availability – for an additional charge. Customer must ensure the engineer can obtain access to the site to complete any replacement work.
- **End of Life Policy (EOL):** This is the last date available to receive service and support for equipment. If the Lumen-provided equipment has reached the manufacturer's EOL date, Lumen will work with thecustomer prior to the EOL date to replace the EOL devices. Lumen will not commit to managing a device longer than the vendor that manufactures that device supports the hardware and software on the device, and may replace with comparable FortiGate models

Technical Features

The following describes the technical features for Managed Premises Firewall Service. Features available to a customer will depend on the feature set they have selected.

Managed Premises Firewall – The primary function is to define and enforce policy rules for traffic that is permitted to enter or is blocked from entering the customer's network.

- **Network Address Translation (NAT)** is an important component to the firewall functionality of most enterprise networks. NAT standards are defined in RFC 3022, which is used to reduce Ipv4 address consumption and hide internal systems by allowing IP addresses to be shared by multiple devices. This feature may be used in both outbound (traffic originating inside the customer's network) and inbound (traffic entering a customer's network) directions. Inbound NAT – The initiation of connections and subsequent address/port translation (or forwarding) from external hosts in the public domain or in

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unprotected networks such as extranets or other departments to internal hosts. The service supports 1:1 NAT, 1:1 NAT with VIP and 1:1 NAT with Port Forwarding.

- **Outbound NAT** – the initiation of connections and subsequent address/port translation from the enterprise's internal network to external hosts in the public domain, or in unprotected networks such as extranets or even other departments. We support simple (SNAT), Dynamic (IP Pools) and static source (1:1 NAT).

No NAT – This option allows customer traffic to pass through the firewall without performing any sort of network address translation. As a best practice for customers that have both no-NAT (public) and NAT (private) services, a customer's private address space (IP VPN traffic) is kept on a separate broadcast domain as the customer's public (Internet) address space.

Stateful Packet Inspection – Layer 3 stateful packet inspection (L3SPI) evaluates packets in the context of the specific flows to which they belong (such as: TCP streams, UDP communications) and performs IP packet integrity checks. This enables the firewall to identify and isolate malicious payloads slipped into active data streams. Only packets matching a known connection state will be allowed by the firewall; others will be rejected. It also performs statistical modelling to identify unusual traffic patterns such as denial of service/distributed denial of service (DoS/DdoS), network scanning, or probing. This solution identifies and isolates a wide range of attacks including: DOS attacks (such as SYN flood); network-level attacks such as IP fragmentation or Internet Control Message Protocol (ICMP) "ping of death" attacks; and transport layer attacks such as port scans or teardrop attacks.

- The firewall inspects and blocks abusive traffic pertaining to: Floods (scans, spoofing and sweeps), host-based Denial of Service, IP option anomalies, TCP/IP anomalies, and it provides TCP SYN cookie defense. No additional requirements are needed by the customer.

Application Layer Gateway – The stateful firewall function also supports application layer gateway for special handling of protocols such as HTTP, FTP, and DNS. Unlike other applications that use fixed TCP/UDP port assignments to communicate with other hosts and/or servers, applications such as those listed above may use dynamic TCP/UDP ports during communication with end devices. To support this variability, the firewall must be provisioned to explicitly open a large number of ports rendering the network vulnerable to attacks on those ports. An ALG will keep session state, and act as a proxy for these types of applications, synchronizing between multiple streams/sessions of data exchanged between two hosts. The ALG understands the protocol used by the specific applications that it supports and will dynamically allow communications between the two end devices, without explicitly defining security policies on the firewall.

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Transparent Mode – The firewall can be configured as a layer-two device, a "bump in the line." In transparent mode (also known as Pass-Thru mode), the DHCP server option is unavailable and Dynamic NAT is the only form of NAT available, while routing and load balancing capabilities are not available. This is not currently enabled with the Integrated Router Firewall configuration.

DHCP Services – Dynamic Host Configuration Protocol (DHCP) is used to pass configuration information to clients on the local network. It automatically allocates reusable network addresses and passes configuration options to requesting clients. Firewalls may be used to support standard DHCP configurations.

VLAN's – Virtual LANs (VLANs) allow layer-two logical separation of network traffic on the same ethernet subnet by using IEEE 802.1q tagging. VLANs are supported via logical interfaces on the device. The interfaces may have their own, specific firewall policies.

Zones – Are a logical construct used to simplify firewall policy management by creating groups of interfaces that share common security requirements.

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Identity Based Policy – Firewall policy rules can be defined based on the individual user's traffic traversing the firewall. These rules require that the user be authenticated to the firewall. Microsoft Active Directory is currently the only supported authentication method. This requires the deployment of an FSSO agent on the customers AD servers.

Intrusion Detection / Intrusion Prevention – Lumen Managed Intrusion Prevention is offered in two configurations: 1) Intrusion Prevention, in which all IPS signatures result in the default action (alert and drop, or just alert) as defined by the Fortinet FortiGuard service. 2) Intrusion Detection, in which all signatures generate only alerts.

- Intrusion Detection and Intrusion Prevention is a rich set of features that identify and block known and unknown network compromises --, as well as potential system exploits – from impacting the customer's resources. Intrusion prevention systems act as a control tool, and intrusion detection is a visibility tool. Vulnerability exploits, buffer overflows, and port scans are detected using proven methods, and prevention mechanisms are activated. Intrusion detection systems sit off to the side of the network, monitoring traffic at various points. By leveraging the Lumen portal as a single pane of glass, customers who select IPS /IDS technology enjoy a unified threat management experience. This service is supported by experienced SOC professionals who work closely with Lumen Black Lotus Labs and third parties to identify threats.
- The Intrusion Prevention is applied in conjunction with the customer's defined firewall policies and information about the assets being protected. Filters define which sets of signatures are relevant to the given assets. For example, filters are used to identify rules relevant to whether an asset is a workstation or a server, the type of operating system in use and the specific applications running. It is important to use filters to reduce the amount of overhead the Managed Intrusion Prevention service uses, and to avoid false positive alerts.
- The Fail-Open feature causes the Intrusion Prevention service to allow traffic to pass in the event of a failure of the service. If this feature is disabled, all traffic will be blocked in the event of a failure. Any such failure generates a high-priority alert to the SOC and action will be taken to restore service.

Web Filtering service allows the customer to block end users from accessing certain websites based on categories, as defined in the FortiGuard service. Any given category may be blocked or not blocked. It is possible to override settings for a specific user, group, or IP address.

- **Web Content Filtering** in the European Union must be limited to blocking content that the customer can justify on the basis of network efficiency or illegality (e.g., under Section 3 (3) of the UK Regulation of Investigatory Powers Act [RIPA]).
- **Default Categories** – More than 90 categories can be used to apply internet usage policy to limit access and how much time is spent on these sites to maximize employee productivity. Any category can be blocked or not blocked (override).
- **Local Categories and Ratings** – Customers can create their own local categories or refine a specific URL so it falls into a different category or subcategory.
- **Safe Search** – Causes supported search engines to enforce their Safe Search option, even if it is not selected by the end user. Supported search engines are Google, Yahoo and Bing.
- **SSL certificate inspection** – SSL certificate inspection of HTTPS destinations is supported with Web Content Filtering and not IPS to validate if a website is on a black or white list.
- **Web Content Filtering Logs** – Web content filtering blocked, warning, and monitor events are logged as standard based on Fortinet FortiGuard definitions. These logs are available when requested during the technical design with the customer. Logs are available up to 90 days.
- **IP Address Black/White List** – Customers may provide their own list of IP addresses associated with known spammers to put on a blacklist and known legitimate mail servers to put on a white list.

Anti-Virus – Antivirus is a group of features designed to prevent unwanted and potentially malicious files from entering customer network, which includes checking for file size, name, or type for the presence of a virus or grayware signature. The feature examines files for viruses, worms, trojans, and other malware using a database

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of virus signature to identify infections. Specific firewall policy rules can be associated with protocols that transfer files, namely HTTP, FTP, IMAP, POP3, SMB, NNTP. Antivirus signatures are provided by the FortiGuard service. A File Filter allows blocking of files by file type or name patterns (e.g., all files ending in ".zip").

Anti-Spam – Antispam used to manage unsolicited commercial email by detecting and identifying spam messages from known or suspected spam servers. Antispam is applied via firewall policies related to IMAP, POP3, SMTP, Mapi, msn-hotmail, yahoo-mail, gmail services. Identified spam may be 1) blocked or 2) tagged and allowed to pass through. Antispam databases are provided by FortiGuard. This includes IP Address Checking, URL Checking, Email Checksum Checking, Spam Submission, IP Address Black/White List Check of mail servers, Helo DNS Lookup, Email Address Black/White List Check, Returned Email DNS Check, Banned Word Check.

IPSec VPN (Site to Site) – This functionality creates an encrypted IPSec tunnel via the internet to connect remote sites to each other.

Integrated Router Firewall – This functionality is a firewall with an integrated router capability, which eliminates the need for dual router and firewall devices at no additional price. Supports dynamic routing, static routing, Ipsec tunneling (site to site, site to Lumen Adaptive Network Security, site to 3rd Party, up to 10) including split tunneling configuration. High availability configuration with integrated router and dynamic routing must have a separate customer premises switch at this time.

High Availability Configuration – Firewalls can be offered in a high-availability configuration using FortiGate Clustering Protocol (FGCP). FGCP synchronizes configuration and session information between a pair of firewalls using a crossover cable between the devices. This is supported via an active/passive configuration.

Customer Service Support

The Managed Premises Firewall service comes with a standard 24/7 technical service support and various levels of part replacements based on the country where the equipment is physically located. This varies from next-business-day parts replacement to best-effort replacement.

Hardware Replacement

Lumen standard offer includes advanced replacement next business day delivery return material authorization (RMA) in 35+ countries. Countries where we are unable to provide next-day delivery will have a best-effort delivery.

Customers can request an upgrade to same parts delivered on-site or within four hours RMA by our vendor as a separate Professional Security Service.

Customers will work with their Lumen sales representative to qualify these service options based on country and city.

Change Management

Customers may request physical and logical changes to their Managed Premises Firewall Service.

Physical changes are submitted via a MACD (Move, Add, Change, Delete) via your CCM or Sales and Sales Engineering account team. Charges may apply.

Logical changes are changes to the technical features and are identified as either Basic, Moderate or Advanced. Only authorized customer representatives can raise logical changes.

Basic Logical Change requests do not directly impact customers' overall solution design. The process for submitting a change request is via Lumen SOC through the customer portal. Customers will get five free Basic changes per month, per device without a charge. Any changes that exceed five per month or are submitted outside of the customer portal to the SOC will have an additional charge. Examples basic changes are:

- Add/Change/Delete firewall policy to add/remove rules
- Add/Change/Delete web filter rules (whitelist/blacklist, local categories, ratings)
- Add/Change/Delete enforcement for Web 2.0 access
- Enabling/disabling intrusion detection prevention signature or changing action for signature
- Enabling existing antivirus policy or antispam policy on a firewall policy
- Changing existing antivirus settings for filter configuration, add/remove exempt IP address setting

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- Changing antispam settings for spam action, IP addresses, banned words, banned emails.
- Add/Change/Delete a Static IP Route
- Add/Change/Delete NAT configurations
- Updating speed/duplex of firewall instance
- Modification of existing CPE DHCP server configurations
- Manually obtaining health and performance of statistics at customer's request

Moderate Logical Change requests are additions or augmentations of the existing service that do not impact the overall spirit of the solution design, but which require more evaluation and planning than a Basic Logical Change and which may impact the availability or use of the service while the change is implemented. The process for submitting change requests is via your CCM or Sales and Sales Engineer to modify the solution design. Moderate Logical Changes will incur change fees. Examples are:

- Adding/Removal a subnet.
- Addition of another device/access circuit
- Logical activation of a new interface (e.g. a new DMZ, a new LAN interface, a new untrusted interface)
- Modifying authentication configuration (e.g. web filter user/group-based permission authorization servers; user/group-based rule authorization servers).
- Changing the default antivirus database (e.g. Extended, Extreme)
- Adding new antivirus profile, file or filter.
- Adding new antispam profile.
- Changes to logging requirements (e.g. space limitations, logging servers, logging levels).
- Addition/Deletion/Changes to Ipsec tunnel configurations.
- Addition/Removal/Physical modification of hardware.
- Adding DHCP Server configuration to CPE.

Advanced Logical Changes are changes that modify the overall flow of traffic or solution design. The process for submitting requests for Advanced Logical Changes is via your CCM or Sales and Sales Engineer to modify the solution design. Advanced Logical Changes will incur charges at the rates identified for the feature updates. Examples are:

- Addition/Removal/Changes of high availability configuration.
- Addition of a new service offering on the managed premises firewall (IPS, Web Filtering, AV, AS)
- Addition/Removal of a new service feature

Lumen will use reasonable efforts to evaluate Basic Logical changes within six hours of customer security contact validation and approval, and will schedule and implement within 24 hours of validation. Advanced changes will be scheduled on an individual case basis depending on the nature of the changes requested. Lumen will use reasonable efforts to acknowledge receipt of each request on the next business day following receipt of requests. These are service level objectives only. No service credits or other remedies apply to failure to achieve these objectives

Service Resolution

Customers can submit a security incident trouble ticket (service management) to the Lumen SOC via:

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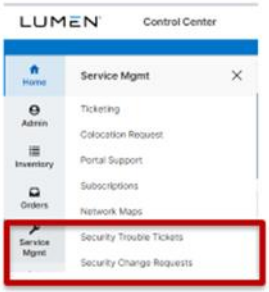
Control Center | Service Mgmt

Select Security Trouble Ticket → New Security Ticket.

Instructions are located. Here.



Managed Premises Firewall SOC

Please visit the Contact Us page for region specific contact information:
https://www.lumen.com/en-us/contact-us-support.html

- Asia Pacific
- Europe, the Middle East and Africa
- Latin America
- North America

Lumen will use reasonable efforts to achieve the resolution timeframes for incidents starting with Lumen's validation and confirmation from the customer that action is necessary:

Priority Level	Target Resolution Time Basic/Standard Package	Target Resolution Time Premium/Unlimited Packages
Emergency Priority 1 – Critical Network or application attack that has rendered customer's network inoperable.	Within 2 hours	Within 1 hour
Priority 2 – High Network or application attack that has caused essential applications or functionality to be significantly impaired.	Within 4 hours	Within 2 hours
Priority 3 – Medium An internal unforeseen Customer network or application security issue or industry vulnerability.	Within 10 hours	Within 6 hours
Priority 4 – Low* A non-time sensitive reported security issue. An informational request that may be explained in Portal FAQs, but nonetheless customer would like to speak about the issue. Includes tuning requests	Within 24hours	Within 12hours

* For Low priority incidents, the metrics are service objectives only. No service credits or other remedy will apply for failure to achieve these objectives.

The full escalation procedure can be found at http://repairescalations.Lumen.com/

Portal and Reporting

Lumen provides near real-time log management reporting through the Lumen Control Center customer portal.

The Security customer portal is used for log management, retention and reporting via the Security Solution Analytics – Reports section. User access requires two-factor authentication subject to access control lists administered by the customer.

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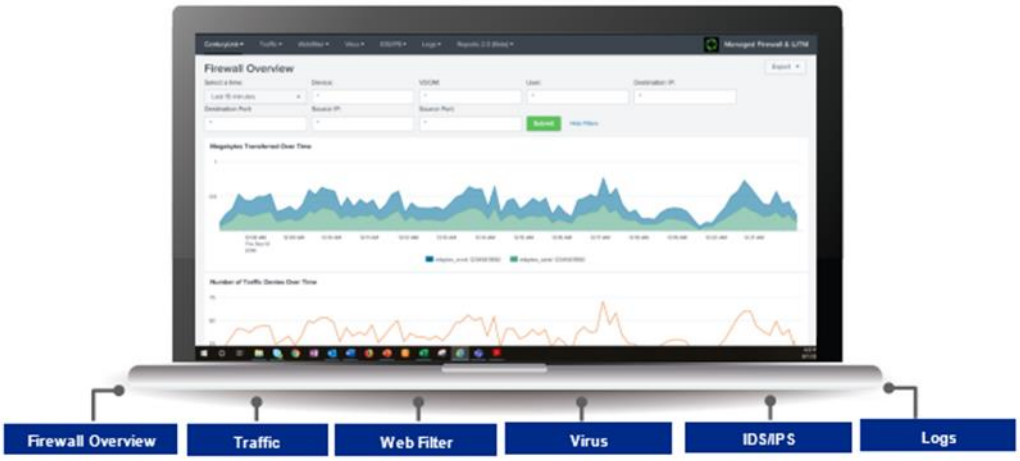

Comprehensive reports on corporate web activity – event logs provide reports of corporate web activity, sites visited, time spent online, infected users and malicious content blocked. There is a dashboard summary of key events and detailed report view of event logs displayed as:

- Customer defined logs - During the customer onboarding process, the customer and the Lumen Technical Design Engineer will identify which requests to log.
- Log Storage Retention - The standard log storage retention is a rolling 90 days. Customers can purchase Lumen Security Log Monitoring for a requirement greater than 90 days.

Go to www.lumen.com/securitysolutions to sign in with your secure 2FA Control Center login.

Responsibilities

The following summarizes the roles and responsibilities across Lumen and Customer:

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Activity	Tasks	Lumen	Customer
Design and Installation	• Firewall security solution including selection of firewall appliances that meet customer firewall policy and architecture requirements. • Detailed Design and technical features delivered within the service supported by Lumen. • Verification firewall device configuration meets customer security requirements • Initial set-up consultation	X	X
	• Creation of customer rules that govern the firewall device configuration policies. • Provide all required information during initial consultation		X
	• Installation of physical devices using Lumen standard, including racking and cabling. Default is Lumen field technician unless customer requests shipping of the physical device and self - installation. • Installation of operating system, applicable patches, Lumen based build configuration (logging and alert configuration).	X	
Configuration	• Configure alert policy and response procedures • Deploy Firewall policy • Perform one-time security review of network configuration, firewall ruleset, provide recommendations for security improvements. • Provide configuration of firewall hardware and software to the Customer's rule-based Internet security policy. • Set device to steady state operational status based on customer acceptance.	X	
Administration	• Adherence to industry standard security, privacy, and all other applicable compliance, regulations.	X	X
	• Request and gain approval of changes to firewall policy rules via the Customer's change management process • Request policy review to enhance the performance of the firewall policy, as needed. • Oversee the continuous observation of firewall log events • Conduct periodic testing to verify that firewall rules are functioning as expected and to confirm that the firewall policy rules remain in compliance with customer security policy.		X
	• Change firewall policy rules after appropriately approved via Lumen's change management process • Carry out the regular backup of firewall configuration and policies. • Provide hit count against Customer firewall at Customer's request. • Provide an explanation of the firewall reports and statistics provided in the applicable portal, upon request. • Monitor firewall resource utilization. • Conduct ICMP (e.g., ping) monitoring of firewall to determine system availability (24/7). • In event firewall fails to respond, Lumen will initiate corrective action.	X	
	• Verification of the rule set. Includes both reviewing the rule set manually and testing whether the rules work as expected.		

Pricing: Click here to view the LUMEN Non-Customer Premises Based FW Price List

2.3.26 Managed Hosting Edge Hosting Environment (EHE)

This Service Guide ("SG") sets forth a description of the Lumen Edge Hosting Environment (the "Service") offered by Lumen, including technical details and additional requirements or terms. "Lumen" is defined as CenturyLink Communications, LLC d/b/a Lumen Technologies Group or its affiliated entities. This SG is subject to and incorporated into the Agreement and Hybrid Technologies Service Exhibit (formerly the CenturyLink TS Service Exhibit), including the Hosting Service Schedule between the parties. The specific details of the Service ordered by Customer will be set forth on the relevant Service Order

1. Service Description

Lumen's Edge Hosting Environment (EHE) is a hosting solution that improves latency and extends Lumen's managed services capability by moving Customer's computing resources closer to their edge environment. The EHE provides the means to utilize both Lumen Managed Hosting Services and various Lumen managed services via Lumen provided EHE Equipment and network connectivity and may be applied in the following locations selected by Customer in the applicable Service Order:

- a Customer's premise;

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- Customer's contracted collocated environment(s); or
- Lumen provided space via Lumen provided EHE Equipment and network connectivity; which may be an existing Lumen data center where Lumen has a core Hosting environment or a new third-party space contracted by Lumen on Customer's behalf.

Edge Hosting Environment is a means for Customers to achieve certain technology requirements such as improved latency for hybrid IT environments and adherence to regulatory and compliance mandates. Lumen Managed Hosting and managed services availability may depend on location and type of connectivity purchased by Customers. Managed Hosting examples include, but are not limited to, Lumen Private Cloud, Lumen Network Storage, and Data Protect Backup. EHE is currently available within the U.S. and certain locations within Europe and Asia Pacific.

2. Service Components

2.1 Service Types available for any of the locations identified above.

- **Essential** — The Essential service type is a baseline service which includes Lumen-managed EHE Equipment that provides monitoring, management, and support of EHE Equipment. Internet connectivity is required, which is the responsibility of the Customer.

- **Complete** — The Complete service type includes all of the Essential services, plus additional Lumen managed services such as backup and storage services or secure firewall services via a direct network connection to a Lumen Managed Hosting data center to enable the Customer to utilize services remotely if the location is not already a Lumen Managed Hosting data center. This service type requires a dedicated circuit with 100 Mb minimum bandwidth which may either be provided by the Customer or acquired through Lumen. Lumen provided connectivity is subject to separate terms and conditions and SLAs may vary.

- **Enterprise** — The Enterprise service type includes all of the capabilities of Complete service type plus additional capabilities such as virtual machine (VM) replication, storage replication, moving/sharing workloads and data sets, and other feature types available under Lumen's Managed Hosting suite of services. The Enterprise service type includes a pair of Lumen provided switches for redundancy and connectivity options. A dedicated circuit, provided by either Customer or Lumen, is required with 100 Mb minimum bandwidth. Certain features within the Managed Hosting suite of services may require higher bandwidths.

2.1.1 Included in each Service Type

- Subject to 2.2 below, IP addresses
- Troubleshooting of Lumen-provided components
- EHE Equipment
- Monitoring, management, and support of EHE Equipment

2.1.2 Not included in any of the Service Types

- Cabling or optics
- Dedicated circuits
- Out of band circuits
- Network connectivity either provided by Lumen pursuant to separate terms and conditions, or by Customer via a third party

2.2 IP Addresses

Lumen will use good faith efforts to assign Internet address space for the benefit of Customer during the EHE service term. Any IP addresses and space provided to Customer by Lumen are solely for Customer's use with the Service and are non-portable and non-transferable and are subject to Lumen's IP policies. Neither Customer nor any end user will own or route any IP addresses or space provided by Lumen, and, upon any termination of Service, Customer's access to such IP addresses and space will cease.

2.3 Add-on Services

There are currently no available add-ons for this service.

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2.4 Integration with Web Portal

EHE Equipment and Service metrics are viewable via the applicable Portal. Customers may use the Portal to view statistics and manage reports related to the Service.

2.5 Deployment

EHE can be deployed as follows:

- Customer provided locations fit into one of two categories:

1. Customer is directly responsible for managing and maintaining the physical space that will house EHE Equipment and Customer's equipment, including power, temp, and humidity (i.e. colocation environment), or

2. Customer contracts with a third-party data center to provide and manage the physical space that will house the EHE Equipment and Customer's equipment that Customer has access to.

Lumen provided locations can be one of the following two categories:

1. Data centers where Lumen has a core Hosting environment, or

2. Lumen procured environment operated and maintained by third-party provider.

3. Maintenance and Support

3.1 Sustaining Engineering

Lumen switches provided as part of EHE Equipment utilize Cisco NXOS and ACI technologies. NXOS is Cisco's legacy technology for handling network routing and ACI is Cisco's latest technology, which allows for software-defined capability. Technological capability varies by Lumen Managed Hosting data center. The purchase of Lumen's Advanced Managed Services (contracted, ordered, and priced separately) may be required as detailed below based on Customer needs.

The following table shows various automation elements that may vary by region or market. Those supported by ACI will not require Lumen's Advanced Managed Services whereas those supported by NXOS will require it. Maintaining NXOS requires two additional hours per month for automation, upgrades, and sustained engineering respectively, as described in the table below. Additional hours of Advanced Managed Services above the minimum will be billed separately.

Capability of the Service based on technology selected by Customer	ACI	NXOS	NXOS Advanced Managed Services Minimum Hours
Automation – provisioning of new network routes	Yes	No (Implemented by Advanced Managed Service team)	2 per month
Upgrades – code changes pushed to systems	Upgraded as datacenter gets upgraded	Separate upgrade window needed	2 per month
Sustained Engineering – ongoing upgrades to system	Upgraded as datacenter gets upgraded	Separate upgrade window needed	2 per month
Integration with Lumen's HAN	Yes	No	
East/West Traffic – traffic flow of EHE Equipment	Yes – Requires additional gear deployment at Customer expense	Yes	
Datacenter Services – access to Lumen's monitoring service	Yes	Yes	
Single pane of glass for support – visibility into EHE Equipment via the Portal	No	No	

3.2 Change Management

All changes to the Lumen managed applications, systems, network and facilities are subject to Lumen's change management process. This change management process is intended to confirm that changes are reviewed for completeness (risk assessment, completed test procedure, metrics for measuring progress, back out procedure, etc.) and accuracy prior to scheduling and implementation.

Patch Releases:

Lumen compiles, packages, certifies, approves and delivers software patches for installation on the EHE Equipment. Any outages directly caused by Customer's failure to accept the implementation of a patch will not be subject to the EHE SLA, as detailed in Exhibit B.

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3.3 Upgrades

Lumen may periodically upgrade the hardware or the relevant operating software on EHE Equipment to conform with the latest tested and approved versions. If Lumen determines an upgrade is necessary, Lumen will perform the upgrade during its standard maintenance window. Customer must allow Lumen to make these changes within five business days of receipt of the request from Lumen, or Lumen's obligation to provide the EHE in accordance with this Lumen Service Guide will be suspended until Customer grants Lumen the access required to make such changes. If Lumen determines that an emergency security change is required, Lumen will make the change as quickly as possible. Lumen will use commercially reasonable attempts to contact the Customer's technical contact prior to said change.

Lumen does not automatically upgrade every Customer environment. If a newer version of software has been tested and approved by Lumen, and the Customer wishes to upgrade, they may proactively request this via a support ticket.

3.4 Maintenance Windows

Lumen will use commercially reasonable efforts to perform routine maintenance only during defined maintenance windows. See our published Maintenance Window schedule, or navigate to https://www.ctl.io/legal/managed-hosting/maintenance-windows/ from any Internet browser. Lumen has the right to perform scheduled maintenance (during the windows specified), which may limit or suspend the availability of the Services. Lumen will provide Customer with at least ten (10) days prior notice of any scheduled maintenance activities. In addition to providing written notice, Lumen maintenance notifications are available via the Managed Services Portal.

Lumen will provide the following:

3.5 Support

24x7 post-installation monitoring and management by the Lumen Service Center

24x7 support

Coordinate patching with Customer during maintenance hours

A limited number of status reports will be available for customer viewing in the Managed Service Portal

4. Lumen Responsibilities

Lumen is responsible for obtaining and installing all applicable licenses for software residing on EHE Equipment. The version of software installed will be the latest Lumen approved release. All EHE

4.1 Licensing

Equipment and software licenses will be owned and maintained by Lumen and are not transferrable.

4.2 Installation & Configuration

- Lumen will provide installation and configuration for each Edge Hosting Environment, including installing the EHE Equipment and deploying the latest Lumen-approved software for the devices.
- Lumen will meet with the Customer to perform a review of the Customer's network configuration and Edge Hosting Environment requirements to discuss options for configuring the Service.
- Lumen will work with the Customer to connect the Edge Hosting Environment to additional service components that may have been purchased and as agreed upon with the Customer.
- Validation and testing of connectivity.

4.3 Administration

- To maintain configuration consistency and accountability for changes, all system administration and device passwords will be managed by Lumen.
- Lumen system administrators will perform ongoing, reasonable EHE configuration changes as requested by the Customer (see change detail below).
- Lumen will provide ongoing administrative support for standard additions, deletions and changes to the existing configuration (e.g., adding or removing a server or an IP).
- System health checks are conducted to determine availability of the EHE Equipment. In the event that the EHE Equipment fails to respond, Lumen will notify Customer and initiate corrective action.

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- Lumen will act on any change requests submitted by Customer, following Lumen's standard change management process.

5. Customer Responsibilities

Customer acknowledges and agrees that its failure to perform its obligations may result in Lumen's inability to perform the Services and Lumen will not be liable for any failure to perform, including any SLAs in the event of Customer's failure. In addition, Lumen is not responsible for any loss or corruption of data or information.

If any third-party software, including any corresponding documentation, is provided to Customer by Lumen in connection with the Service, Customer agrees to be bound by any additional licensing terms and conditions applicable to such third-party software and that it will use such third-party

5.1 Licensing

software strictly in accordance with such terms and conditions. Lumen makes no representations or warranties whatsoever regarding such third-party software.

5.2 Installation & Configuration

- Where applicable, Customer must provide IP architecture for all network connections to real and managed servers, depending on the environment.
- The Customer will, using Lumen's standard procedures, notify Lumen of the initial and later changes to be configured by Lumen on the EHE Equipment.
- In order for Lumen to properly configure and install the EHE Equipment, when applicable, Customer must provide Lumen with a topology of their existing network, server architecture, port 80 and 443 (and other ports as deemed necessary by Customer) requirements, and throughput requirements.
- Because persistence methods vary with regard to configuration requirements, the Customer must provide all information deemed necessary for Lumen to properly configure the persistence element of the load-balancing service (if selected).
- Customer will not (nor instruct nor permit any other party to) make any physical changes or take actions that would reduce the effectiveness of the EHE Equipment.
- If the Customer declines to purchase Internet service through Lumen, the Customer must have a reliable and stable Internet connection. A connection is defined as unstable if it results in three false alarms per month. If there are three false alarms, the Customer will be charged a $300, or local currency equivalent, false alarm fee. After the first alarm, the Customer may contact the Lumen Response Center to discontinue the monitoring after which such time, Lumen will temporarily cease delivering the monitoring service as set forth in the "Monitoring" section of this SG.

5.3 Environmental Requirements

Installations at a Customer premise or Customer-provided third-party sites require Customer adherence to the Environmental Requirements for EHE Equipment, detailed in Exhibit A. Notwithstanding anything to the contrary in related Lumen Service Guides, if Customer's architected solution utilizes any on-premise hardware, whether Lumen-owned or Customer-provided, the Environmental Requirements are applied to all integrated equipment. Customer's failure to adhere to the Environmental Requirements voids the Service SLA and may impede Lumen from providing the Service or any of the related support activities without further obligation or liability to Lumen.

Customer acknowledges that it retains the risk of loss for, loss of (including, without limitation, loss of use), or damage to, EHE Equipment, including any the Lumen provided and integrated equipment, including as a result of failure to comply with the Environmental Requirements. Customer will, within 30 days of invoice, reimburse Lumen for (i) replacement value of EHE Equipment as new at then current prices if the equipment is not capable of repair (as determined by Lumen), or (ii) the repair cost.

5.4 Customer Obligations related to EHE Equipment

(a) Lumen or in certain jurisdictions, a Lumen supplier will hold title to the EHE Equipment. Customer will keep all EHE Equipment free of liens and will not allow any liens, encumbrances, or claims to be levied against the EHE Equipment.

(b) Customer will not: (i) change, remove or obscure any labels, plates or insignia, lettering or other markings placed on the EHE Equipment; (ii) repair, replace or make physical modifications to EHE Equipment without written authorization from Lumen or Lumen's supplier; (iii) alter, disconnect or move the EHE Equipment from the

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designated address unless otherwise approved in writing by Lumen; or (vi) modify, decompile, unlock, reverse-engineer, disassemble, incorporate or use in any other works, create derivatives of, or copy any portion of, or otherwise translate the EHE Equipment and/or the associated software or attempt to reconstruct or discover any source code, underlying ideas, algorithms, file formats or programming interfaces of the EHE Equipment by whatever means.

(c) Customer will: (i) provide Lumen, and/or its suppliers with reasonable access to the EHE Equipment for inspection and maintenance; (iii) assure Customer provided or contracted locations are secure and comply with safety and health standards consistent with industry standards; (iv) comply with all license terms applicable to any software supplied with the EHE Equipment; (v) insure the EHE Equipment against loss from damage or theft in amounts reasonably acceptable to Lumen; (vi) maintain adequate security policies and procedures for the EHE Equipment, network or applications which interface with the EHE Equipment; (vii) if applicable, timely provide Lumen and its suppliers with any needed Customer completed import/export documentation and undertakings (including but not limited to acting as the importer of record if requested by Lumen or its suppliers).

5.5 Testing

Lumen will provide testing (functionality, connectivity, etc.) for the initial handoff of the EHE as well as testing for any subsequent code changes.

5.6 Maintenance and Support

Customer must request any changes by contacting Lumen support which can be found here. Customer must provide complete authentication credentials to the Lumen support when requesting changes.

6. Acknowledgements and Consent

6.1 Third-Party Components

Customer acknowledges that all third-party components of the Service are subject to the applicable vendor's decision to (i) not continue to provide or renew the Service with Lumen and/or (ii) modify or end of life a component(s). If any of the foregoing occurs, Lumen will use commercially reasonable efforts to migrate Customer to a comparable component or another Lumen service, at Lumen's discretion. Such migration will occur without regard to Customer's current term.

Lumen and its affiliated companies will not be liable to Customer or indemnify Customer for any claims of infringement of patent, copyright or other intellectual property right related to third-party software components.

6.2 Provide Contact

Designate and maintain a 24/7 Customer Contact during the service term and any applicable renewal term (including current contact information). "Customer Contact" means an English-speaking technical point of contact with sufficient knowledge, authority and access to address configuration issues, event notifications, system or infrastructure modifications and authentication of applicable systems.

6.3 Security Precautions

Neither Customer nor its representatives will attempt in any way to circumvent or otherwise interfere with any security precautions or measures of Lumen relating to the EHE Equipment.

6.4 Supportability

Lumen is not responsible for the Service or the SLA if any changes by Customer affect the infrastructure or monitoring capability of Lumen.

6.5 Data Transfer

- Customer consents that Lumen or its subcontractor(s) may access or use Customer's personal information (including business contact information) across its global geographic operations as necessary to provide, support or improve Services or to otherwise perform under the Agreement. Customer represents that it will ensure that all information provided to Lumen is accurate at all times and that any business contact has consented to Lumen's processing of such information for the purposes identified in this SG or the Agreement.
- Customer consents to Lumen collecting and compiling system and operational metrics data to determine trends and improve service capabilities. Lumen may associate this data with similar data of

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other Customers so long as such data is merged in a manner that will not in any way reveal the data as being attributable to any specific Customer. Customer acknowledges Lumen's access to Customer data is generally limited to machine/system generated information and/or metrics, however if required as part of Lumen's obligation to provide the Service, or requests by Customer, Lumen may have access to Customer data, including personal information.

7. Definitions

EHE Equipment: Networking equipment (e.g. switches) and related operating software provided by Lumen for the purpose of connecting endpoint to Lumen managed hosting data center(s) for the delivery of managed services.

Hosting Area Network (HAN): The managed networking infrastructure that supports Lumen Managed Hosting services.

IP Address: A numerical identification (logical address) that is assigned to devices participating in a computer network utilizing the Internet Protocol for communication between its nodes.

Managed Hosting: The suite of Lumen managed server services that includes Foundation Hosting, Intelligent Hosting, and Dedicated Cloud Compute.

MRC: Monthly Recurring Cost

Portal or Managed Services Portal: The "Portal" is the interface that ties together centralized systems that Lumen uses to provide services to customers. Included in the Portal are systems for order processing, provisioning, procurement, management and monitoring, change management, billing, customer support/ticketing and reporting.

Exhibit A

Environmental Requirements for EHE Equipment at Customer provided locations

Customer must maintain proper environmental conditions as required by Lumen, Lumen's supplier, or the EHE Equipment manufacturer.

FAILURE TO ADHERE TO THE ENVIRONMENTAL REQUIREMENTS DESCRIBED IN THIS EXHIBIT A WILL VOID ANY APPLICABLE SERVICE LEVEL AGREEMENT AND MAY RESULT IN Lumen'S INABILITY TO PROVIDE THE SERVICE.

RACK AND CABINET

Customer must provide one standard rack to host the EHE Equipment that meets either of the following requirements:

- Standard perforated cabinets
- Standard open four-post server rack

TEMPERATURE AND HUMIDITY

The Service must maintain the following Temperature and Humidity standards.

Data center temperature within the recommended ASHRAE range of 64.4°F to 80.6°F.

Data center non-condensing humidity range within the allowable ASHRAE range of 20% relative humidity to 80% relative humidity.

POWER

Customer will (i) maintain and utilize primary and redundant power sources and equipment capable of operating at 100% of load, without sustaining an outage solely caused by power being lost to just one of the two power sources, (ii) use cabling that meets national electrical and fire standards and any specification required by Lumen, (iii) maintain connection of EHE Equipment directly into both the A power source and the B power source, (iv) will not permit power utilization to exceed the recommended power rating and (v) will maintain all EHE Equipment in compliance with the electrical regulations of the region where such equipment is installed.

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Exhibit B

Service Level Agreement

Service Levels

This Service Level Agreement (SLA) applies to the availability of EHE Equipment and Customer's ability to utilize the EHE Equipment in order to access the applicable Managed Services Node. A Managed Services Node is the location within a data center in which Lumen operates and maintains the physical hardware associated with Edge Hosting Services. Service levels do not apply due to Excused Events identified below.

This SLA does not apply to those instances in which Customer provides its own connectivity between the EHE Equipment and the applicable Managed Service Node since Lumen does not have the ability to monitor the EHE Equipment.

The service levels applicable to Lumen provided connectivity or managed services purchased under separate terms and conditions will apply in addition to this SLA.

Availability. Lumen will use commercially reasonable efforts to have (i) the EHE Equipment available; and (ii) Customer be able to access the Managed Services Node99.982% of the total hours in a calendar month (the "Availability SLA").

"Service Unavailability" refers to a failure of EHE Equipment or Customer's inability to access the applicable Managed Service Node despite operational EHE Equipment (e.g. failure of Lumen provided connectivity or other equipment/hardware within Lumen's control). Customer is entitled to a service credit if one of the Service Unavailability scenarios applies in any calendar month. Service Unavailability is calculated from the timestamp when Lumen opens a trouble ticket following the report of a problem by the Customer until the time the ticket is closed. For Service Unavailability, Customer will be entitled to a service credit off the MRC for the affected Service based on the cumulative minutes of Service Unavailability in a calendar month in accordance with the table below.

Cumulative duration of Service Unavailability within a calendar month	Service Credits for Service Unavailability based on a percentage of monthly charges for the affected Services
≥ 7 minutes and < 60 minutes	5%
≥ 60 minutes and < 3 hours	15%
≥ 3 hours and < 6 hours	35%
≥ 6 hours and < 24 hours	50%
≥ 24 hours	100%

Response Time Service Level Objective ("Response Time SLOs). Lumen continuously monitors the EHE Equipment and provides on-site maintenance and repair once Lumen has detected the EHE Equipment has experienced a failure. The on-site coverage is as follows:

24-hour Response Time SLO with advanced replacement repair coverage and on-site coverage options available at each Customer site

Customers must request any service credit due under this SLA by submitting an e-mail to billing.department@lumen.com within sixty (60) calendar days of the conclusion of the month in which the

Service Credits

Service Unavailability(s) occurs. Customer waives any right to Service Credits not requested within this sixty (60) calendar day period. Service credits will be issued once validated by Lumen and applied toward the invoice which Customer receives no later than two (2) months following Customer's Service credit request. All performance calculations and applicable Service credits are based on Lumen records and data unless Customer can provide Lumen with clear and convincing evidences to the contrary.

Limitations

The applicable SLA provides Customer's sole and exclusive remedies for any Service interruptions, deficiencies, or failures of any kind. The service levels will not apply, and Customer will not be entitled to receive a credit or exercise a termination right under the applicable service level, for (i) failure of Customer provided equipment or any other failure or malfunction of equipment, applications, public internet, network or systems not owned, controlled or provided by Lumen; (ii) Customers' actions or omissions (including but not limited to not releasing

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the Service for testing/repair, failure or to provide timely approvals or consents, failure to provide and maintain current contact information and escalation lists; (iii) regularly scheduled maintenance or emergency maintenance; (iv) Lumen's lack of access to the Customer premises where reasonably required to restore any equipment, internet, network, or systems owned or controlled by Lumen and necessary to provide the Service; (v) Customer's failure to adhere to the Environmental Requirements, including equipment or system malfunctions; (vi) Customer failure to comply with Customer Responsibilities to the extent such failure results in a failure or inability to provide the Service; or (vii) Customer is in breach of its obligations under the Agreement or any applicable Service Attachments.

Pricing: Click here to view the LUMEN Edge Hosting Environment Price List

2.3.27 Managed Server Foundation Hosting (FH)

This Service Guide ("SG") sets forth a description of the Lumen Foundation Hosting Service (the "Service") offerings including technical details and additional requirements, if any. This SG is subject to and incorporated into the Agreement and Service Schedule between the parties. The specific details of the Service ordered by Customer will be set forth on the relevant Service Order. The specific details of the Service ordered by Customer will be set forth on the relevant Service Order. For avoidance of doubt, any references in the Agreement, Schedules, or Service Orders to SSG, shall mean SG.

Foundation Hosting Service

1 Standard Service Description: Managed Server 1.0: Managed Server (i.e. Foundation Hosting) is a managed hosting service. The standard "Service" consists of the installation, configuration, administration, monitoring, maintenance and support (the "Management") for the Components described in Section 1.0. The Service Level Agreement (SLA) associated with this Service Guide is the "Managed Hosting Services SLA".

1.1 Standard Service Components

1.1.1 Server Hardware: Dedicated physical computing hardware consisting of various CPU/processor, hard disk drive, and RAM memory values as selected by the Customer. Unless otherwise noted, each server is equipped with redundant power supplies. Once the Foundation Hosting node(s) are deployed, the Customer may use a Lumen-provided hardware interface to supply their own operating system, application software and respective licenses to complete the solution to meet their business needs. CenturyLink does not provide any licensing of Customer-provided operating systems, software or services with the Foundation Hosting Service.

1.1.2 Secure Physical Space: The Service is hosted in a Lumen managed Data Center with secured access

1.1.3 Hosted Area Network (HAN)

1.1.3.1 HAN/VLAN Ports: Lumen provides a single (redundant available upon request) physical

Ethernet connectivity to the Hosting Area Network. For customers who purchase Internet access, Lumen also provides access to a shared IP transit VLAN at the routing gateway of the HAN and a single VLAN per Customer per Data Center. Available VLAN Options are detailed in Table 2.0. Customer can purchase additional VLANs if needed (see Section 3.0) All ackbone networking infrastructure is redundant.

1.2 Installation Lumen will provide installation tasks marked with an "X" in the Lumen column in ***Table 1.0*** Roles and Responsibilities.

1.3 Configuration: Lumen will provide configuration tasks marked with an "X" in the Lumen column in T***able 1.0*** Roles and Responsibilities.

1.4 Administration: Lumen will provide administration tasks marked with an "X" in the Lumen column in ***Table 1.0*** Roles and Responsibilities.

1.4.1 Access: Lumen provides hardware management for all Foundation Hosting servers. In order to provide this additional level of management, Lumen must maintain full Administrator access to the Foundation Hosting server. Lumen also creates additional individual hardware interface accounts for Customer access as needed. All hardware interface actions are logged. Should the hardware configuration be altered or reset by the Customer, the SLA will not apply and Lumen will charge a setup fee to reconfigure hardware access to Lumen standards.

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1.4.2 Remote Customer Access: Customer will be provided with a remote Root/Console user interface, depending on hardware selected and available hardware interfaces, eliminating the need for physical access and allowing remote installation of operating system and applications by Customer. In addition, Console user/password federation management is managed by Lumen to allow a single Console user access to multiple servers as needed.

1.5 Monitoring: Lumen will provide administration tasks marked with an "X" in the Lumen column in Table 1.0 Roles and Responsibilities.

1.5.1 Monitored Object Credits: As part of the standard Service, Customers are given credits for

Monitored Objects (see Definitions). Lumen provides three monitoring credits with each

Managed Server. Credits can be used for URL, TCP and ICMP (see Definition) monitoring. Customers create automatic notification monitors in the Customer web portal. Two credits are required for each URL monitor and one credit is required for each TCP/ICMP network monitor. Additional monitoring credits can be purchased as needed (see Section 3.0).

1.5.1.1 URL monitor. Customer chooses the type (Content Match, Form Test, Authentication Test, or Transaction Thread). See Table 3.0 for additional information.

1.5.1.2 TCP Port Check: Checks the device from an Internet perspective and measures whether the device is available and responding. This form of monitoring ensures that the process or service is running and accepting requests on the network.

1.5.1.3 ICMP: ICMP (ping) monitoring checks the device from an "Internet" perspective and measures whether the device is available. This form of monitoring ensures that the device is active and available on the network.

1.6 Maintenance and Support: Lumen will provide administration tasks marked with an "X" in the Lumen column in Table 1.0 Roles and Responsibilities.

1.6.1 Change Management: All changes to the Lumen managed applications; systems, network and facilities are subject to Lumen change management process. This process is intended to confirm that work is reviewed for completeness (risk assessment, completed test procedure, metrics for measuring progress, back out procedure, etc.) and accuracy prior to scheduling and implementation.

1.6.2 Maintenance Windows: A period of time designated in advance by CenturyLink, during which preventive maintenance that could cause disruption of service may be performed. See agreed upon and current SLA documentation for specifics

1.6.3 Repairs: Lumen maintains all managed servers including repair and replacement of defective or failed hardware and the installation of hardware upgrades, as needed. At its discretion, Lumen subcontract support to the manufacturer or equivalent vendor in order to expediate repairs.

1.6.4 Support

Support for the Service is provided through the project manager during installation, content migration and Customer validation. At the point of go-live the Service is passed from project management to Lumen Service Center for full 24x7 monitoring and management. The point of go-live is when Customer notifies Lumen project manager that the environment is ready to golive.

1.6.5 End-of-Support: If any provider software or hardware no longer supports any version of software or hardware provided by Lumen as part of the Service, and Customer opts to continue its use, Lumen will use commercially reasonable efforts to continue providing the Service, however the Service Level Agreement (SLA) will no longer be applicable for the applicable hardware or software.

2. Customer Responsibilities: At Customer's option and expense Customer can choose to have Lumen complete one or more of the tasks in Table 1.0 with an "X" in the Customer column and/or the services listed below. The items can be added to the standard Service (described in Section 1.0) for an additional fee described in a separate Statement of Work ("SOW") or Service Order. Contact a sales representative for additional information.

2.1 Provide Contact: Designate and maintain a Customer Contact during the Service term (including current contact information). Customer Contact means a technical point of contact available 24x7 with sufficient

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knowledge, authority and access to address configuration issues, event notifications, system or infrastructure modifications and authentication of applicable Lumen systems.

2.2 Operating System: Operating system and application licensing, installation, configuration, monitoring and management are the responsibility of the Customer with Foundation Hosting Services. Failure to install the operating system will not delay the start of billing for the Foundation Hosting service.

2.3 Additional Terms: Customer will not assert any ownership interest whatsoever in the equipment or related software provided by CenturyLink or its licensors ("Lumen Equipment"). Customer will keep the Lumen Equipment free and clear from all liens, claims and encumbrances. Customer will take all such actions as reasonably determined by Lumen to be necessary to protect Lumen's interest in the Lumen Equipment.

2.4 Compatibilities: Customer is responsible for verifying hardware and software configuration capability. Lumen can provide further guidance to ensure compatibility between customer-needed software and Lumen infrastructure and hardware. Customer acknowledges and agrees that its failure to verify hardware, may result in Lumen's inability to perform the Services and Lumen shall not be liable for any failure to perform in the event of Customer failure.

3. Service Add-Ons: At Customer's option and expense Customer can choose to have Lumen complete one or more of the tasks in Table 1.0 with an "X" in the Customer column and/or the services listed below. The items can be added to the standard Service (described in Section 1.0) for an additional fee described in a separate Statement of Work ("SOW") or Service Order. Contact a sales representative for additional information.

3.1 Springboard Service: A Springboard Server is a recommended purchase option for Foundation Hosting Service customers (see Definitions).

3.2 Host Bust Adapters (HBAs): Customers who wish to connect their servers to Lumen's Utility Storage service, or wish to connect their server to any fibre channel-based servers, may add Fibre Channel HBAs. HBAs are single ported, 4 Gbps cards that are deployed in pairs for redundancy. All HBAs are subject to compatibility with Lumen infrastructure.

3.3 Load Balancing and SSL Acceleration: Provides load balancing and SSL acceleration services to the Hosting Area Network via optional managed dedicated or Virtual Services solutions. Server load balancing is the process of distributing service requests across a group of servers to address Customer requirements to optimize web applications performance. SSL acceleration is the process of offloading the processor intensive public key encryption algorithms involved in SSL transactions to a hardware accelerator.

3.4 Customer Access Extension: Lumen colocation Customers who wish to interconnect their colocation-based local area network with the Lumen HAN may purchase this service. Cross-connects are available in CAT5 and fiber-based connections. HAN Port activations must be purchased separately. The Customer Access Extension service provides a Gigabit-based Ethernet cross-connect from the HAN to a Customer's colocation-based network.

3.5 HAN Port Activation: Each Foundation Hosting server comes with One Gigabit Ethernet hardware interfaces on each server. Customers that require physical connectivity to the HAN may request a GigE HAN port activation(s).

3.6 Additional Network Interfaces: For Customers who wish to have additional physical HAN ports on their server; network interface expansion cards may be added to the server. Expansion cards are available in single, dual and quad port configurations. These additional network interface cards also require GigE HAN activation(s).

3.7 URL, TCP, and ICMP monitoring credits: Customer can purchase additional credits see Section 1.6.3.

3.8 Internet Bandwidth: Lumen uses the Lumen Internet Backbone for Internet transit services.

Lumen manages and monitors all connectivity points both within the Data Center and on the Lumen Internet backbone. Lumen Data Centers are pre-provisioned with Ethernet cabling from the aggregation switch to each rack to minimize implementation timeframes and accidental disruption of service from build-outs in the Data Center. Managed Hosting Customers that use the Internet to provide access to their hosted applications must have a burstable Internet component included with their solution. Packets moving to or from the Public Internet are charged for separately as a HAN service.

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3.9 Cloud Network Services (CNS): Cloud Network Service is a carrier-neutral, network-to-network interface that provides private IP connectivity to cloud services from any cloud service provider. With Cloud Network Service, CenturyLink offers intra-datacenter fiber cross-connect services to customer colocation cages, Lumen IQ services, and MPLS connections from other carriers. It can also be used to connect to Lumen Cloud's environment from various endpoints within Lumen Technology Solutions HAN network. These connections are then passed over a redundant, high-bandwidth connection to the any cloud service provider infrastructure.

3.10 Foundation Hosting within a Customer Colocation Cage: For Foundation Hosting services installed within a Customer's colocation cage or otherwise outside of the Lumen Managed Hosting area in the Lumen data center, the following additional restrictions shall apply: Foundation Hosting may not include hardware interface-managed network and services associated with it as described herein. Foundation Hosting shall not include and is not subject to the physical security and access controls provided within the Lumen Managed Hosting area of the Lumen data center. Customer shall provide CenturyLink with unfettered access to the Foundation Hosting servers. Failure to provide such access shall be deemed an Excluded Event in the event of a Service Level failure. Customer shall bear full responsibility for the payment of additional charges and fees resulting from Customer's failure to provide such unfettered access to Lumen or if extraordinary access methods are required.

3.11 Data Protect Backup: Lumen Data Protect Backup Service is a data protection service that includes the use of storage area network services, hosting area network services, and managed security services (where applicable) in a multi-tenant self-service environment. Lumen will specify required backup agent or equivalent functionality, including any required updates/upgrades as needed. See Data Protect Backup Service Guide for additional information.

Pricing: Click here to view the LUMEN Foundation Hosting Price List

2.3.28 Lumen Private Cloud on VMWare Cloud Foundation (VCF)

This Service Guide ("SG") sets forth a description of the Lumen Private Cloud on Vmware Cloud Foundation Services offered by Lumen (or the "Services"), including technical details. "Lumen" is defined as CenturyLink Communications, LLC d/b/a Lumen Technologies Group or its affiliated entities. This SG is subject to and incorporated into the Agreement, Hybrid Technologies Service Exhibit (formerly the CenturyLink TS Service Exhibit) and Hosting Service Schedule between the parties. The specific details of the Service ordered by Customer will be set forth on the relevant Service Order. For avoidance of doubt, any references in the Agreement, Schedule, or Service Orders to SSG, shall mean SG.

Service Description

Lumen Private Cloud on Vmware Cloud Foundation is a hosted private cloud service that provides a managed infrastructure for Customer's use. The infrastructure includes use of the physical servers, space and power for the servers, virtualization Software system licenses, network connectivity to layer 2 switches, use of integrated storage services, management and monitoring of the servers and underlying infrastructure hardware virtualization Software packages system, and use of Vmware Cloud Director (VCD) interface for automated instance provisioning. Lumen Private Cloud on Vmware Cloud Foundation is based on Lumen's Hybrid Cloud management strategy. For clarity, Lumen Private Cloud on Vmware Cloud Foundation uses Vmware's Cloud Foundation Architecture, including Software-Defined Networking and VSAN Storage for a completely integrated Hyper-converged Cloud Infrastructure.

VCD allows the Customer to configure the environment enabled by Lumen Private Cloud on Vmware Cloud Foundation.

The primary capabilities of Lumen Private Cloud on Vmware Cloud Foundation are:

- **Hyper-converged Infrastructure** – Integrated VSAN Storage with Nonvolatile Memory Express (NVMe) and Solid-State Drives (SSD) for High IOPS performance capable of greater than 100,000 IOPS.
- **Software-Defined Networking** – Providing Software-Defined – Firewalls, Server Load Balancer, VPNs, Routing and VLAN creation.
- **Scalable** – A minimum 4 Host stack that can be expanded to multiple 32 Host stacks. Capability to increment one Host at a time. Allows for meeting a broad range of a Customer's private cloud

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requirements. A more detailed description of a Lumen Private Cloud on Vmware Cloud Foundation Host is set forth below.

- Allows the Customer to bring their own IP Addresses, Public or Private.

Optional Add-on Services:

- Integration with Lumen Cloud Application Manager Services. Cloud Application Manager must be purchased and contracted for separately, and if purchased allows Customer to utilize the Application Lifecycle Management and multi-cloud management options for Managed OS and Managed Applications with Lumen Managed Services Anywhere.
- Subject to availability, Lumen Advanced Managed Services or a locally equivalent service for building out your environment and configuring moves adds and changes as requested by the Customer must be purchased separately.

Note: The Service Level Agreement ("SLA") applicable to this Service is the "Managed Hosting Services" SLA Attachment.

Lumen Private Cloud on Vmware Cloud Foundation Hosts

A Lumen Private Cloud on Vmware Cloud Foundation Host is a dedicated, physical server as well as licensing, monitoring and management of the Vmware Cloud Foundation Software Bundle, including vSphere Enterprise Plus, Software-Defined Data Center Manager, NSX Enterprise, VSAN Advanced and Vcenter. Lumen Private Cloud on Vmware Cloud Foundation Hosts are built upon the HPE ProLiant or Dell PowerEdge rack mount servers. Traditional server Hosts are available in various configurations. Lumen Private Cloud on Vmware Cloud Foundation Host options are the HPE DL-Gen10 or the Dell PowerEdge R640 with the Intel Scalable Xeon Platinum/Gold/Silver Series CPU Configuration Options. Note that a Minimum of 4 Hosts is required per stack

Standard Options			Custom Option
Small Configuratio	Medium Configuration	Large Configuration	Custom Configuration
20 cores	32 cores	36 cores	16-56 cores
128 GB RAM	256 GB RAM	512 GB RAM	128 GB to 3 TB RAM
5 TB usable storage (SSD) per Host	10 TB usable storage (SSD) per Host	15 TB usable storage (SSD) per Host	5 TB to 35 TB usable storage (SSD) per Host

Please note: RAM can be configured in 128 GB Increments. Usable storage can be configured in 2.5 TB or 5 TB increments with a 5 TB minimum per Host.

Each Host is connected to dual homed 10 GigE switches with 4 10 GigE Ports. Two 10 GigE Ports are for VSAN traffic only and two 10 GigE Ports are for Customer traffic and Vmware management. There is also a single GigE port connected for HPE Integrated Lights Out (ILO) or Integrated Dell Remote Access Controller (iDRAC) for remote management. Lumen and its vendors do not have access to any customer information or traffic transmitted via the Service.

Storage for Lumen Private Cloud on Vmware Cloud Foundation Hosts

All capacity storage provided with Lumen Private Cloud on Vmware Cloud Foundation is SSD Local Disks that are configured with Vmware VSAN as part of the standard service offering. Hosts also include NVMe drives for Storage Caching. The default VSAN configuration is RAID-1 with Dedupe and Compression Enabled. Additional VSAN Storage can be added to a Lumen Private Cloud on Vmware Cloud Foundation Host through a change order process, which means a Service Order signed by the Customer. Additional storage must adhere to vendor requirements, including that all VSAN storage has to be symmetrical across all Hosts. For example, if Customer wants to add 2.5 TB of useable storage to one Host, Lumen will require that Customer also purchases the same amount of storage to all Hosts in the stack.

Adding RAM for Lumen Private Cloud on Vmware Cloud Foundation Hosts

Adding RAM to Lumen Private Cloud on Vmware Cloud Foundation Hosts can be done through change order process requiring a new Service Order to be signed. Consistent with storage requirements above, and per vendor requirements, the additional RAM ordered and installed needs to be same amount for each of the Hosts in the stack. For example, if Customer wants to increase a Host by 128 GB of RAM, Lumen will require that Customer increase the RAM on all Hosts in the stack.

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Lumen Private Cloud on Vmware Cloud Foundation Guest Operating Systems and Virtual Appliances

Customer has the ability to install any type of Guest Operating Systems (OS) or Virtual Appliance as long as it supports being installed on a Vmware Hypervisor Platform and the version of Vsphere implemented. Customer is solely responsible for ensuring that any Guest OS or virtual appliance is and remains compatible with the Lumen Private Cloud on Vmware Cloud Foundation infrastructure provided and maintained by Lumen.

Guest OS licenses may be provided by the Customer or Lumen can provide licenses for Window Server or RHEL for a fee.

Service Description

Lumen is responsible for maintaining and supporting all standard installed Vmware software and connectivity to the Lumen Private Cloud on Vmware Cloud Foundation Hosts as listed here: **TABLE 1 – Lumen Private Cloud on Vmware Cloud Foundation Host – Vmware Software Included as per CPU Socket Licensing**

Vmware® Software Package	Version currently used
Vsphere Enterprise Plus	ESXi 6.7 U3
Vcenter Standard	6.7 U3
Software Defined Data Center	3.10
NSX Enterprise	6.4.8
VSAN Advanced	6.7 U3
vCloud Director	10.1

Vmware Cloud Director 10.1

VCD is the interface presented to the Customer. From the VCD login it is Customer's responsibility to build out their networks, routers and security devices such as Server Load Balancers, Firewalls and VPNs and setting security policies on each device. In addition, the VCD environment is where a Customer will create a Catalog of images, Templates, import open virtual formats (OVFs) and manage Snapshots. All interactions to the backend Vcenter, NSX, VSAN, and Vsphere software applications are done through the VCD interface and not directly with the individual Vmware software packages. The Vmware Cloud Director Tenant Portal API's are accessible to the customer.

Monitoring of the Infrastructure

Lumen maintains and monitors all components of the Lumen Private Cloud on Vmware Cloud Foundation Service – physical servers, including the repair and replacement of defective or failed hardware and the installation of firmware updates, as needed. Hardware upgrades, such as increasing RAM or increasing Storage, can be performed by Lumen for an additional fee. Lumen may subcontract any hardware support to the manufacturer or equivalent vendor in order to expedite repairs.

Lumen also monitors and maintains all of the Vmware Software that is installed as part of the standard Service.

The following diagram identifies the Services and the optional Add-On Services that are available.

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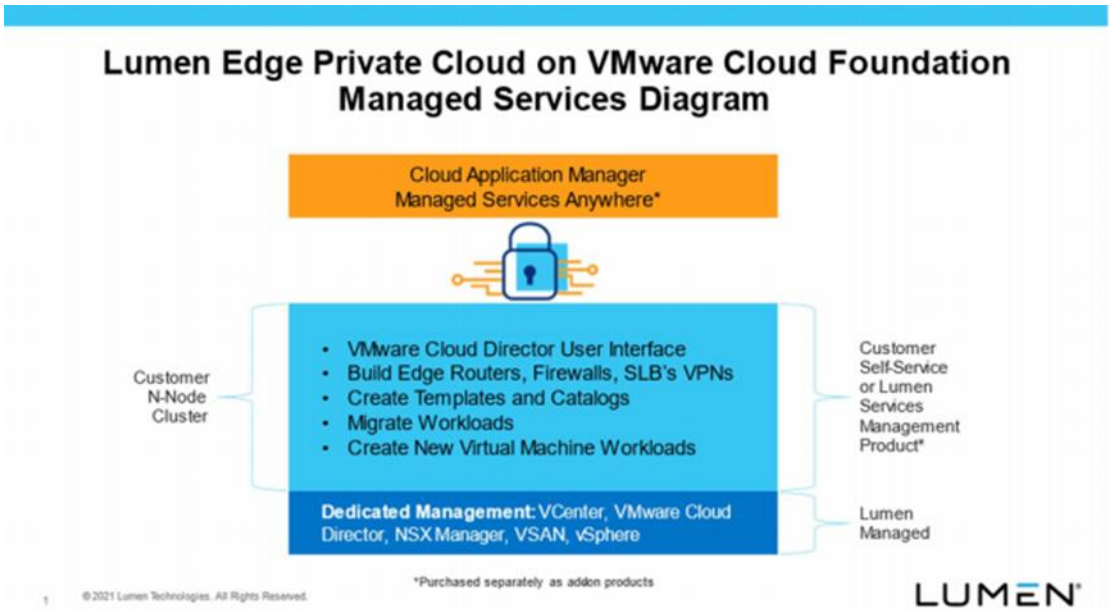

Software and Security Patch Deployment

Lumen will update Lumen Private Cloud on Vmware Cloud Foundation Hosts with all Vmware recommended security patches, updates or hot-fixes and will address the overall integrity and performance of servers. Security threats are evaluated, verified and tested before a patch is recommended to customers. Sometimes a reboot is necessary when a patch is distributed and installed, which Lumen will conduct during scheduled Maintenance Windows or in coordination with the Customer.

Customers must approve patches or updates prior to them being applied to their environment; however, Lumen is not responsible for any failure in the service, including SLAs if a Customer does not approve the installation of necessary patches or updates.

Please note that Vmware Software Upgrades are not included as part of the standard Service but can be quoted and implemented for an additional fee.

Customer Responsibilities:

Customer acknowledges and agrees that its failure to perform its obligations in this SG may result in Lumen's inability to perform the Services and Lumen will not be liable for any failure to perform, including any SLAs in the event of Customer's failure. Lumen will not be liable for any failure to perform in the event Customer does not fulfill Customer's responsibilities and requirements as detailed in the Agreement, Service Attachments and this SG, and in the event of Customer's errors or omissions in setting up the environment. In addition, Lumen is not responsible for any loss or corruption of Customer Data, content or information. Lumen's obligations related to Customer Data are exclusively governed by the Security and Compliance section of the applicable Service Exhibit. Some updates, including migrations attributable to vendor service availability as more fully described below in Customer Responsibilities, and as determined by Lumen may require Customer to sign a new Service Order to implement the changes which could include changes to pricing.

1. Customer acknowledges that all third party components of the Service are subject to the applicable vendor's decision to (i) not continue to provide or renew its services and/or products with Lumen and/or (ii) modify or end of life a component(s). If any of the foregoing occurs, Lumen will use commercially reasonable efforts to migrate Customer to another comparable Lumen service at any time. Such migration will occur without regard to Customer's current term.

2. Licensing and Third Party Terms: If any third party software, including any corresponding documentation (such as Guest OS), is provided to Customer by Lumen in connection with the Service, Customer agrees to be bound by any additional licensing terms and conditions applicable to such third party software and that it will use such third party software strictly in accordance with such terms and conditions. Lumen makes no

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representations or warranties whatsoever with regard to such third party software. For Vmware, Customer must agree to the Vmware End User Agreement terms.

3. **Bandwidth:** To avoid degradation of the Service, Customer must not have sustained bandwidth exceeding rated capacity of the device. Lumen will provide the device information as part of the installation process.

4. **Access and Permissions:** Customer will provide Lumen's approved personnel, immediate access to any systems and devices if there is a service outage and at reasonable times in all other situations. Should Lumen determine the need for Lumen personnel to physically access the system or devices, Customer must allow Lumen personnel access to the Customer site. Customer will ensure that all permissions of any kind needed for the installation and operation of the Service are in place at all times. If the Customer has an Access Control List (ACL) that interferes with management connections, the Customer must allow Lumen access for management and monitoring.

5. **Third Party:** The Customer will not instruct or permit any other party to take any actions that would reduce the effectiveness of the Service. The Customer will not attempt (nor instruct or allow others to attempt) any testing, assessment, circumvention or other evaluation or interference with any Service without the prior written consent of Lumen. Credentialed scans from firewalls are not allowed.

6. **Unauthorized Testing:** Customer will not attempt, permit or instruct any party to take any action that would reduce the effectiveness of Service or any devices used to deliver Lumen services. Without limiting the foregoing, Customer is specifically prohibited from conducting unannounced or unscheduled test firewall attacks, penetration testing or external network scans on Lumen's network and infrastructure without the prior written consent of Lumen.

7. **Provide Contact:** Designate and maintain a Customer Contact during the service term and any applicable renewal term (including current contact information). "Customer Contact" means a technical point of contact with sufficient knowledge, authority and access to address configuration issues, event notifications, system or infrastructure modifications and authentication of applicable systems.

8. **Provide Technical Support.** Customer agrees to provide technical support during implementation and on-going support. Customer will ensure environments are provisioned with servers, local incremental and replica storage, network connectivity, CPU and memory resources, and other infrastructure components; and replication is operational.

9. Neither Customer nor its representatives will attempt in any way to circumvent or otherwise interfere with any security precautions or measures of Lumen relating to the Service or any other Lumen equipment.

10. Customer acknowledges and agrees that it is solely responsible for selecting and ensuring its software and systems are up to date and supportable.

11. Customer further acknowledges it is solely responsible for ensuring all devices and hardware are upgraded to meet vendor configurations. If any configuration, or version, or component of the Service is identified as "either unsupported" or no longer available by a vendor notifying Lumen, then Lumen will in turn notify Customer. Customer may be required to sign a new Service Order to ensure the affected Services are updated or migrated to a supportable version. The new Service Order may require a new Service Term and/or a change in pricing. If Customer remains with the unsupported or unavailable Services, Customer acknowledges the Services. If any configuration or version is identified as "unsupported" by a vendor, the Services are subject to all of the following conditions and/or requirements: (i) a service level objective ("SLO") referring to Lumen's reasonable effort to provide support will apply in lieu of any other applicable SLA and will automatically apply from the time Lumen receives notice from the vendor of such unsupported service; (ii) CenturyLink, in its reasonable discretion may elect to charge the Customer for any support or additional tasks/work incurred by Lumen resulting from Customer's continued use of unsupported configuration until Customer purchases the required and supported upgrades or extended support at an additional cost from the vendor. The requirement to purchase upgrades or extended support from vendor shall apply at any time, regardless of any contract term, term commitments, or renewal periods. Customer's failure to do so may result in Lumen's inability to provide the Services and Lumen will have no liability therefrom.

12. Lumen is not responsible for the service or the SLA if any changes by Customer affect the infrastructure or monitoring capability of Lumen.

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13. Acknowledgement and Consent. In addition to and in accordance with the applicable provisions of the Agreement, if any, Lumen or its subcontractor(s) may access or use Customer's personal information (including business contact information) across its global geographic operations as necessary to provide, support or improve Services or to otherwise perform under the Agreement. Customer represents that it will ensure that all information provided to Lumen is accurate at all times and that any business contact has consented to Lumen's processing of Customer's personal information for such purposes. Customer acknowledges and agrees that Lumen and its affiliates or subcontractors may have data center based services, support or processing systems and/or operate Service data or information (including business contact information such as names, phone numbers, addresses and/or email addresses) for the sole purpose of: (i) providing and managing the Services; (ii) fulfilling its obligations and enforcing its rights under the Agreement; and (iii) complying with applicable law. Lumen will not disclose, modify, or access Customer Data, except (a) if Customer expressly authorizes Lumen to do so in connection with Customer's use of the Services, including requests for support; or (b) as necessary to provide the Services to Customer or to prevent or address Service or technical problems, or to comply with the Agreement and Service Exhibit including the applicable Service Schedules; or (c) at the request of a governmental or regulatory body, subpoenas or court order.

14. Customer consents to Lumen collecting and compiling system and security event log data to determine trends and threat intelligence. Lumen may associate this security event log data with similar data of other Customers so long as such data is merged in a manner that will not in any way reveal the data as being attributable to any specific Customer.

15. Customer agrees that Lumen's SLA only applies to currently supported configurations (including but not limited to related devices, software, and operating systems) at the time SLA support requests are triggered.

Pricing: Click here to view the LUMEN Private Cloud on VCF Price List

2.3.29 Lumen Edge Bare Metal

Lumen® Edge Bare Metal Deploy next-gen apps closer to the action.

As modern workloads requiring high bandwidth and low latency become more distributed across your environment for real-time data processing and storage, they increasingly need to be managed for optimal efficiency, security and performance. Enter Edge Bare Metal, the next evolution in cloud computing with dedicated, on-demand and pay-as-you-go server hardware hosted in distributed locations, so you can deploy next-gen apps closer to the action

Improve control

Tailor your operating system, configuration sizes and pricing model to how you run your compute-intensive applications like databases, analytics and grid computing that require consistent performance.

Enhance security and connectivity

Dedicated physical servers offer maximum performance and secure, single tenancy to isolate and protect data with user-defined firewall policies, fully-encrypted local storage and our high-performance network.

Maximize performance

Run apps and data via edge market nodes designed for 5ms or better latency over our global fiber network and turn bare metal servers on and off as needed with pay-asyou-go flexibility.

As modern workloads requiring high bandwidth and low latency become more distributed across your environment for real-time data processing and storage, they increasingly need to be managed for optimal efficiency, security and performance. Enter Edge Bare Metal, the next evolution in cloud computing with dedicated, on-demand and pay-as-you-go server hardware hosted in distributed locations, so you can deploy next-gen apps closer to the action

Common Use Cases

- Delivering high-bandwidth apps and workloads, such as large event video streaming and robotics
- Running real-time analytics to support smart workloads
- Providing updates quickly to IoT devices and security systems using sensor data

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Bare metal servers are designed to be available in an hour or less to minimize organizational downtime. As modern workloads requiring high bandwidth and low latency become more distributed across your environment for real-time data processing and storage, they increasingly need to be managed for optimal efficiency, security and performance. Enter Edge Bare Metal, the next evolution in cloud computing with dedicated, on-demand and pay-as-you-go server hardware hosted in distributed locations, so you can deploy next-gen apps closer to the action.

Features and specifications

Configurations

- Multiple operating systems and usage models available
- Combination of bare metal servers and container technology
- Container bin packaging for efficient hardware use • Flexible server and storage configuration options Provisioning and security
- Dedicated servers provisioned via our intuitive Control Portal or API calls
- Isolated environment as opposed to multi-tenancy Performance and scaling • Unified, consistent operations across CPU, memory and storage
- Quick ramp up for large numbers of containers

1. General Service Schedules.

1. General. This Service Exhibit is applicable only where Customer orders one of the Lumen services described in the Lumen Service Schedules listed below ("Service"). Lumen is defined for purposes of this Service Exhibit as CenturyLink Communications, LLC d/b/a Lumen Technologies Group and its affiliated entities ("Lumen"). This Service Exhibit incorporates the terms of the Master Service Agreement or other Lumen approved service agreement under which Lumen provides the Services to Customer (the "Agreement"), and in the event of a conflict in any term of any documents that govern the provision of Services, the following order of precedence will apply in descending order of control: the Service Schedule, this Service Exhibit, the Agreement, any applicable Service Guide, the SLA, and the Service Order(s). Capitalized terms not defined in this Service Exhibit or one of the Service Schedules are defined in the Agreement. . These terms are effective as of the time Customer signs the applicable Service Order or upon acceptance of the applicable terms as part of CenturyLink's online order process.

2. Lumen Service Schedules. Customer may purchase the Services in the following Service Schedules included within this Service Exhibit.

- SERVICE SCHEDULE: LUMEN EDGE BARE METAL

2. Term; Renewal. Lumen Services have a minimum term which begins on the Service Commencement Date and continues for the period set forth in the relevant Service Order ("Initial Service Term"). The Initial Service Term and any automatic renewal terms are collectively referred to as the "Service Term". The Service Schedules describe the applicable term and renewal information in more detail.

3. Rates; Billling.

1. Rates. Customer will pay all applicable rates and fees set forth in the relevant Service Order or posted online for self-provisioned Services and as further described in the applicable Service Schedule. Charges for certain Services are subject to (a) a property tax surcharge (or substantially similar local equivalent); and (b) a cost recovery fee per month to reimburse Lumen for various governmental taxes and surcharges. Such charges are subject to change by Lumen and will be applied regardless of whether Customer has delivered a valid tax exemption certificate. For additional details on taxes and surcharges that are assessed, visit www.lumen.com/taxes. All invoices will be issued to Customer and paid in the currency specified in the Service Order. Customer will pay invoices free of currency exchange costs, or bank charges.

2. Withholding Tax. Service charges are exclusive of Taxes and presented without reduction for any Withholding Tax, all of which are the responsibility of the Customer. "Withholding Tax" means any amount on account of tax on sources of income which a payor is obliged to deduct from payments due to a recipient and account for to any tax authority. In the event that any payment to be made to Lumen under this Service Exhibit should be subject to reduction by reason of a Withholding Tax, Customer agrees to

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pay Lumen such amounts as would have been necessary so that the aggregate net amount received by Lumen after application of a Withholding Tax, is the same amount as would have been received by Lumen if there had been no requirement to deduct or withhold such tax.

3. **Service Commencement Date.** If Lumen partially installs or activates a Service, Lumen reserves the right to commence billing for such Service on a pro rata basis, and if a Service installation is delayed, incomplete or is not usable by Customer through no fault of Lumen or its agents, Lumen will have the right to commence billing as installed and per the Service Commencement Date.

Lumen reserves the right to use dynamic exchange rates to calculate all non-USD billing. This means that the exchange rate published on the day each respective monthly invoice is created will be the exchange rate used to appropriately convert the invoiced amounts from USD to the applicable currency. Exchange rate adjustments will not be deemed a rate adjustment.

4. Security Obligations.

1. Lumen has adopted and implemented, and will maintain, a corporate information security program designed to protect Customer data from unauthorized access, use, or disclosure. The program includes formal information security policies and procedures, which are reviewed annually and updated as necessary to address evolving threats. The security measures of the information security program generally apply to Lumen's systems, facilities and standard services and certain measures may not apply or may be applied differently to customized services, configurations, or environments ordered or as deployed by Customer. Lumen will maintain its information security program in accordance with applicable state, federal and international laws and regulations governing the privacy and protection of data ("Privacy Laws"). Lumen, or its underlying provider, has completed an AICPA sanctioned Type II audit report (i.e., SSAE18/ISAE3402 SOC 1 or AT-101 SOC 2) for applicable Services in certain data centers and intends to continue to conduct audits pursuant to a currently sanctioned or successor standard. Customer will be entitled to receive a copy of the then-available report (or a summary of it) annually upon request, which report is Lumen Confidential Information. Customer may make reports available to its End Users subject to applicable confidentiality terms.

2. Lumen will not disclose, modify, or access Customer Data, except: (a) as authorized by Customer in connection with the operation of the Services, including requests for support, incident resolution, or to access or use certain tools, features, or functionalities of particular Services; (b) as necessary to provide the Services to Customer, including complying with reasonably and lawful instructions communicated to Lumen, to prevent or address technical problems, or to otherwise comply with the Agreement; or (c) as necessary to comply with subpoenas, court orders or Privacy Laws. To the extent Lumen accesses or handles Customer information, including personally identifiable information, it will do so only as necessary to provide the Services, perform under the Agreement and to comply with applicable law and Privacy Laws, including: (a) configuration, technical, operational and usage data relating to the performance and use of the Services; (b) business contact and similar information necessary for administering the business relationship and Agreement between the parties; and (c) account information required to manage the Services, provide notices, and handle Service invoicing and remittance. Lumen may disclose such information to its affiliates, vendor and subcontractors only as may be required to provide the Services and/or to comply with its contractual obligations, subject to privacy and confidentiality protections no less protective than those in the Agreement or Service Attachments. Lumen may also transfer such information between its operating jurisdictions, including to the United States, solely for the purposes described in this Section.

3. Customer understands and acknowledges the Services are not designed to any specific security requirements and are not suitable for regulated content, including for the transmittal, storage or maintenance of protected health information consistent with the Health Insurance Portability and Accountability Act (HIPAA), as amended or any other personal or sensitive information. Customer warrants and represents that it will not use the Services to maintain, transmit or store protected health information and agrees to indemnify, defend and hold Lumen and its affiliates harmless from and against any actual or alleged claims related to or arising out of Customer's use of the Services for such purpose.

4. Customer agrees that it has adopted and implemented, and will maintain, a corporate information security program designed to protect its Customer Data from unauthorized access, use, or disclosure. Customer is

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solely responsible for properly selecting, configuring and using the Services, and taking its own steps to maintain appropriate security, protection and backup of applicable content, information or Customer Data, including encrypting Customer Data or other applicable content. Customer acknowledges that the Customer environment may be configured with varying degrees of security and further acknowledges that it and not Lumen will be responsible for whether the Services and Customer environment are configured in a secure manner. And no security requirements or obligations of Lumen related to any other Lumen Service, including FedRAMP, NIST, FISMA, or other security platforms will apply.

5. Customer is responsible for: (a) ensuring that it has provided all requisite notices, obtained all requisite consents and otherwise secured any necessary rights for any Customer Data and other Customer information; (b) determining the legal suitability of the Services in light of the type of Customer Data involved; and (c) its and its end users use of the Services in compliance with applicable law, including Privacy Laws.

5. Equipment.

1. Customer Provided Equipment. Customer is responsible for selecting, supplying, installing and maintaining Customer equipment used to access the Services or used in connection with the Services, including any systems, or hardware. Customer: (a) will ensure all equipment, hardware and systems are up to date and supportable; and (b) understands that if any Customer Equipment impairs its use of the Service, Customer will remain liable for applicable charges and any otherwise applicable Service Level will not apply.

2. Lumen Equipment. If Lumen Equipment is installed on a Customer premise or third-party location contracted by Customer:

- Lumen or in certain jurisdictions, a Lumen supplier will hold title to the Lumen Equipment. Customer will keep all Lumen Equipment free of liens and will not allow any liens, encumbrances, or claims to be levied against the Lumen Equipment. Neither Customer nor its representatives will attempt in any way to circumvent or otherwise interfere with any security precautions or measures of Lumen relating to the Lumen Equipment.
- Customer will retain the risk of loss for, loss of (including, without limitation, loss of use), or damage to, Lumen Equipment, Customer will inform Lumen as quickly as possible and in not less than 24 hours following damage to Lumen Equipment, including during pre-installation storage and will, within 30 days of invoice, reimburse Lumen for (i) replacement value of Lumen Equipment as new at then current prices if the equipment is not capable of repair (as determined by Lumen), or (ii) the repair cost.
- Customer will not: (i) change, remove or obscure any labels, plates or insignia, lettering or other markings placed on the Lumen Equipment; (ii) repair, replace or make physical modifications to Lumen Equipment without written authorization from Lumen or Lumen's supplier; or (iii) alter, disconnect, tamper with, restrict access to, or move the Lumen Equipment from the designated address unless otherwise approved in writing by Lumen.
- Customer will: (i) have and maintain all rights, authorizations and consents necessary to enable Lumen to operate and maintain the Lumen Equipment; (ii) at its expense, provide suitable space and proper environmental conditions as recommended by Lumen, including power supply, rack space, HVAC, cabling, lighting necessary for the installation, operation or maintenance of the Lumen Equipment, including cabling for connectivity between Lumen Equipment and the Lumen network devices; (iii) will ensure that exterior surfaces are kept clean and in good condition; (iv) provide Lumen with reasonable access inspection and maintenance; (v) assure Customer premises comply with safety and health standards consistent with industry standards; (v) maintain adequate security policies and procedures for the Lumen Equipment, network or applications which interface with the Lumen Equipment; (vi) timely provide Lumen and its suppliers with any needed Customer completed import/export documentation and undertakings (including but not limited to acting as the importer of record if requested by Lumen or its suppliers); and (vii) upon any expiration or termination of the applicable Service, Customer will, at the option of Lumen, return the Lumen Equipment at Customer's

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expense, or provide all necessary cooperation to allow Lumen to remove the Lumen Equipment from any Customer location(s).

- Upgrades. Lumen may periodically upgrade the Lumen Equipment. If Lumen Equipment is located on a Customer premise, Customer must allow Lumen to make these changes within five business days of receipt of the request from Lumen, or Lumen's obligation to provide the applicable Service in accordance with this Service Exhibit will be suspended until Customer grants Lumen the access required to make changes. Lumen will use commercially reasonable efforts to notify Customer' technical point of contact prior to emergency changes.

6. Cancellation; Termination; Default. This Section 6 applies in lieu of any other cancellation and termination section, including any available rights of termination that may be in the Agreement.

1. Suspension. Lumen may suspend the affected Service immediately in the event Lumen has a good faith belief that suspension is reasonably necessary to mitigate damage or liability that may result from Customer's continued use of the Service. In the event Lumen exercises its right to suspend Customer's access to Services, during the period of suspension: (a) Lumen will not take any action to intentionally erase any Customer Data; and (b) applicable charges, including storage charges but not usage charges, if any, will continue to accrue.
2. Cancellation. If Customer terminates an ordered Service prior to its Service Commencement Date, Customer will pay a cancellation fee equal to one (1) month's projected MRC or usage, plus all out-of-pocket costs incurred by or imposed upon Lumen (e.g., ordered equipment, licenses, carrier termination charges).
3. Termination. Month to month Services are terminable at any time upon thirty (30) days prior written notice. Unless otherwise provided in a Service Schedule, if a Service with a term greater than one month is terminated either by Lumen as a result of Customer's default or by Customer for any reason other than Lumen's default and prior to the conclusion of the applicable Service Term, then Customer will be liable for: (a) Service charges accrued but unpaid as of the termination date; (b) any out-of-pocket costs incurred by or imposed upon Lumen (e.g., ordered equipment, licenses, carrier termination charges); and (c) an early termination charge equal to 50% of the then current MRC, NRC, and usage charges for the affected Services multiplied by the number of months remaining in the Service Term.
4. Effect of Termination. Customer's access to the applicable Services will end as of the effective date of expiration or termination of any Service and Lumen will not be responsible for assisting Customer with any transition to an alternative provider. Customer use of any on premise or virtual network appliance(s) and/or other Lumen provided software must immediately cease and all instances must be deleted as of the effective date of termination. Lumen is not responsible for any Customer Data stored or remaining on Lumen infrastructure as of the effective date of termination. Lumen's enforcement of this provision will survive the termination of the applicable Services.

7. Scheduled Maintenance. This section 7 applies in lieu of any other scheduled maintenance and local access provisions that may be included in the Agreement. Customer acknowledges that the Services may be subject to routine maintenance or repair and agrees to cooperate in a timely manner and provide reasonable access and assistance as necessary to allow such maintenance or repair. Scheduled maintenance windows are identified in the applicable Service Attachment or Website.

8. Liabilities; Disclaimer.

1. Direct Damages. Except for the payment and indemnification obligations of Customer and subject to the Damages Limitations provision in the Agreement or similar waiver of consequential damages provision, the total aggregate liability of each party arising from or related to the claim will not exceed in the aggregate the total MRCs, NRCs, and usage charges paid or payable to Lumen for the affected Services under the applicable Service Schedule in the twelve (12) months immediately preceding the first event giving rise to the cause of action ("Damage Cap"). Notwithstanding the foregoing, any Security Services provided under the Service Schedule-Security Services will have a sub cap of six (6) months.
2. Additional Disclaimer of Warranties. LUMEN MAKES NO EXPRESS WARRANTIES, WRITTEN OR ORAL, AND DISCLAIMS ALL IMPLIED WARRANTIES PERMITTED UNDER APPLICABLE LAW. ALL OTHER WARRANTIES ARE SPECIFICALLY EXCLUDED, INCLUDING, BUT NOT LIMITED TO, THE

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IMPLIED WARRANTIES OF TITLE AND NON-INFRINGEMENT, THAT PERFORMANCE OF THE SERVICES WILL BE UNINTERRUPTED, ERROR-FREE OR SECURITY INCIDENT FREE, THAT ANY HARDWARE OR SOFTWARE WILL BE ERROR FREE OR COMPATIBLE WITH CUSTOMER SYSTEMS, THAT SERVICE WILL BE FREE FROM LOSS OR LIABILITY ARISING OUT OF HACKING OR SIMILAR MALICIOUS ACTIVITY, THAT ANY SERVICES PERFORMED COMPLY WITH OR SATISFY ANY APPLICABLE GOVERNMENTAL OR INDUSTRY DATA SECURITY OR THAT ANY CONTENT WILL BE SECURE OR NOT OTHERWISE LOST, CORRUPTED, ALTERED OR ACCESSED, INCLUDING TRANSMISSION BETWEEN LUMEN INFRASTRUCTURE AND/OR CUSTOMER'S OWN OR CONTRACTED INFRASTRUCTURE OR CUSTOMER ERRORS OR OMISSIONS IN SELF-PROVISIONING SERVICE. THE PREVIOUS DISCLAIMERS WILL NOT LIMIT CUSTOMER'S ABILITY TO SEEK ANY APPLICABLE SLA REMEDIES. Any obligation of Lumen to defend, indemnify or hold Customer harmless for any intellectual property related claims as may be set forth in the Agreement are hereby disclaimed in their entirety by Customer with respect to the Services.

9. Notices.

1. Notwithstanding anything to the contrary in the Agreement, Customer acknowledges and agrees that Lumen may also contact Customer via e-mail at the e-mail address provided to Lumen when Customer ordered the Service, and such email may include instructions for use of a private website for posting of such notices, for any reason relating to the Service, including for purposes of providing Customer any notices required under the Agreement. Customer agrees to provide Lumen with any change to its email address.
2. Service Notice. All Customer notices for Service disconnect and termination must be sent via email to Lumen at: BusinessDisconnects@centurylink.com and must contain the account name, account number, identification of the Service(s), and Service address(es). Such disconnect and termination is effective thirty (30) days after Lumen's receipt of the notice. All Customer notices for Service non-renewal and other routine operational notices will be provided in writing to its Lumen sales representative. Failure to provide disconnect, termination and non-renewal notices in accordance with the terms of this Service Exhibit may result in continued charges, and Lumen will not credit charges for such noncompliance.

10. Intellectual Property; Software.

1. Intellectual Property. Lumen intellectual property and proprietary rights include skills, know-how, modifications, software or other enhancements developed or acquired in the course of configuring, providing, or managing the Service. Each party agrees that it will not, directly or indirectly, reverse engineer, decompile, reproduce or otherwise attempt to derive source code, trade secrets, or other intellectual property from any information, material, or technology or equipment of the other party or its licensors. Nothing in this Service Exhibit or the performance of it conveys, or otherwise transfers any right, title, or interest in any intellectual property or other proprietary rights held by either party or its licensors.
2. To the extent required by Lumen to provide certain Services, Customer grants to Lumen a non-exclusive, non-transferable, royalty-free license to use, process and execute Customer Technology, and to sublicense Customer Technology to Lumen subsidiaries and affiliates and any third parties providing all or part of the Service on behalf of Lumen.
3. Lumen Provided Software.
   - Lumen grants to Customer a limited, nonexclusive, non-transferable, non-sublicensable, revocable, worldwide, subscription-based license during the Service Term to install, test, and use the object code version of any software provided by Lumen to Customer ("Software") for Customer's internal use solely in connection with the Services provided under this Service Exhibit and strictly in accordance with all applicable licensing terms and conditions.
   - Customer acknowledges the Software and Lumen Equipment may contain software or firmware licensed from third parties ("Third Party Software"). Customer agrees that Third Party Software, including any corresponding documentation, will be used strictly in accordance with applicable licensing terms and conditions, as may be updated from time to time or in accordance with mandatory pass through terms or EULAs which, if applicable may be identified in the applicable Supplemental

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Terms. All rights in and to any Third-Party Software are reserved by and remain with the applicable third parties. In addition, Customer consents to the installation of Third-Party Software on Customer owned and managed systems and agrees to provide appropriate permissions or consent for Lumen to perform the Services. Lumen is not responsible for any hardware issues arising from or related to the installation of Third-Party Software. Lumen makes no representations or warranties whatsoever regarding Third Party Software. notwithstanding anything to the contrary in the Agreement, Lumen will have no obligation to defend, indemnify or hold Customer harmless, or otherwise liable to Customer in any way, for any claims of infringement of patent, copyright or other intellectual property right related to or arising from the Third Party Software.

- Customer will not authorize any third party to use the Lumen Equipment or Software, including without limitation the Lumen APIs. Customer will not use, distribute or modify the Software or Lumen Equipment in any manner that would require that any Software or Lumen Equipment, components of it, or other intellectual property of Lumen or its licensors be (a) disclosed or distributed in source code form, (b) made available free of charge to recipients, or (c) modifiable without restriction by recipients.

4. Customer Provided Software. If Customer elects to, or if the underlying Service purchased by Customer permits Customer to, use (including and/or making available to End Users) Customer provided and/or licensed software in connection with the Services, including on Lumen Equipment, Customer is solely responsible for (a) selecting, licensing, installing, maintaining software; (b) ensuring adherence to current technical documentation, up to date versions, all applicable licensing terms, requirements, and/or restrictions; and (c) ensuring it has the legal right to use the software in this manner and that Lumen has all necessary permissions to patch and/or provide other managed Services in reliance on Customer's license if required as part of the Service. Customer's failure to do so may result in Lumen's inability to provide the Services and Lumen will have no liability from it. In addition, Lumen reserves the right to require an upgrade or migration, the purchase of additional services and/or charge additional fees at its discretion for continued use of software that does not comply with the above requirements.

5. Open Source. Certain Software and Lumen Equipment may include open source software and/or publicly distributed software (each, "open source software"), each of which is a separate and independent work and is subject to its own or open source or public license agreement ("Open Source License Agreement"). Customer agrees that open source software is licensed to Customer from the original licensor (and not Lumen) under, and are subject to, the terms of the applicable Open Source License Agreement, which Customer agrees to. Nothing in this Service Exhibit will limit Customer's rights under, or grants Customer any rights that supersede or expand, the terms and conditions in the applicable Open Source License Agreement. For clarity, this Service Exhibit is not intended to change or restrict the terms of any Open Source License Agreement, and Lumen does not seek to restrict, or receive compensation for, the copying or redistribution of open source software, which is otherwise freely re-distributable to third parties.

6. Export. Customer will not export the Software or the Lumen Equipment outside the country that Lumen provides the Software or Lumen Equipment to Customer in, or otherwise conduct an "deemed" export as described under the Export Administration Regulations (i.e., Section 734.13), without providing notice to Lumen and receiving Lumen's prior written authorization.

11. Feedback. In the event Customer elects to communicate to Lumen suggestions for improvements to the Software or Service ("Feedback"), Lumen will own all right, title and interest in and to the Feedback, even if Customer has designated the Feedback as confidential, and Lumen will be entitled to use the Feedback without restriction. Customer irrevocably assigns all right, title, and interest in and to the Feedback to Lumen and agrees to provide Lumen such assistance as it may require to document, perfect and maintain Lumen's rights to the Feedback.

12. Customer Responsibilities. Customer's failure to meet the responsibilities in this section, and any additional responsibilities identified in an applicable Service Schedule, may result in Lumen's inability to provide the Service(s) to Customer and Lumen will not be liable for any failure to perform, including any SLAs in the event of Customer's failure.

1. Customer represents that Customer is not (a) located in, under the control of , or a national or resident of any country or territory to which export is prohibited under the laws of any country in which Lumen

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operates, or (b) on the U.S. Treasury Department List of Specially Designated Nationals or the U.S. Commerce Department's Table of Deny Orders.

2. Customer agrees that: (a) it will provide accurate and complete information as requested by Lumen in connection with its registration or request for Services; and (b) any registrants, users, or others placing orders for Service on its behalf have full legal capacity to do so and are duly authorized to do so and to legally bind Customer; (c) safeguard the Services so as to ensure that no unauthorized person will have access to it or allow access beyond the authorized number of subscribers, and that no persons authorized to have access will make any unauthorized use; (d) maintain at all times during the Service Term, current customer information to serve as a technical point of contact available 24x7 with sufficient knowledge, authority and access to address configuration issues, event notifications, system or infrastructure modifications and authentication of applicable Lumen systems; © it is solely responsible for and Lumen will have no liability for establishing, maintaining and resolving issues with any network connectivity provided by Customer. Unless public Internet access is included as part of the applicable Service and SLA, any issues with network connectivity provided by Lumen will be resolved in accordance with the terms and conditions associated with such connectivity and are outside the scope of these Services.

3. Portal Use. Customer is responsible for maintaining the confidentiality of and protecting access to all usernames and passwords it creates or assigns (collectively, "Credentials") and is solely responsible for all activities that occur under the Credentials, including access to content. Customer agrees to notify Lumen promptly of any actual or suspected unauthorized use of any Credentials. Lumen reserves the right to terminate upon notice any Credentials that Lumen reasonably determines may have been accessed or used by an unauthorized third party. For added security, Lumen recommends two-factor authentication in conjunction with all Credentials.

4. Unauthorized Testing. Customer will not attempt, permit or instruct any party to take any action that would reduce the effectiveness of Service or any devices used to deliver Lumen services. Without limiting the foregoing, Customer is specifically prohibited from conducting unannounced or unscheduled test firewall attacks, penetration testing or external network scans on Lumen's network and infrastructure without the prior written consent of Lumen.

5. Lumen is not responsible for the Service or the SLA if any network, system or security changes by Customer affect the infrastructure or monitoring capability of Lumen.

13. Acknowledgements.

1. Lumen's SLAs only apply to the respective vendors' supported configurations, operating systems or software at the time SLA support requests are triggered. If any configuration or version is identified as "unsupported" by a vendor, a service level objective ("SLO") in lieu of any other applicable SLA will apply. Lumen reserves the right to charge the Customer for any support, upgrades or additional tasks/work incurred, resulting from Customers continued use of unsupported configuration. Customer acknowledges and agrees that it is solely responsible for selecting and ensuring its software and systems are up to date and supportable.

2. Customer acknowledges that all third-party components of the Service are subject to the applicable vendor's decision to (i) not continue to provide or renew the Service with Lumen and/or (ii) modify or end of life a component(s). If any of the foregoing occurs, Lumen will use commercially reasonable efforts to migrate Customer to another comparable Lumen service at any time. Such migration will occur without regard to Customer's current Service Term.

3. Lumen reserves the right to make any updates, error corrections, bug fixes, and other related modifications to the Services at any time upon notice posted on the Website.

14. Definitions.

"API" means a Lumen provided Application Programming Interface.

"Customer Data" means any data, content or information of Customer or its end users that is stored, transmitted, or otherwise processed using the Lumen Services. Lumen's obligations with respect to such Customer Data will

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be exclusively governed by the Security Obligations Section 4.1 and are further subject to all Limitation of Liability provisions of this Service Exhibit, the Service Schedule and the Agreement.

"Customer Technology" means the technology, and other information of Customer and its licensors, including Customer's operations design, software tools, hardware designs, algorithms, software (in source and object forms), user interface designs, architecture, class libraries, objects and documentation (both printed and electronic), know-how, trade secrets and any related intellectual property rights throughout the world.

"End User" means Customer's members, end users or any other third parties who use or access the Services or access Lumen's network or data centers via the Services.

"Lumen Equipment" means certain Lumen-provided equipment or hardware (e.g. servers, switches, etc.) and related operating software that Customer may access or use either within Lumen infrastructure or installed on a customer premise. Certain Lumen Equipment may be used for the purpose of connecting a Customer endpoint to Lumen managed hosting data center(s) for the delivery of managed services. All Lumen Equipment will be owned or licensed and maintained by Lumen or its suppliers.

"MRC" means monthly recurring charge.

"NRC" means non-recurring charge.

"Portal" means access to the online graphical user interface(s) system utilized in conjunction with the Services. Portal may also refer to interface that Lumen uses to provide services to customers. Certain Portals facilitate order processing, provisioning, management and monitoring, change management, billing, customer support/ticketing and reporting.

"Service Commencement Date" means, for purposes of this Service Exhibit, the date Lumen begins billing for a Service and is the earlier of (a) the date on which Customer uses the Service; (b) the date Lumen notifies Customer in writing that the initial installation or a usable part of it is complete; or (iii) the date the Service is activated by Lumen or Customer. The Service Commencement Date will apply in lieu of any other Customer Commit Date, Connection Notice, or similar language in the Agreement. No acceptance period applies.

"Service Guide" (or "SG") means the product-specific Service guide that includes technical descriptions which Lumen may modify from time to time, effective upon posting on the applicable Website. References in the SGs to the CenturyLink TS Services Exhibit will mean this Hybrid Technologies Service Exhibit.

"Service Order" or "Order" means a service order request submitted on a form issued by Lumen and signed by Customer that includes the type and details of the specific Services ordered by Customer. A Service Order may also refer to the online acceptance of self-provisioned Services.

"Service Schedule" means the additional product specific terms for the particular Hybrid Technology Service(s) purchased by Customer. Service Schedules do not apply unless and until Customer purchases the applicable Service.

"SLA" or "SLA Attachment" or "Service Levels" means the service level agreement applicable to each individual Service, if any, which provides Customer's sole and exclusive remedies for any nonperformance, Service deficiencies, outages, interruptions or failures of any kind. SLAs may be updated from time to time upon posting on the applicable website referenced in the Service Schedule(s).

"Supplemental Terms" means the additional terms and conditions for particular Services provided pursuant to a Service Schedule, as may be updated from time to time, effective upon posting. "Website" means either www.ctl.io or www.lumen.com as applicable or a successor website and as more specifically noted in the applicable Service Schedule.

SERVICE SCHEDULE: LUMEN EDGE BARE METAL

The services covered by this Service Schedule are the Lumen Edge Bare Metal Services provided by Lumen to Customer ("Services").

Additional Terms of Use: Customer's use of Services is subject to the Supplemental Terms, at https://www.ctl.io/legal/lumen-edge-bare-metal/supplemental-terms/ and the SLA Attachment applicable to the Service is available at https://www.ctl.io/legal/lumen-edge-bare-metal/sla/

1. Service Description.

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Lumen Edge Bare Metal or ("Edge Bare Metal") is a pay for use service in which Customer may purchase the use of a dedicated server provided by Lumen. Customer may elect an operating system(s) from the selections made available from Lumen that may be updated from time to time. Available operating systems, including any required third-party pass-through terms or EULA's are identified in the Supplemental Terms. Servers have fixed CPU, RAM (i.e. memory) and storage configurations to select from during the server build process. All other applications, additional storage, security policies (i.e. firewalls, encryption at transit and at rest), software and connectivity other than shared public Internet connectivity are the sole responsibility of Customer; and if purchased from Lumen, will be subject to separate terms and conditions and pricing. Service includes use of the Edge Orchestrator Portal, public Internet connectivity, and API's for provisioning and management.

Each server is a portion of the larger pool of pre-installed and integrated compute, storage, and public Internet connectivity. The Customer can select the size of the server and select from a range of Lumen provided templates as a baseline to configure the operating system. Lumen does not have root or server access to the server and does not have access to any applications, content or data installed on the server.

2. Edge Orchestrator portal. Customer may access the Services via an API or the Edge Orchestrator portal. Lumen may modify the portal or the APIs or may transition to new APIs at any time. Customer's use of the portal and/or APIs are governed by the Agreement, all applicable Service Attachments, and the applicable portal usage terms.

3. Rates/Charges. Customer acknowledges the Service is a pay-for-use service billable on an hourly basis and that any initial Order signed by Customer may show zero-dollar rates since the Customer will not yet have access to the Edge Orchestrator portal to order or build Services at the time of the initial Order. Customer will pay all applicable rates and fees associated with both the individual Service and the quantity of Services ordered by Customer via an API or the portal. All rates and fees associated with the Services are posted on ctl.io or the Portal (collectively, the "Website").

Usage charges consist of all of the following: (i) RAM; (ii) CPU usage; (iii) operating system (if applicable); (iv) storage; and (v) public Internet connectivity. All charges accrue regardless of the operational status of the applicable service (i.e. used, un-used, powered off).

4. Posting on the Website is effective notice for all of the following: (a) Fees and charges for any new Service or new feature of a Service will be effective when the updated fees and charges are posted on the Website; fees for new Services or Service features are not applicable until purchased by Customer; (b) Lumen may increase or add new Pay for Use Services fees and charges for any existing Services at any time; and (c) All rates and fees are posted in USD on the Website and billed monthly in arrears.

5. Term. The Initial Service Term of any individual Service not subject to an Edge Term Commit will commence on the applicable Service Commencement Date and will remain in effect for as long as Customer continues to have access to the server (e.g. day to day, month to month). The Initial Service Term of any individual Service subject to an Edge Term Commit will commence on the applicable Service Commencement Date and will continue for the period set forth in the Service Order. Notwithstanding anything to the contrary in the Agreement or the Service Exhibit, unless, prior to expiration of the Edge Term Commit, Customer signs a new Service Order with a new Edge Term Commit, the Service will automatically renew for month to month terms. Customer's Edge Term Commit as it relates to the minimum monthly usage commitment will continue to apply for each month to month auto-renewal term. Any Customer request to revert to pay-for-use Service upon expiration of the Initial Service Term will be subject to then-current rates.

6. Termination; Effect of Termination. Customer may terminate or shutdown any individual server without liability for early termination charges. If any Service subject to an Edge Term Commit is terminated either by Lumen as a result of Customer's default or by Customer for any reason other than as a result of default prior to the conclusion of an applicable Service Term, then Customer will be liable for: (i) an early termination charge equal to 100% of the then current Edge Term Commit (as identified on the applicable Service Order) multiplied by the number of months remaining in the Service Term; (ii) all Service charges accrued but unpaid as of the termination date; and (iii) any out of pocket costs incurred by or imposed upon Lumen (e.g. license fees, vendor termination charges).

Customer must follow Lumen's termination or shutdown procedures made available in the Edge Orchestrator portal. Failure to provide disconnect, termination and non-renewal notices in accordance with this Section may result in continued charges, and Lumen will not credit charges for noncompliance. Lumen will initiate secure erase

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upon completion of the termination procedures by Customer. Customer is solely responsible for removing and/or backing up any information, content, or Customer Data prior to initiating termination procedures for applicable servers. If Customer is terminating all Services under this Service Schedule, Customer must also comply with any other applicable Notices provision in the Service Exhibit.

7. Data Preservation. If Lumen exercises its right to suspend Customer's access to Services, during the period of suspension (a) Lumen will not take any action to intentionally erase any content and/or stored Customer Data; and (b) applicable usage charges will continue to accrue.

8. Security. Customer is solely responsible for properly configuring and using the Service and implementing reasonable security measures to maintain appropriate security, protection and backup of Customer Data, applications or information, which may include the use of encryption technology to protect Customer Data from unauthorized access. Lumen may assist with initial configuration and monitoring subject to the purchase of certain Managed Services. Given that Customer can self-provision and self-configure the Services and the Customer environment in ways that may reduce security, notwithstanding anything else to the contrary in any Service Attachment or the Agreement, Customer acknowledges that it and not Lumen will be responsible for whether the Services and Customer environment are configured in a secure manner and no security requirements or obligations of Lumen related to any other Lumen Service, including FedRAMP, NIST, FISMA, or other security platforms will apply. In addition, Customer is solely responsible for compliance related to the manner in which the Service is used or accessed by Customer or its End Users.

9. Authorization. Customer represents and warrants that: (i) the information Customer provides in connection with Customer's registration for the Services is accurate and complete; (ii) if Customer is registering for the Services as an individual, that Customer is at least 18 years of age and has the legal capacity to enter into this Agreement; and (iii) if Customer is registering for the Services as an entity or organization, (a) Customer is duly authorized to do business in the country or countries where Customer operates and is an authorized representative of Customer's entity, and (b) Customer's employees, officers, representatives, agents or others accessing the Services or building additional servers or adding additional Services via self-serve or fulfilling other actions made available on its behalf through the Edge Services portal are duly authorized and have full legal capacity (and are therefore, where applicable or required by local law or regulation, granted special, ample and sufficient power of attorney) to do so and to legally bind Customer to this Agreement and all transactions conducted under Customer's account. Customer may only use the Services to store, retrieve, query, serve, and execute Customer Data that is owned, licensed, or lawfully obtained and processed by Customer.

10. Disclaimer. Lumen reserves the right to make new functionality, products, and services available on the Lumen Edge Computing Solutions platform as "beta" offers. For any offer labeled as "beta", the Beta Program provisions of the Supplemental Terms will apply.

11. Customer Responsibilities.

1. Customer is responsible for ensuring that it has all appropriate permissions to install any Customer provided software and application on the virtual service. Customer is also responsible for enabling Lumen management access, if included as part of the Service.
2. Firewall. By default, all external network access to servers in the Service is turned off by firewall policy. Users may open external access to servers by creating the appropriate firewall policy. Users are responsible for the security implications of the firewall rules they create.

12. Definitions.

"Edge Term Commit" means a minimum term commit greater than one (1) month and a minimum monthly usage commit. A Customer with an Edge Term Commit whose Initial Service Term has expired will automatically continue with the monthly usage commit after expiration of the Initial Service Term. Any applicable Edge Term Commit will be expressly documented in a Service Order. Customers may add/modify/disconnect individual Services at any time at will so long as the applicable minimum usage commit is met each month. To the extent actual usage in a month (i) exceeds the usage commitment, Customer will pay the commitment plus the actual usage; or (ii) is less than the revenue or usage commitment, Lumen reserves the right to invoice Customer, and Customer agrees to pay, any shortfall between Customer's actual usage of Service and any minimum usage commitment.

Pricing: Click here to view the LUMEN Edge Bare Metal Price List

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2.3.30 Lumen Private Cloud for VMWare Cloud on AWS

This Service Guide ("SG") sets forth a description of the Lumen Private Cloud for Vmware Cloud product, a Lumen Managed Vmware Cloud ("VMC") on Amazon Web Services ("AWS") solution (the "Service" or "Vmware Cloud"). All or part of these Services are provided by or through Lumen's vendor, Vmware. This SG is subject to and incorporated into the Agreement, Lumen TS Service Exhibit and Hosting Service Schedule between the parties. The specific details of the Service ordered by Customer will be set forth on the relevant Service Order.

1. Service Description

Lumen's Private Cloud for Vmware Cloud on AWS is a managed Infrastructure-as-a-Service ("IaaS"). Service may be purchased on a 12 or 36-month term basis. Notwithstanding any auto renew provisions in the Lumen TS Service Exhibit, the Vmware Cloud solution does automatically renews month to month unless renewed or terminated in accordance with the applicable Schedule.

The Service provides access to a virtual server(s) deployed in an AWS data center that includes a suite of software collectively called a Software-Defined Data Center ("SDDSC"). The software components that Customer has access to as part of the Service includes:

- Vmware vSphere® running on elastic bare metal hosts deployed in AWS
- Vmware vCenter Server® appliance
- Vmware NSX® Data Center to enable software defined networking
- Vmware vSAN™ aggregating host-based storage into a shared datastore
- Vmware HCX® enabling app mobility and infrastructure hybridity

Service includes automatic maintenance, patching, and upgrades of the SDDC, performed by Vmware.

Service consoles provide Customer with an interface that provides the ability to (i) self-serve provision of the SDDC; (ii) access and manage workloads and the compute, storage, and network components of the SDDC; and (iii) view status.

Optional Add-on Services – all subject to separate terms and conditions and pricing

- Integration with Lumen Managed Services Anywhere. Lumen Managed Services Anywhere allow Customer to utilize the Application Lifecycle Management and multi-cloud management options for OS and applications. Lumen Advanced Management Services may be utilized for building out Customer's environment and configuring moves, adds, and changes as requested by the Customer.
- Lumen Dynamic Connections or Cloud Connect for required connectivity to Customer's SDDC

Customer has the ability to install Guest Operating Systems ("Guest OS"), software or appliances as long as it supports being installed on a Vmware Hypervisor Platform and the version of Vsphere implemented. Customer is solely responsible for ensuring that any Guest OS or virtual appliance is and remains compatible with the Lumen Private Cloud for Vmware Cloud Infrastructure. Guest OS licenses may be provided by the Customer or purchased through the AWS Marketplace.

Amazon Web Services Account

To access or use the Service, Customer must utilize either an existing AWS account previously acquired through Lumen or obtain a new AWS account provided by Lumen. Prior to provisioning an SDDC, Lumen requires Customers to connect to their AWS account. This process establishes identity and access management policies in the AWS account that enables communication between resources provisioned in Customer's AWS account and the SDDC

2. Service Operations

Service Provisioning

Customers can provision and resize their SDDCs on demand, using the interface noted above. An SDDC includes a minimum of one cluster with a single host. Customers can add hosts and clusters, up to the provisioning maximum for their organization. Customers can select the available AWS region where their SDDCs will be provisioned.

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Incident and Problem Management

The Service includes incident and problem management (e.g., detection, severity classification, recording, escalation, and return to service) pertaining to availability of the Service.

Customer is responsible for incident and problem management (e.g., detection, severity classification, recording, escalation, and return to service) pertaining to all virtual machines deployed in Customer's SDDC.

Data Recovery

The Service includes automatic backup and restore services for the Management infrastructure, including Vmware vCenter Server®, Vmware NSX® Manager™, Vmware NSX® Controller™, and Vmware NSX® Edge™.

Customer is responsible for backup and restoration of all content and configurations created by Customer in the SDDC, including virtual machines, content libraries, datastores, and port groups.

Change Management

The Service includes the following change management services: (i) processes and procedures to maintain the availability of the Service; and (ii) processes and procedures to release new code versions, hot fixes, and service packs related to the Service.

Updates to the SDDC software are necessary to maintain the availability of the Service and are mandatory. These updates will be applied to Customer's SDDC, subject to the processes set forth in this section. A Customer may not, in the normal course, skip or delay application of these updates. Support may not be provided, and SLAs will not apply if Customer is not on the most current version of the SDDC software.

Lumen will provide notification of scheduled maintenance at least 24 hours in advance for any changes that may impact use of an SDDC. Changes related to maintenance may require maintenance downtime of up to 40 hours per year for each SDDC. Maintenance downtime is excluded from eligible downtime towards SLA credits.

Security

The Service includes the following security components which are provided on a commercially reasonable efforts basis:

Information Security: Designed to protect the information systems used to deliver the Service (as between Lumen, Vmware, and Customer) over which VMWare has sole administrative level control.

Security Monitoring: Designed to monitor for security events involving the underlying infrastructure servers, storage, networks, and information systems used in the delivery of the Service over which Vmware has sole administrative level control. This responsibility stops at any point where Customer has some control, permission, or access to modify an aspect of the Service.

Patching and Vulnerability Management: Designed to maintain the systems used to deliver the Service, including the application of patches deemed critical for the target systems.

Customer is responsible for the following:

Information Security: Customer is responsible for ensuring adequate protection of the content deployed and/or accessed with the Service. This includes, but is not limited to, any level of virtual machine patching, security fixes, data encryption, access controls, roles and permissions granted to Customer's internal, external, or third-party users, etc.

Network Security: Customer is responsible for the security of the networks over which Customer has administrative level control. This includes, but is not limited to, maintaining effective firewall rules in all SDDCs deployed.

Security Monitoring: Customer is responsible for the detection, classification, and remediation of all security events that are (i) isolated within Customer's deployed SDDCs, (ii) associated with virtual machines, operating systems, applications, data, or content surfaced through vulnerability scanning tools, or (iii) required for a compliance or certification program in which Customer is required to participate.

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Capacity Management

Customers are responsible for capacity management of their SDDCs, including maintaining 30% unused space ("slack space") for the vSAN datastore within the Service, to support operation of the SDDC. Adequate slack space is required for use of the vSAN datastore.

If storage free space reaches (or falls below) 25%, Customer could lose the ability to utilize the SDDC, and the environment could become inoperable. If unused space in an SDDC vSAN datastore drops reaches (or falls below) 25%, hosts will automatically be added to the SDDC to prevent damage to the SDDC.

If a host is added, both Customer and Customer's Lumen account team will be notified and Lumen will process a new order with charges for adding additional hosts. Customers can use the Vmware Cloud sizer tool, found at https://vmcsizer.vmware.com/home, for guidance on the appropriate number of hosts needed to support anticipated workloads.

3. Additional Information

Usage Data

The Service collects data directly from the machines and/or devices involved in the use of the Service, such as configuration, performance, and usage data. The data is limited to the Hypervisor layer and does not include Customer's application or content.

Use of FullStory

The Service uses FullStory functionality to collect data directly from any browsers used to access and use the Service. FullStory collects data regarding use of the Service, including user interaction and behavior, to enable session replay. To opt out of session recording, FullStory makes the following website available: https://www.fullstory.com/optout/.

Use of Google Analytics

The Service utilizes Google Analytics to collect data directly from any browsers used to access and use the Service Offering. To opt out of Google Analytics, Google makes the following browser add-on available: https://tools.google.com/dlpage/gaoptout.

Customer agrees to provide the information, above, regarding Usage Data, FullStory, and Google Analytics usage to all users of the Service.

Customer Responsibilities

Customer acknowledges and agrees that its failure to perform its obligations herein may result in Lumen's inability to perform the Services and Lumen shall not be liable for any failure to perform, including any SLAs in the event of Customer's failure. In addition, Lumen is not responsible for any loss or corruption of Customer Data, content or information. Lumen's obligations related to Customer Data are exclusively governed by the Security and Compliance section of the applicable Service Exhibit.

1. Customer acknowledges that all third-party components of the Service are subject to the applicable vendor's decision to (i) not continue to provide or renew its services and/or products with Lumen and/or (ii) modify or end of life a component(s). If any of the foregoing occurs, Lumen will use commercially reasonable efforts to migrate Customer to another comparable Lumen service at any time. Such migration will occur without regard to Customer's current term.
2. Bandwidth: To avoid degradation of the Service, Customer must not have sustained bandwidth exceeding rated capacity of the device. Lumen will provide the device information as part of the installation process.
3. Third Party: The Customer will not instruct or permit any other party to take any actions that would reduce the effectiveness of the Service. The Customer shall not attempt (nor instruct or allow others to attempt) any testing, assessment, circumvention or other evaluation or interference with any Service without the prior written consent of Lumen. Credentialed scans from firewalls are not allowed.
4. Unauthorized Testing: Customer shall not attempt, permit or instruct any party to take any action that would reduce the effectiveness of Service or any devices used to deliver Lumen services. Without limiting the foregoing, Customer is specifically prohibited from conducting unannounced or unscheduled test

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firewall attacks, penetration testing or external network scans on Lumen's network and infrastructure without the prior written consent of Lumen.

5. Provide Contact: Designate and maintain a Customer Contact during the service term and any applicable renewal term (including current contact information). "Customer Contact" means a technical point of contact with sufficient knowledge, authority and access to address configuration issues, event notifications, system or infrastructure modifications and authentication of applicable systems.
6. Provide Technical Support. Customer agrees to provide technical support during implementation and on-going support. Customer shall ensure environments are provisioned with servers, local incremental and replica storage, network connectivity, CPU and memory resources, and other infrastructure components; and replication is operational.
7. Neither Customer nor its representatives shall attempt in any way to circumvent or otherwise interfere with any security precautions or measures of Lumen or VmWare relating to the Service.
8. Customer acknowledges and agrees that it is solely responsible for selecting and ensuring its software and systems are up to date and supportable.
9. Customer further acknowledges it is solely responsible for ensuring all devices and hardware are upgraded to meet vendor configurations and agrees that Lumen's SLA only applies to currently supported configurations (including but not limited to related devices, software, and operating systems) at the time SLA support requests are triggered. If any configuration or version is identified as "unsupported" by a vendor, the Services are subject to all of the following conditions and/or requirements: (i) a service level objective ("SLO") referring to Lumen's reasonable effort to provide support will apply in lieu of any other applicable SLA and will automatically apply from the time Lumen receives notice from the vendor of such unsupported service; (ii) Lumen, in its reasonable discretion may elect to charge the Customer for any support or additional tasks/work incurred by Lumen resulting from Customer's continued use of unsupported configuration until Customer purchases the required and supported upgrades or extended support at an additional cost from the vendor. The requirement to purchase upgrades or extended support from vendor shall apply at any time, regardless of any contract term, term commitments, or renewal periods. Customer's failure to do so may result in Lumen's inability to provide the Services and Lumen shall have no liability therefrom.
10. Lumen is not responsible for the service or the SLA if any changes by Customer affect the infrastructure or monitoring capability of Lumen.
11. Customer consents to Lumen collecting and compiling system and security event log data to determine trends and threat intelligence. Lumen may associate this security event log data with similar data of other Customers so long as such data is merged in a manner that will not in any way reveal the data as being attributable to any specific Customer.
12. Customer is responsible for ensuring the security of credentials to the consoles consistent with that of portals.

4. Definitions

NSX: A virtual networking and security software product family created from Vmware's vCloud Networking and Security (vCNS) and Nicira Network Virtualization Platform (NVP) intellectual property.

Software-Defined Data Center (SDDC): A data center facility where the elements of the infrastructure are virtualized and delivered as a service and where the provisioning and operation is abstracted from the hardware and fully implemented through software.

Solid-State Drive (SSD): A solid-state storage device that uses integrated circuit assemblies as memory to store data persistently.

Vmware Software Bundle: The Vmware Software bundle is the software that is included with the base Lumen on Private Cloud for VMC Base Product – includes Vcenter Standard, Vsphere, Software Defined Data Center, NSX and VSAN.

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Vmware Hypervisor Platform: The physical servers are configured with the Vmware Vsphere Hypervisor software the creates the Virtualization layer between the physical hosts and the Guest Operating Systems that are installed.

Vmware Cloud Infrastructure: The Amazon Web Services (AWS) physical Servers, the hardware, and the Vmware Software Bundle that together comprise the VMC on AWS Infrastructure

VSAN: Vmware Inc.'s Virtual Storage Area Network, which is a software-defined storage offering from Vmware that enables enterprises to pool their storage capabilities and to instantly and automatically provision virtual machine storage via simple policies that are driven by the virtual machine. Lumen is not responsible for unauthorized access if Customer does not take its own steps to maintain security, including encryption.

Pricing: Click here to view the LUMEN Private Cloud for VMWare Cloud on AWS Price List

2.3.31 Lumen High Speed Internet Protocol

LUMEN MASTER SERVICE AGREEMENT INTERNET SERVICES SCHEDULE

1. General. This Service Schedule is applicable where Customer orders Lumen Internet Services (which may also be called Dedicated Internet Access, Internet Services, High Speed IP, IP Transit Services or CenturyLink IQ Networking Internet Port ("Internet Port") on ordering, invoicing, or other documentation). The Service is also subject to the Master Service Agreement executed between Lumen and Customer, and if none, Lumen's standard Master Service Agreement (the "Agreement"). Lumen may subcontract the provision of the Service in whole or part, provided that Lumen remains responsible for the Service to Customer as set forth herein. Capitalized terms used but not defined herein have the definitions given to them in the Agreement.

1.1 Additional General Terms. Service charges are exclusive of taxes and presented without reduction for any Withholding Tax, all of which are the responsibility of the Customer. "Withholding Tax" means any amount or account of tax on sources of income which a payor is obliged to deduct from payments due to a recipient and account for or to any tax authority. In the event that any payment to be made to Lumen hereunder should be subject to reduction by reason of a Withholding Tax, Customer agrees to pay Lumen such amounts as would have been necessary so that the aggregate net amount received by Lumen after application of a Withholding Tax is the same amount as would have been received by Lumen if there had been no requirement to deduct or withhold such tax. For Services provided outside the United States, Customer or its local affiliate may be required to enter into a separate local country addendum/agreement (as approved by local authorities) ("LCA") with the respective Lumen affiliate that provides the local Service(s). Such Lumen affiliate will invoice Customer or its local affiliate for the respective local Service(s).

2. Services.

2.1 Service Description. Lumen Internet Services are high speed symmetrical Internet services providing access to the Lumen IP network and the global Internet ("Service"). The Service is generally available via Ethernet connections from 10/100 Mbps ports to 100Gbps ports. Additional features and functionality may include:

- IP Addresses. IP Address space with proper justification.
- Primary DNS / Secondary DNS. Primary or Secondary DNS as requested.
- Static routing / BGP peering. Static routing or BGP peering options available.
- On-line bandwidth utilization reports. On-line bandwidth utilization reports available through the customer portal.
- Basic security service. Subject to Customer having Lumen-approved routers, included as part of the Service is a one-time per 12 month period ability to request Lumen to temporarily (i.e. for up to 24 hours): (i) apply a temporary access control list (ACL) with up to 10 rules on such routers; (ii) set up firewall filters specifying Ips, subnets, ports, and protocols; and (iii) configure null routes. Requests that exceed this duration or frequency will be charged at $1000 per hour with a minimum charge of $4000.

2.2 Billing Types.

Flat Rate. Service with flat-rate, fixed rate, or tiered billing provides a set amount of bandwidth at a flat-rate MRC. No usage element applies. Customer will not be permitted to exceed the contracted bandwidth level, provided that

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if Customer also orders Dynamic Capacity (where available), bandwidth and the associated charges may be adjusted as set forth in the separate terms for Dynamic Capacity.

Commit Plus Burst. For Service provided with burstable bandwidth, the MRC is based on Committed Data Rate ("CDR")/Committed Information Rate ("CIR")). The CDR/CIR is the minimum Internet bandwidth that will be billed to Customer each month regardless of actual usage. Commit Plus Burst usage is any usage in excess of CDR/CIR. Commit Plus Burst usage charges will apply on a per Mbps basis at the rate stated in the Order. Commit Plus Burst usage charges will be billed on a 95th percentile basis. Usage levels are sampled every five minutes, for the previous 5 minute period, on both inbound and outbound traffic. At the end of the bill cycle, the highest 5% of the traffic samples for each inbound and outbound will be discarded, and the higher of the resulting inbound and outbound values will be used to calculate any applicable usage. If available and identified in the applicable Order, a Peak Data Rate (PDR) or Peak Information Rate (PIR) may apply, which is the maximum available bandwidth.

Billing Arrangement. Commit Plus Burst Services may also be provided on an aggregated basis. For Billing Arrangement (or Aggregate Burstable Service, the bandwidth MRC (or Committed Monthly Usage Charge ("CMUC"), is based on the Committed Data Rate ("CDR") (or the Aggregate Committed Data Rate ("ACDR") or Aggregate Committed Information Rate ("ACIR")). The CDR/ACDR/ACIR is the minimum Internet bandwidth that will be charged to Customer each month regardless of actual usage. Burst Rate (or Aggregate Burstable Usage) is any usage in excess of CDR/ACDR/ACIR. Burst Rate/Aggregate Burstable Usage charges will apply on a per Mbps basis at the rate stated in the Order. Burst Rate/Aggregate Burstable Usage is calculated on a 95th percentile basis across all included ports. For Dedicated Internet Access, all usage in excess of the CMUC are calculated on 95th percentile basis across all included ports and charged at the rate stated in the Order.

2.3 On-Net and Off-Net Access. Access services provided entirely on the Lumen owned and operated network ("Network") are "On-Net Access Services". Additionally, Lumen may use third parties to reach Customer's site from the Lumen Network ("Off-Net Access

Services"). Local Access may be provisioned utilizing one of the following service technologies: special access, ethernet local access, multi-tenant unit (MTU) access, or wavelength local access.

2.4 Converged Voice-Internet Service. Where Customer orders Internet Services bundled with Level 3 Enterprise Voice SIP Based Services only, such charges will show on the invoice as Converged Voice-Internet Service. For clarification, the Converged Voice- Internet Service is treated as a single Service and if Customer wishes to unbundle or terminate a part of the Converged Voice-Internet Service, early termination liability may apply and Customer will be required to execute new orders for the desired stand-alone Service.

2.5 Lumen Arranged Third Party Procured Internet Services. For certain Service locations (including but not limited to where Lumen may lack relevant licenses to provide such service), Lumen may agree to arrange Internet Services using third party providers ("Third Party Internet Service"). Examples of such locations include, but are not limited to, service locations in China (excluding Hong Kong), India, Indonesia, Malaysia, New Zealand, Philippines, South Korea, Taiwan, Thailand, and Vietnam. Service options vary on a country by country basis and may include access to the Internet via overbooked and/or non-overbooked connections, DSL technology, private leased circuits (fixed or wireless), and/or satellite. Specific service details (access type, e.g. downstream/upstream speed, customer premises equipment requirements, and number of IP addresses) also differ on a country by country basis. Customer understands and acknowledges that Third Party Internet Service will, if requested by Customer, be provided by third party subcontractor(s) to Lumen and accordingly, is provided on an as-is basis. Notwithstanding the foregoing, Customer may report faults and/or outages in Third Party Internet Service to Lumen on a 24x7 basis and, in such circumstances, Lumen will contact the applicable third-party service provider with a view to restoring service as quickly as possible. Customer will reasonably cooperate with the requests of such providers of Third Party Internet Service to enable installation, maintenance, repair, and disconnection of Services. Commit Plus Burst and Billing Arrangement pricing methodologies, as well as on-line bandwidth utilization reports, are not available for Third Party Internet Service.

2.6 Third Party Peer Destined Traffic. If at any time Lumen's provision of High Speed IP (any bandwidth) or Dedicated Internet Access (10G port sizes only) Service to Customer (and/or any of its Affiliates) (each a "Transit Party") results in unbalanced traffic ratios between Lumen and any other third party peer network that would negatively impact any of Lumen's peering relationships, Lumen shall provide written notice to the Transit Party triggering the unbalanced traffic ratios along with a 30-day opportunity to cure such traffic imbalance ("Balance

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Cure Period") during which Lumen and the relevant Transit Party will cooperate to cure the traffic imbalance. Lumen will clearly identify to the Transit Party the traffic imbalance volume and location(s) of imbalance with said peer. If the Transit Party fails to cure the traffic imbalance within that Balance Cure Period, Lumen may, in good faith discussions with the Transit Party, take appropriate action, which may include termination of one or more Internet ports, to return traffic ratios to be within compliance of the peering provider. Notwithstanding the foregoing, if an emergency condition exists ("emergency condition" for purposes on this section is considered to be traffic conditions which threaten a material and adverse impact on Lumen's network or its peers' networks), which requires Lumen to balance traffic with its' peers, then Lumen may in its' sole reasonable discretion, take appropriate action without the Transit Party's consent, which may include but is not limited to, suspending traffic on the affected port(s), to remedy such emergency condition; provided, that in such event, Lumen shall provide as much notice as is practicable under the particular emergency condition.

2.7 Intended Use. Any High Speed IP (any bandwidth) or Dedicated Internet Access (10G port sizes only) Service is intended to be used for a mixture of internet destinations and not for traffic overly weighted towards individual networks. As such, if more than 25% of total traffic on those particular Services is carried across Lumen's inter-continental backbone links or more than 25% of total traffic (excluding traffic terminating to AS3356 or AS209) is sent towards an individual egress network (either third party peer networks or Lumen end customer networks), then Lumen may choose to issue written notification to Customer to remedy the imbalance, after which Customer will work with Lumen in good faith to remedy such imbalance. Notwithstanding the foregoing, if Customer fails to remedy the imbalance within ten (10) working days of such notification and such imbalance is of a nature that does or will negatively affect (i) the Lumen (or its Affiliates) network in a technical and/or operational manner or (ii) the hardware, systems or services of other orders of Lumen or any Lumen Affiliate, then Lumen, in its sole discretion, shall have the right to a) charge Customer for traffic breaching the limits above at an "excess burst" rate of 1.5x the negotiated CDR rate per Mbps; or b) use technical means to withdraw access to these destinations from those Services.

2.8 Service Levels. Lumen Internet Services are subject to the Lumen Service Level Agreement available at http://www.lumen.com/service-guides and subject to change. If Lumen changes the Lumen Service Level Agreement and the change is material and detrimental, Customer may request and receive the last version of the Service Level Agreement in effect before the change.

3. Customer Responsibilities.

3.1 Charges. Customer shall be billed non-recurring charges ("NRC") and monthly recurring charges ("MRC") for Service as set forth in an Order(s). NRC include applicable installation charges for local-access circuit, port connection, and bandwidth. MRC include local-access charges, port connection charges, and bandwidth charges. Other charges, including but not limited to usage-based charges, may apply as stated in the Order(s). The Services are available with Flat-Rate, Commit Plus Burst, or Billing Arrangement billing types.

3.2 Additional Customer Responsibilities. Customer is solely responsible for all equipment and other facilities used in connection with the Service which are not provided by Lumen. All IP addresses, if any, assigned to Customer by Lumen shall revert to Lumen upon

termination of Service, and Customer shall cease using such addresses as of the effective date of termination. Unless the parties otherwise agree in writing, Customer has sole responsibility for ordering, securing installation, and ensuring proper operation of any and all equipment required to enable Customer to receive the Service.

3.3 Resale Restriction. Notwithstanding anything to the contrary in the Agreement, Customer is prohibited from reselling any Internet Service or any ports provided hereunder as a stand-alone service to a third party without the express written consent of Lumen, provided, however that Customer may bundle any Internet Service or any ports provided pursuant to this Service Schedule with any other Lumen services (to the extent resale of those service is allowed) or the services of Customer and resell such bundled service to Customer's subscribers and its customers. The Parties agree that the preceding is not applicable to Converged Voice-Internet Service, and Customer is prohibited from reselling any Converged Voice-Internet Service unless the parties enter into an amendment signed by authorized representatives of both parties.

3.4 Business Contact Information. Customer must provide to Lumen the names of and contact information ("Business Contact Information") for its employees ("Business Contacts") who have purchasing or other responsibilities relevant to Lumen's delivery of international Service under this Service Schedule. Customer consents to Lumen's and its affiliates or subcontractors' use and transfer to the United States of Business Contact

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Information for the purpose of: (a) fulfilling its obligations under this Service Schedule; and (b) providing information to Customer about Lumen's products and services via these Business Contacts. Customer represents that the Business Contact Information is accurate and that each Business Contact has consented to Lumen's processing of their Business Contact Information for the purposes set forth in this Service Schedule. The Business Contact Information provided by Customer has been collected, processed, and transferred in accordance with applicable laws, including, where applicable, any necessary notification to the relevant data protection authority in the territory in which Customer is established ("Authority"). Customer will notify Lumen promptly of staffing or other changes that affect Lumen's use of Business Contact Information. Lumen will have in place technical and organizational measures that ensure a level of security appropriate to the risk represented by the processing and the nature of the Business Contact Information and that protects such information against accidental or unlawful destruction or accidental loss, alteration, and unauthorized disclosure or access. Lumen will use the information only for the express purposes set forth in this Service Schedule. Lumen will identify a contact authorized to respond to inquiries concerning processing of Business Contact Information and will reasonably cooperate in good faith with Customer and the Authority concerning all such inquiries without excessive delays.

Pricing: Click here to view the LUMEN High Speed Internet Protocol Price List

2.3.32 Lumen Metro Ethernet (ME)

Metro Ethernet Service

This CenturyLink Metro Ethernet Service Agreement ("Agreement") between (INSERT CUSTOMER'S LEGAL NAME) ("Customer") and Qwest Corporation d/b/a CenturyLink QC ("CenturyLink") is effective on the date of execution by CenturyLink ("Effective Date").

Tariff Service will be governed by: (a) the Tariff applicable to Service; and (b) to the extent a comparable Tariff term or condition does not apply to Service, the terms and conditions set forth in this Agreement. "Tariff" includes as applicable: CenturyLink state tariffs, price lists, price schedules, administrative guidelines, catalogs, and rate and term schedules incorporated by this reference and posted at http://www.centurylink.com/tariffs. Service is subject to technical publication 77411 located at http://qwest.centurylink.com/techpub/ ("Tech Pub").

1. Scope.

1.1 Metro Ethernet Service ("Service") is a flexible transport service that uses established Ethernet transport technology. The Service provides connections between multiple Customer locations within a metropolitan area using native Ethernet protocol. The transmission speed depends on the Ethernet port ("Port") selected and the amount of bandwidth ordered over the Port ("Bandwidth Profile"). Service extends to the Demarcation Point. "Demarcation Point" means the CenturyLink-designated physical interface between the CenturyLink-owned network and Customer's telecommunications equipment. Service is available over two designs: (a) Customer Premises, supporting transmission speeds as low as 1 Mbps and up to 1 Gbps in increments of 10 Mbps from 10 to 100 Mbps, and in increments of 100 Mbps from 100 to 1,000 Mbps and (b) Central Office, supporting transmission speeds of 100 Mbps, 600 Mbps and 1,000 Mbps. "SLA" means the service level agreement specific to the Service, located at http://www.qwest.centurylink.com/legal/, which is controlled by the Tariff and Tech Pub, which are subject to change. The SLA provides Customer's sole and exclusive remedy for service interruptions or service deficiencies of any kind whatsoever for Service.

1.2 Any CenturyLink tariff, price list, price schedule, administrative guideline, catalog, and other rate and term schedules (hereinafter, whether individually or together, "Tariff") applicable to the Service is incorporated into this Agreement by reference and made a part of this Agreement. The Service will be governed by: (a) the Tariff applicable to the Service; and (b) to the extent a comparable Tariff term or condition does not apply to the Service, the terms and conditions set forth in this Agreement. CenturyLink reserves the right to amend, change, withdraw, or file additional Tariffs in its sole discretion, with such updated Tariffs effective upon posting or upon fulfillment of any necessary regulatory requirements.

1.3 Service provided herein is subject to network infrastructure availability and may require the expenditure of CenturyLink capital funds ("Funding") to provide Service to Customer. If a location requires Funding, CenturyLink will only provide Service if Funding has been approved as evidenced on the signature page of this Agreement. Such approval will be granted at the sole discretion of CenturyLink. In the event this Agreement is executed, and the required Funding is not approved, CenturyLink agrees to cooperate with Customer in good faith to develop an alternative service solution and may terminate this Agreement immediately without penalty.

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1.4 Customer understands and agrees that CenturyLink supplies Service as an intrastate, intraLATA telecommunications service, as defined by State and/or Federal Communications Commission ("F.C.C.") regulations, which are incorporated herein by this reference. It is Customer's responsibility to ensure that Customer uses Service as an intrastate, intraLATA telecommunications service consistent with such regulations. F.C.C. regulations permit interstate usage of Service if such usage does not exceed 10% of the total usage. If Customer should use this Service for any other purpose, or if interstate usage exceeds 10%, it is Customer's responsibility to immediately notify CenturyLink of such use and to place an order for appropriate service. CenturyLink will bill, and Customer will promptly pay, appropriate monthly recurring charges, for such use of and changes to Customer's telecommunications service including, but not limited to all applicable CenturyLink Rates and Services Schedule No. 1 interstate access charges or intrastate Tariff access charges.

1.5 "Construction" means when Service may not be available due to facilities limitations and it is necessary for CenturyLink to construct facilities. "Funding" means charges to Customer over the term of a Service contract covering CenturyLink's calculated costs for providing Service and it's expected rate of return when network infrastructure is not available to provide Service to Customer. CenturyLink may assess separate Construction charges if facilities are not available to meet an order for Service and CenturyLink constructs facilities under one or more of the following circumstances: (a) the amount of Customer's expected payments over the term of the Agreement does not exceed CenturyLink's calculated cost of providing the Service plus its expected rate of return; (b) Customer requests that Service be furnished using a type of facility, or via a route that CenturyLink would not normally utilize in providing the requested Service; (c) more facilities are requested than would normally be required to satisfy an order; and (d) Customer requests that Construction be expedited, resulting in added cost to CenturyLink. Service provided under this Agreement is subject to Funding approval and that approval will be evidenced in the Funding Concurrence block on this Agreement. That approval will be granted at the sole discretion of CenturyLink. In the event contract documents are signed under which Customer is ordering Service for which Funding is not approved, CenturyLink will cooperate with Customer in good faith to develop an alternative service solution if Funding cannot be achieved on the contracted solution and CenturyLink may immediately terminate this Agreement, without penalty, if Funding of the contracted and alternate Service solutions are determined to not be possible.

2. Term.

2.1 This Agreement is effective on the date CenturyLink signs it, following Customer's execution of this Agreement ("Effective Date"), and it expires 12 months from the date Service is available to Customer, as evidenced by CenturyLink records ("Initial Term"). The Service shall have a "Minimum Service Period" of 12 months. After the expiration of the Initial Term, this Agreement will continue automatically on a month-to-month basis unless a party notifies the other party in writing of its desire not to renew this Agreement at least 60 calendar days, and no more than 120 calendar days, prior to the end of the Initial Term. After the Initial Term, either party may terminate this Agreement upon 30 calendar days prior written notice. The Initial Term and any month-to-month period thereafter will be collectively referred to as the "Term."

2.2 After the Initial Term, Customer will pay for Service at CenturyLink's then-current rates. CenturyLink will inform Customer of its then-current rates for Service upon written request.

3. Installation/Provisioning of Service.

3.1 CenturyLink will provide the Service at the locations specified in Exhibit 1, attached hereto and made a part of this Agreement.

3.2 Order Acceptance and Cancellation. CenturyLink and Customer will determine a mutually agreeable date for Service to be available for use. Customer's acceptance of Service will be subject to the terms in the applicable Tariff. If the order for Service is canceled (a) at Customer's request; or (b) by CenturyLink due to Customer's failure to accept Service, Customer will be subject to cancellation charges in the applicable Tariff.

3.3 Start of service for each Service ("Start of Service Date") will begin on the date on which Customer accepts delivery of such Service. CenturyLink will provide notice that a Service is ready for acceptance. At Customer's request, mutual testing may be performed in accordance to the service parameters outlined in the Tariff.

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4. Charges and Billing.

4.1 Customer must pay CenturyLink all charges by the payment due date on the invoice. Any amount not paid when due is subject to late interest specified by the Tariff, or if there is no such late interest specified in the Tariff, the amount due will be subject to late interest at the lesser of 1.5% per month or the maximum rate allowed by law. In addition to payment of charges for Service, Customer must also pay CenturyLink any applicable Taxes assessed in connection with Service. "Taxes" means federal, state, and local excise, gross receipts, sales, use, privilege, or other tax (other than net income) now or in the future imposed by any governmental entity (whether such Taxes are assessed by a governmental authority directly upon CenturyLink or Customer) attributable or measured by the sale price or transaction amount, or surcharges, fees, and other similar charges that are required or permitted to be assessed on Customer. These charges may include state and federal Carrier Universal Service Charges, as well as charges related to E911, and Telephone Relay Service. Taxes may vary and are subject to change. CenturyLink reserves the right to charge administrative fees when Customer's payment preferences deviate from CenturyLink's standard practices.

4.2 The monthly recurring charge ("MRC") and nonrecurring charge ("NRC") for Service, specified on Exhibit 1, reflect the rates currently in effect in the Tariff. Service's MRC and NRC will be those in effect in the Tariff on the first date of installation of Service. CenturyLink will fix the MRCs during the Term so that CenturyLink will not pass through any CenturyLink initiated price increases to Customer during the Term. Any rate increases directed or mandated by a regulatory body will be applied as required.

Promotional Pricing: 0 Yes 1 No Promotion Expiration Date:

Promotion Description, Title, or Code:

5. Changes to Service.

5.1 Subsequent orders to add new Service port(s) will be for the remainder of the Term, provided the Minimum Service Period can be met. All Service ports ordered under this Agreement will expire on the same date regardless of when they are ordered (e.g., if the original Service is in month 10 of a 60-month Term when Customer orders a new Service port for a 60-month fixed period rate plan, the new Service port will be billed at the 60-month rate for the next 50-months). In the event the Minimum Service Period cannot be met, a new Agreement must be signed.

5.2 A subsequent order to change or add a Service port during the Term will be assessed an NRC.

5.3 A subsequent order to change Service Bandwidth during the Term will not be assessed the NRC, however, the MRC will be changed to the new Service bandwidth profile charge. Customer may be assessed an early Termination liability charge for any decrease in bandwidth during the Term of the Agreement.

5.4 Customer request for a physical move of Service to a new location will be treated as a termination of service at the original location. NRC's will apply and Term requirements must be met in the new location. In the event the Minimum Service Period cannot be met, a new Agreement must be signed.

5.5 Customer request for a physical move of Service to a location within the same building as the existing Service will be charged a fee equal to one half the applicable NRC charge. There will be no changes to the Minimum Service Period.

6. Termination. Either party may terminate Service and/or this Agreement in accordance with the applicable Tariff or for Cause. "Cause" means the failure of a party to perform a material obligation under this Agreement, which failure is not remedied: (a) for payment defaults by Customer, within five days of separate written notice from CenturyLink of such default (unless a different notice period is specified in the Tariff); or (b) for any other material breach, within 30 days of written notice (unless a different notice period is specified in the Tariff or this Agreement). Customer will remain liable for charges accrued but unpaid as of the termination date. If, prior to the conclusion of the Term, Service and/or this Agreement is terminated either by CenturyLink for Cause or by Customer for any reason other than Cause, then Customer will also be liable for any termination charges ("Termination Charge"). Prior to the conclusion of the Term, if Service and/or this Agreement is terminated or bandwidth is decreased below the original contracted level ("decreased bandwidth"), either by CenturyLink for Cause or by Customer for any reason other than Cause, then Customer will also be liable for and pay CenturyLink the following Termination Charge: (a) all accrued and unpaid charges for the terminated Service or decreased bandwidth provided through the effective date of such termination or decrease; plus (b) a termination charge of 100% of the balance of the MRCs for the unexpired portion of the Minimum Service Period for the

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terminated Service and/or a charge of 100% of the difference between the original bandwidth MRC and the decreased bandwidth MRC; plus (c) 40% of the balance of the MRCs due for the unexpired portion of the Term in excess of the Minimum Service Period for the terminated Service and/or 40% of the difference between the original bandwidth MRC and the decreased bandwidth MRC; plus (d) any and all third party costs and expenses incurred by CenturyLink in so terminating such Service or decreasing bandwidth and all applicable non-recurring charges that may have been waived.

7. Confidentiality. Neither party will, without the prior written consent of the other party: (a) disclose any of the terms of this Agreement; or (b) disclose or use (except as expressly permitted by, or required to achieve the purposes of, this Agreement) the Confidential Information of the other party. "Confidential Information" means any information that is not generally available to the public, whether of a technical, business, or other nature, and that: (a) the receiving party knows or has reason to know is confidential, proprietary, or trade secret information of the disclosing party; or (b) is of such a nature that the receiving party should reasonably understand that the disclosing party desires to protect the information from disclosure. Confidential Information will not include information that is in the public domain through no breach of this Agreement by the receiving party or is already known or is independently developed by the receiving party. Each party will use reasonable efforts to protect the other's Confidential Information and will use at least the same efforts to protect such Confidential Information as the party would use to protect its own. CenturyLink's consent may only be given by its Legal Department. A party may disclose Confidential Information if required to do so by a governmental agency, by operation of law, or if necessary in any proceeding to establish rights or obligations under this Agreement.

8. Use of Name and Marks. Neither party will use the name or marks of the other party or any of its Affiliates for any purpose without the other party's prior written consent. CenturyLink's consent may only be given by its Legal Department. "Affiliate" means any entity controlled by, controlling, or under common control with a party.

9. Disclaimer of Warranties. EXCEPT AS EXPRESSLY PROVIDED IN THIS AGREEMENT, SERVICE IS PROVIDED "AS IS." CENTURYLINK DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

10. Limitations of Liability. The remedies and limitations of liability for any claims arising between the parties are set forth below.

10.1 Consequential Damages. NEITHER PARTY OR ITS AFFILIATES, AGENTS, OR CONTRACTORS IS LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OR FOR ANY LOST PROFITS, LOST REVENUES, LOST DATA, LOST BUSINESS OPPORTUNITY, OR COSTS OF COVER.

10.2 Claims Related to Service. For Service related claims by Customer, Customer's exclusive remedies are limited to the applicable out-of-service credits, if any.

10.3 Personal Injury; Death; Property Damages. For claims arising out of personal injury or death to a party's employee, or damage to a party's real or personal property, that are caused by the other party's negligence or willful misconduct in the performance of this Agreement, each party's liability is limited to proven direct damages.

11. Miscellaneous.

11.1 General. This Agreement's benefits do not extend to any third party (e.g., an End User). "End User" means Customer's members, end users, customers, or any other third parties who use or access Service or the CenturyLink network via Service. If any term of this Agreement is held unenforceable, the remaining terms will remain in effect. Neither party's failure to exercise any right or to insist upon strict performance of any provision of this Agreement is a waiver of any right under this Agreement. The terms and conditions of this Agreement regarding confidentiality, limitation of liability, warranties, payment, dispute resolution, and all other terms of this Agreement that should by their nature survive the termination of this Agreement will survive. Each party is not responsible for any delay or other failure to perform due to a Force Majeure Event. "Force Majeure Event" means an unforeseeable event beyond the reasonable control of that party, including without limitation: act of God, fire, explosion, lightning, hurricane, labor dispute, cable cuts by third parties, acts of terror, material shortages or unavailability, government laws or regulations, war or civil disorder, or failures of suppliers of goods and services.

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Customer may not assign this Agreement or any of its rights or obligations under this Agreement without the prior written consent of CenturyLink, which consent will not be unreasonably withheld. Customer may not assign to a reseller or a telecommunications carrier under any circumstances.

11.2 Conflicts Provision. If a conflict exists among provisions within this Agreement, the following order of precedence will apply in descending order of control: Tariff, this Agreement, the Tech Pub and CenturyLink records.

11.3 Independent Contractor. CenturyLink provides Service as an independent contractor. This Agreement will not create an employer-employee relationship, association, joint venture, partnership, or other form of legal entity or business enterprise between the parties, their agents, employees or affiliates.

11.4 ARRA. Customer will not pay for Service with funds obtained through the American Recovery and Reinvestment Act or other similar stimulus grants or loans that would obligate CenturyLink to provide certain information or perform certain functions unless each of those obligations are explicitly identified and agreed to by the parties in this Agreement or in an amendment to this Agreement.

11.5 HIPAA. CenturyLink Communications, LLC does not require or intend to access Customer data in its performance hereunder, including but not limited to any confidential health related information of Customer's clients, which may include group health plans, that constitutes Protected Health Information ("PHI"), as defined in 45 C.F.R. §160.103 under the Health Insurance Portability and Accountability Act of 1996 ("HIPAA Rules"). To the extent that any exposure to PHI is incidental to CenturyLink's provision of Service and not meant for the purpose of accessing, managing the PHI or creating or manipulating the PHI, such exposure is allowable under 45 CFR 164.502(a)(1)(iii).

11.6 Credit Approval. Provision of Service is subject to CenturyLink's credit approval of Customer. As part of the credit approval process, CenturyLink may require Customer to provide a deposit or other security. Additionally, during the Term, if Customer's financial circumstance or payment history becomes reasonably unacceptable to CenturyLink, CenturyLink may require adequate assurance of future payment as a condition of continuing CenturyLink's provision of Service. Customer's failure to provide adequate assurances required by CenturyLink is a material breach of this Agreement. centuryL©nk may provide Customer's payment history or other billing/charge information to credit reporting agencies or industry clearinghouses.

11.7 Governing Law; Dispute Resolution.

(a) Governing Law; Forum. Colorado state law, without regard to choice-of-law principles, governs all matters relating to this Agreement, except with regard to matters which are within the exclusive jurisdiction of the state or federal regulatory agency. Any legal proceeding relating to this Agreement will be brought in a U.S. District Court, or absent federal jurisdiction, in a state court of competent jurisdiction, in Denver, Colorado. This provision is not intended to deprive a small claims court or state agency of lawful jurisdiction that would otherwise exist over a claim or controversy between the parties.

(b) Waiver of Jury Trial and Class Action. Each party, to the extent permitted by law, knowingly, voluntarily, and intentionally waives its right to a jury trial and any right to pursue any claim or action relating to this Agreement on a class or consolidated basis or in a representative capacity. If for any reason the jury trial waiver is held to be unenforceable, the parties agree to binding arbitration for any dispute relating to this Agreement under the Federal Arbitration Act, 9 U.S.C. § 1, et. Seq. The arbitration will be conducted in accordance with the JAMS Comprehensive Arbitration Rules. Judgment upon the arbitration award may be entered in any court having jurisdiction.

(c) Limitations Period. Any claim relating to this Agreement must be brought within two years after the claim arises.

11.8 No Resale; Compliance. Customer represents that it is not a reseller of any telecommunication services provided under this Agreement as described in the Telecommunications Act of 1996, as amended, or applicable state law and acknowledges it is not entitled to any reseller discounts under any laws. Customer's use of Service must comply with all applicable laws.

11.9 Amendments; Changes. This Agreement may be amended only in a writing signed by both parties' authorized representatives. Each party may, at any time, reject any handwritten change or other alteration to this

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Agreement. CenturyLink may amend, change, or withdraw the Tariffs, with such updated Tariffs effective upon posting or upon fulfillment of any necessary regulatory requirements.

11.10 Notices. All notices must be in writing. Notices are deemed given if sent to the addressee specified for a party either: (a) by registered or certified U.S. mail, return receipt requested, postage prepaid, three days after such mailing; or (b) by national overnight courier service, next business day; or (c) by facsimile when delivered if duplicate notice is also sent by regular U.S. Mail.

(a) Service Notices. All Customer notices for Service disconnect and termination must be sent via e mail to: CenturyLink, Attn.: BusinessDisconnects@centurylink.com and must contain the account name, account number, identification of the Service(s), and Service address(es). Such disconnect and termination is effective 30 days after CenturyLink's receipt of the notice. All Customer notices for Service non-renewal and other routine operational notices will be provided to its CenturyLink sales representative. Failure to provide disconnect, termination and non-renewal notices in accordance with the terms of this Agreement may result in continued charges, and CenturyLink will not credit charges for such noncompliance.

(b) Legal Notice. All legal notices required to be given under the Agreement will be in writing and provided to CenturyLink at: 931 14th St., #900, Denver, CO 80202; Fax: 888-778-0054; Attn.: Legal Dept., and to Customer as provided in the Agreement or in its absence, to Customer's address reflected in CenturyLink's records Attn. General Counsel.

11.11 Entire Agreement. This Agreement (including all referenced documents) constitutes the entire agreement between the parties and supersedes all prior oral or written agreements or understandings relating to the same service or circuits at the same locations as covered under this Agreement. Using CenturyLink's electronic signature process for this Agreement is acceptable.

Pricing: Click here to view the LUMEN Metro Ethernet (ME) Service Price List

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2.3.33 Lumen Adaptive Network Security (ANS)

LUMEN NETWORK FIREWALL SERVICE SCHEDULE

1. General. This Service Schedule is applicable only where Customer orders Network Firewall Service ("Network Firewall Service") which may be designated as "Enterprise Security Gateway" (ESG), "Adaptive Network Security" (ANS), or "Network Based Security" (NBS), and related features as further described below in the Order, Order acceptance, service delivery, billing and related documents (collectively, the "Services"). Services may be provided by CenturyLink Communications, LLC d/b/a Lumen Technologies Group or its affiliated entities ("Lumen"). This Service Schedule incorporates the terms of the Master Service Agreement or other service agreement pursuant to which Lumen provides services to Customer (the "Agreement"). Terms used but not defined in this Service Schedule will have the meaning set forth in the Agreement. In the event of any conflict between the terms of the Agreement and this Service Schedule, this Service Schedule will control.

1.1 Additional General Terms. For Services provided outside the United States, Customer or its local affiliate may be required to enter into a separate local country addendum/agreement (as approved by local authorities) ("LCA") with the respective Lumen affiliate that provides the local Service(s). Such Lumen affiliate will invoice Customer or its local affiliate for the respective local Service(s).

2. Services. Network Firewall Service is a security service that manages and monitors traffic between the Internet and Customer's separately purchased Lumen MPLS/IP VPN network, Lumen IQ® Networking Private Port, Lumen Internet services, or third-party Internet services. Lumen continually makes improvements to the Service and reserves the right to make any updates, error corrections, bug fixes, and other feature changes or modifications to any software, equipment or hardware utilized by Lumen to provide the Services, at any time. Lumen will use reasonable efforts to make changes during Regularly Scheduled Maintenance. Customer must purchase at least one (1) Lumen provided MPLS/IP VPN port to utilize ANS Site with Secure Access Cellular Service. MPLS/IP VPN is sold under separate terms and conditions.

2.1 Service Features. The following additional service features may be purchased by Customer:

(a) Firewall. Firewall provides monitoring of Customer's web and file transactions using a unified threat management (UTM) device installed by Lumen within a Gateway. Firewall uses template-based firewall configurations to filter inbound and outbound traffic. The Firewall feature also creates security logs that provide reports of corporate web activity and malicious content blocked. Security logs are only retained for a limited period of time. If the logs are available, Customer may request a copy for an additional charge.

(b) Intrusion Detection and Prevention ("IDS/IPS"). The IDS/IPS feature monitors Customer's network traffic on a 24x7 basis for attack and misuse signatures. IDS detects and monitors web and network transaction activities for suspicious and/or malicious traffic or firewall policy violations and, if detected, provides electronic alerts via the Portal. IPS is a network security/threat prevention tool that examines network traffic flows to help prevent vulnerability exploits. The IPS firewall policy consists of a set of signatures, each of which has a severity and has a defined action to "pass," "alert" or "block."

(c) Content Filtering. Content Filtering feature is designed to classify and block known malicious URLs from affecting Customer's environment. "Good" URLs are categorized to help enable Customer to apply Internet usage policies.

(d) Application Awareness and Control with ANS Premium. Application Awareness and Control is a feature that (1) enables visibility to traffic passing through the firewall using advanced application identification, (2) provides controls by enforcing selected firewall policies based on application identification.

(e) Data Loss Prevention ("DLP"). The DLP feature scans or filters outbound traffic to detect potential data ex-filtration transmissions. DLP is designed to monitor, detect, block information designated as sensitive by the Customer, and alert Customer to take action.

(f) Anti-Malware Sandboxing. Anti-Malware Sandboxing analyzes files by looking for malicious indicators, including host changes, outbound traffic, and attempts to bypass anti-virus analysis. If detected, a signature to address the threat is created and implemented.

(g) Adaptive Network Security Mobility. Adaptive Network Security Mobility may be delivered by Secure Sockets Layer Virtual Private Network ("SSL VPN") or by IPSEC. Delivery by SSL VPN requires an Internet connection and a standard SSL enabled web browser. If delivered by SSL VPN, Adaptive Network Security Mobility securely provides access to Customer's internal network for remote users and allows Customer's end users to remotely connect to Customer's network. At the external port, the URL directs the traffic to Customer's appropriate network access point. If delivered by IPSEC, Customer's or the applicable end user is required to license and install Endpoint Client Software on the end user's work station. Lumen is not responsible for issues caused by the installation or use of the Endpoint Client Software on Customer devices. Export restrictions must be followed for encryption technology. Adaptive Network Security Mobility provides an encrypted layer 3 connection into Customer's network.

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(h) Log Streaming. Log Streaming is an optional feature available with certain Service package types as determined by Lumen that allows Customers to receive logs and security event data at Customer's designated infrastructure destination for third party event monitoring and in-house analytics.

Customer acknowledges that Log Streaming service must be setup over an encrypted session. This Log Streaming feature requires Customer to provide Lumen with a digital SSL certificate to be loaded on to Log Streaming platform in order for the traffic to be sent over an encrypted session. Customer is responsible for configuring Customer's SIEM (Security Information and Event management) platform and network environment to allow, accept and store logs and/or security events transmitted by Lumen. The Log Streaming feature delivers Event notifications for up to 2 Customer provided SIEM or IP addresses. Customer acknowledges that Event notifications sent to the SIEM are delivered over the Internet and such delivery may fail due to Internet connectivity issues outside of Lumen's control. Customer,

and not Lumen is responsible for storage of the logs received; however, Lumen has the ability to send/resend buffered logs if needed for up to 14 days. Customer acknowledges and agrees that Log Streaming is provided "as-is" and "as available" and Lumen will have no liability related to or arising from use by Customer of this feature.

(i) Visualization. Threat Visualization provides a fixed single portal view of the near real time threat landscape for Adaptive Network Security Basic and Premium Services. Customers can view interactions with malicious sites, but no automated actions are taken.

(j) Rapid Threat Defense. Rapid Threat Defense is available with the Adaptive Network Security Premium Service package, is an automated threat detection and response capability designed to detect and block threats based on Customer's defined Adaptive Network Security Firewall policies. The Customer selects a security posture based on threat risk score. When threats are discovered that meet or exceed the selected risk score, countermeasures designed to block or prevent access to the malicious entities are automatically deployed and augmented to Adaptive Network Security Firewall policies. Customers must set a security posture threshold for the automated response to take effect, except for Allow and Block IPv4 CIDR lists. These lists are independent of a security posture risk score settings and always take precedence on the ANS Firewall instance policy. Due to the varying nature of malicious activity, Lumen cannot guarantee that all malicious activities or sites intended to be blocked will be identified, detected and blocked. Customer acknowledges that Lumen is implementing actions at Customer's request and in accordance with Customer identified criteria and Lumen is not responsible for the effectiveness of the blocking of all offending sites or malicious activities. Customer's can view automated actions via Threat Visualization.

Customer networks with multiple Adaptive Network Security Gateway Firewall instances must enable Premium Service Level Package across all Gateway firewall instances. Failure to do so may result in the override of Customer owned and managed premises firewall policies with Rapid Threat Defense.

(k) Digital Certificate exchange. The Lumen Certificate Management System (CMS) platform is an automated, systematic and secure way for Customers to generate, store and place and/or change digital certificates on Lumen security devices. The CMS provides auditable security around the handling and storage of all digital key materials of Customer within a private container and security with an independent encryption key. Lumen provides a secure process to move the certificate from that secure storage to the security end device within Lumen's private management network, via a secure Transport Layer Security (TLS) protocol, endpoint connection validation, and role-based access control (RBAC) for the account used to authenticate the actions requested. The CMS feature is made available to Customer as a convenience and is provided "as-is" and "as-available" with no applicable SLA.

(l) ANS – Site. ANS – Site enables Customer to set up a network connection and establish an encrypted IPSEC tunnel across the Public Internet between the Customer remote location via configuration and deployment of a Customer owned or Lumen managed router or premises firewall, with aggregation through ANS to Customer's Lumen provided MPLS/ IP VPN, another ANS-Site with ANS Basic no Features, and/or the Public Internet with ANS Basic or Premium features.

ANS Site Remote Access IPSEC Non-Standard Encryption. ANS offers a remote access IPSEC Virtual Private Network (VPN) capability that enables Customer to build VPNs over the public internet by encrypting traffic between each VPN endpoint using IPSEC. When ordered by Customer, Lumen will configure and support a Lumen non-standard IPSEC VPN with no phase 2 encryption algorithm for the purpose of connecting to the Customer's contracted public cloud security provider. This type of IPSEC configuration does not encrypt the data traversing the VPN and is commonly referred to as an IPSEC NULL Encryption tunnel. As defined within RFC2410, NULL encryption is only suitable where data confidentiality is not a concern. Lumen is not responsible for any Customer security vulnerabilities or sub-standard performance over the encrypted tunnel due to the lack of phase 2 encryption at the ANS Gateway.

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(m) Secure Access – Cellular: Secure Access Cellular ("collectively SAC") leverages third party cellular network connectivity and is established utilizing Lumen managed or customer-provided customer premises equipment (CPE) that includes: (1) external enterprise-class cellular to Ethernet bridge device; and (2) router to provide IPSEC connectivity to the Lumen network in a back-up only or failover situation to Lumen MPLS/IP VPN. Lumen provides SAC on a commercially reasonable efforts basis. Lumen does not make any commitment of levels of service, coverage or class of service over third party cellular service. Lumen managed router associated with SAC is subject to the separate terms of the Lumen Service Schedule for Managed Network Services. SAC is an optional configuration with an ANS Site.

2.2 Package Types. The two package types may be designated as "Basic," "Standard," "Premium," or "Unlimited" as applicable in the Order, pricing attachment, Order acceptance, service delivery, billing and related documents.

(a) Basic/Standard. The Basic/Standard package includes Firewall. If Customer orders a Basic ANS package, IDS/IPS is also included.

(b) Premium/Unlimited. The Premium/Unlimited package includes Firewall, IDS/IPS and DLP. If Customer orders an Unlimited NBS package, Content Filtering is also included. If Customer orders a Premium ANS package, Application Awareness Control is included.

2.3 Ala Carte Options. The following can be added as an ala carte option to a Service package where the option is not automatically included in the package:

- Content filtering.
- Anti-Malware Sandboxing (only available with ANS).
- Adaptive Network Security Mobilty (only available with ANS).

2.4 Change Management. Customer may request logical changes to the Service by raising a MACD (Move, Add, Change, Delete) request via a ticket through the Portal. The SOC will review the request and will advise whether the change is a Basic Change or an Advanced Change (with an associated charge).

The Basic/Standard Service package includes five (5) Basic Changes per month per instance without charge. Basic Changes exceeding five (5) may be subject to a charge of $250 per change. If Customer purchases a Premium/Unlimited package, there is no limit on the number of Basic Change requests per instance.

2.5 Service Level Agreement ("Service Levels" or "SLA"). The Service Levels are not available until completion of Service Validation. Whether a Service issue constitutes a Service Level outage or failure for Service credit purposes will be determined by Lumen in its good faith discretion supported by records, trouble tickets, data and other evidence, including through the use of third party monitoring tools. Credits are only available against the MRC for the affected Service. Service Levels do not apply to Excused Outages or periods of permitted suspension.

2.5.1 Availability. The Service will be available to pass traffic 99.9% of the total hours in a calendar month (the "Availability SLA"). Service Unavailability is calculated from the timestamp when Lumen opens a trouble ticket following the report of a problem by the Customer until the time the ticket is closed. For Service Unavailability, Customer will be entitled to a service credit off of the MRC for the affected Service based on the cumulative minutes of Service Unavailability in a calendar month.

If the aggregate Service Unavailability during a calendar month meets or exceeds the durations identified below, the following remedies will apply. Service Credits are based on the MRC of the affected Service.

Aggregate Service Unavailability Duration in a Calendar Month (hrs:mins:secs)	Service Level Credit
00:00:01 – 00:43:00 (99.9%)	No credit
00:43:01 – 04:00:00	10% of the MRC
04:00:01 – 08:00:00	15% of the MRC
08:00:01 – 12:00:00	20% of the MRC
12:00:01 – 16:00:00	25% of the MRC
16:00:01 – 24:00:00	30% of the MRC
24:00:01 or greater	35% of the MRC

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2.5.2 Security Event Monitoring – Notification and Resolution. If Customer's package does not include IDS/IPS or if the Customer has disabled the IDS/IPS feature, this section does not apply. Customer may view the Event detail (including timestamp, Event name, attack type) on the Customer Portal.

(a) Incidents. If Lumen's systems alert the SOC that an Event or series of Events may impact the security of Customer's network, a SOC analyst will analyze the Event(s) to determine if an Incident has occurred. If Lumen determines an Incident has occurred, Lumen will submit a trouble ticket on Customer's behalf. Customer may also submit a trouble ticket if it believes an Incident has occurred. Lumen determines how Incidents are classified through the use of signature priorities, algorithms, event correlation, and professional judgment. Lumen reserves the right to modify the categories and classifications of Incidents. Lumen supports a notification Service Level and a resolution Service Level, as set forth below.

(b) Notification. If Lumen submits the trouble ticket on Customer's behalf, Lumen will notify the Customer Security Contacts by phone or email (as agreed upon between the parties) of the occurrence of Incidents (i) within 15 minutes of Lumen classifying the Incident as Critical and (ii) within 30 minutes of Lumen classifying the Incident as High. If Customer submits the trouble ticket, there is no notification Service Level.

(c) Resolution. Lumen will use reasonable efforts to achieve the resolution timeframes for Incidents as identified below. All timeframes start upon Lumen's validation and confirmation from Customer that action is necessary.

Incident Resolution Table

Priority Level	Target Resolution Time Basic/Standard Packages	Target Resolution Time Premium/Unlimited Packages
Priority 1 – Critical A Network or application attack that has rendered Customer's network inoperable or that poses an imminent threat of compromise.	Within 2 hrs	Within 1 hr
Priority 2 – High A Network or application attack that has caused essential applications or functionality to be significantly impaired.	Within 4hrs	Within 2hrs
Priority 3 – Medium An internal, unforeseen Customer network or application security issue or industry vulnerability.	Within 10hrs	Within 6hrs
Priority 4 – Low* A non-time sensitive reported security issue. An informational request that may be explained in Portal FAQs, but nonetheless Customer would like to speak about the issue. This includes tuning requests.	Within 24hrs	Within 12hrs

* For Low priority Incidents, these metrics are service objectives only. No service credits or other remedy will apply for failure to achieve these objectives.

(d) Service Credits. For any day in which Lumen fails to meet the notification and/or resolution Service Levels for reasons other than an Excused Outage, Customer will be entitled to a service credit equal to 1/30th of the MRC of the Service at the applicable Customer site. The service credit cannot exceed 1/30th of such MRC in any day.

2.5.3 Limits. If the Service is used in conjunction with Lumen provided MPLS, Lumen IQ Networking Private Port, Internet and/or Managed Network Services, Service Levels for those services are subject to separate Service Schedules. Notwithstanding anything to the contrary, in no event will the aggregate service credits available in this Service Schedule in any month exceed the MRCs for Network Firewall Services provided during the month.

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2.5.4 General Terms for all Service Levels. To be eligible for credits, Customer must be current in its obligations, and Customer must contact Lumen Billing Inquiries via the contact information provided on their invoice, open a ticket in the Portal or contact their account manager to report any issue for which Customer thinks a Service Level may apply within 30 calendar days after the issue occurs. Credits will only apply against the applicable MRC for the affected Service, and will not apply to any other services provided by Lumen. Duplicative credits will not be awarded for a single failure, incident or outage. The aggregate credits in any calendar month will not exceed 100% of the MRC of the affected Service. The Service Level credits and termination rights stated in this Service Schedule will be Customer's sole and exclusive remedies with respect to any service failure or outage

3. Customer Responsibilities.

3.1 Charges and Customer Delays. Charges on the Order remain in effect during the Service Term and consist of the following: (i) a monthly recurring charge(s) ("MRC") for Service package type/Service element(s) and the bandwidth level Customer selects, (ii) one time, non-recurring charges ("NRC") for installation and change request pricing that may consist of: per ANS gateway firewall instance, shared security bandwidth across multiple use cases based on selected bandwidth, service level package, and optional features; ANS Mobility per set of concurrent users; and (iii) any additional charges as may be set forth in the Order. Adaptive Network Security Mobility requires an additional MRC based on the number of concurrent users. Lumen may install and invoice Service features contained in an Order separately. Adaptive Network Security – Site does not have an MRC nor NRC for remote access. If a Lumen-managed router or Secure Access Cellular is enabled with the remote site, an MRC and NRC will be associated with components.

Customer agrees to pay and/or reimburse Lumen for fees, costs and/or expenses related to or resulting from (i) any unreasonable delays or omissions in Customer's performance of its obligations to enable the Service, and/or (ii) additional installation or subsequent work required to be performed, caused by (a) Customer's request for changes (except as set forth in the Change Management section of this Service Schedule) to the applicable Service, or (b) any other actions or omissions by Customer which materially affect Lumen's ability to perform its obligations under this Service Schedule. Charges for certain Services are subject to (a) a property tax surcharge (or substantially similar local equivalent) and (b) a cost recovery fee per month to reimburse Lumen for various governmental taxes and surcharges. Such charges are subject to change by Lumen and will be applied regardless of whether Customer has delivered a valid tax exemption certificate. For additional details on taxes and surcharges that are assessed, visit www.lumen.com/taxes.

Customer understands and agrees that if Customer fails to take any actions required to enable Lumen to complete delivery of Service, then, 5 days following notice to Customer of Lumen's inability to complete full delivery due to Customer inaction, Lumen will commence billing and Customer will be obligated to pay Lumen for Service.

Customer will pay all applicable termination charges as set forth in the Agreement if termination occurs prior to expiration of the Service Term for the ANS Site with Secure Access Cellular Service. Notwithstanding anything to the contrary in the Agreement, if Customer cancels or terminates Secure Access Cellular Service for convenience or Lumen terminates the Service for cause, Customer will pay Lumen a termination charge equal to the sum of: (A) if prior to delivery of a Connection Notice, (i) any third party termination charges for the cancelled Service; (ii) the non-recurring charges for the cancelled Service; and (iii) Lumen's out of pocket costs (if any) incurred in deploying or constructing facilities necessary for Service delivery or (B) following delivery of a Connection Notice, (i) all unpaid amounts for Service actually provided; (ii) 100% of the remaining monthly recurring charges (if any) for months 1-12 of the Service Term; (iii) 50% of the remaining monthly recurring charges for month 13 through the end of the Service Term; and (iv) to the extent not recovered by the foregoing, any termination liability payable to third parties by Lumen resulting from the termination.

3.2 Customer Security Contacts. Customer will designate one primary and up to two additional Customer security contacts, and provide email and telephone contact details for each contact (the "Customer Security Contacts"). Customer will ensure Customer Security Contacts and all associated details are accurate and current at all times and that at least one Customer Security Contact is reachable 24/7. Lumen will only accept, discuss or make changes to the Service with the registered Customer Security Contacts or via the Portal. Requests for changes to the list of Customer Security Contacts must be made by an existing Customer Security Contact.

3.3 Access to Managed Devices and Customer Sites. Customer agrees to provide Lumen with prompt, reasonable and safe access to any applicable Customer sites necessary for Lumen to provide Service and comply with any reasonable physical and environmental requirements as may be identified by Lumen. Customer is required to provide hands on assistance for the purposes of troubleshooting and/or diagnosing technical difficulties.

3.4 Lumen Provided IP Addresses and Domain Names. If Lumen assigns Customer an IP address as part of the provision of Service, the IP address will (to the extent permitted by law) revert to Lumen after termination of the applicable Order for any reason whatsoever, and Customer will cease using the IP address. At any time after termination, Lumen may re-assign the IP address to another user. If Lumen obtains a domain name for Customer (which may be required in some jurisdictions), Customer will be the sole owner. Customer will be solely responsible for: (i) paying any associated fees (including renewal fees); (ii) complying with legal, technical, administrative, billing or other requirements imposed by the relevant domain name registration authority; and (iii) modifying the domain name if Customer changes service providers. Customer will indemnify, defend and hold Lumen (and its employees, affiliates, agents and subcontractors) harmless from any and all third-party claims, losses, liabilities and damages, including reasonable attorney's fees) relating to or arising from Customer's use of domain names (including claims for intellectual property infringement).

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3.5 Third-Party IP Addresses and Networks. If (i) any of the IP addresses identified by Customer as part of the Service are associated with computer systems owned, managed, and/or hosted by a third-party service provider ("Third-Party Provider"); or (ii) any Customer equipment or any other computer systems to be monitored as part of the Service are part of a network owned, managed and/or otherwise controlled by, or collocated on premises owned, managed, and/or otherwise controlled by a Third-Party Provider, Customer warrants that it has and will maintain, the consent and authorization necessary for Lumen (and its affiliates, agents and vendors) to perform all elements of the Service, including but not limited to any vulnerability scanning of the Third-Party Provider networks that may be reasonably necessary as part of the provision of Service. Customer agrees to facilitate any necessary communications and exchanges of information between Lumen and the Third-Party Provider(s). Customer will indemnify, defend and hold Lumen (and its employees, affiliates, agents and subcontractors) harmless from and against any and all third party claims, losses, liabilities and damages, including reasonable attorney's fees, arising out of Customer's breach of its warranties or obligations in this Section.

3.6 Third Party Software. If any third-party software or agent, including any corresponding documentation, is required in connection with the Service, Customer agrees to use the third party software strictly in accordance with all applicable licensing terms and conditions, including any click to accept terms required as part of the download/install process. Customer acknowledges and agrees that it is solely responsible for selecting and ensuring that Customer provided software and systems, including third party software, is up to date and supportable. Customer's failure to do so may result in Lumen's inability to provide the Services and Lumen will have no liability therefrom, including for missed Service Levels.

3.7 Lumen Provided Software. If any third-party software, or agent including any corresponding documentation, is required in connection with the Service, Customer agrees to use third party software strictly in accordance with all applicable licensing terms and conditions, including any click to accept terms required as part of the download/install process.

3.8 Customer Provided CPE. Customer may use Customer Provided CPE that is pre-approved by Lumen and supports Lumen's IPSec encryption method standards. All Customer Provided CPE must be up to date and subject to a current maintenance contract supported by the manufacturer. Customer is solely responsible for the installation, operation, maintenance, use and compatibility of Customer Provided CPE. Customer will cooperate with Lumen in setting the initial configuration for the Customer Provided CPE that interfaces with the Services and comply with Lumen's instructions. Customer's failure to comply with its obligations in this section may result in Lumen's inability to provide the Services and Lumen will have no liability therefrom, including for missed Service Levels. Router configuration, deployment and management will be provided by Customer unless Customer separately purchases those services from Lumen.

3.9 Customer's Security Policies. Customer acknowledges that Lumen implements security policies at Customer's reasonable direction. Customer maintains overall responsibility for maintaining the security of Customer's network and computer systems. Customer acknowledges that notwithstanding anything in this Service Schedule, the Service is not a guaranty against malicious code, deleterious routines, and other techniques and tools employed by computer "hackers" and other third-parties to create security exposures.

3.10 Customer Network. Customer acknowledges that Customer network is Customer's sole responsibility. LumenLu may provide Customer with guidelines for minimum system requirements, compatibility, and other information necessary to use the Service, and Customer is responsible for making any required changes to its network environment in order to utilize the Service.

3.11 Customer Change Notifications. Customer will provide Lumen with 5 business days' advanced notice by the submission or update of a critical server ticket through the Portal regarding any changes to the network or firewall environment. If advance notice cannot be provided, Customer is required to provide Lumen with notification of changes within 7 business days.

3.12 Chronic Problems. Customer will resolve any Chronic Problem by taking whatever steps are deemed necessary to rectify the issue, including, but not limited to: (i) removing or modifying the existing Service configuration; (ii) making network changes in order to adhere to Lumen's guidelines; (iii) changing, maintaining or replacing Customer Provided CPE or other equipment or required for the Service; (iv) Lumen may suspend or terminate the Service if Customer has not remedied the Chronic Problem within 30 days of request by Lumen.

3.13 Vulnerability Testing with ANS. Lumen will permit Customer to perform, or to engage an independent third party to perform, at Customer's expense, vulnerability scanning against Adaptive Network Security service for the sole use of Customer to utilize firewall inspection services, remote access ANS Site and Adaptive Network Security Mobility services.

Customer's right to conduct vulnerability scanning is subject to the following limitations. Customer will: (i) restrict the vulnerability scanning to IP addresses Lumen has issued for Customer's sole use; (ii) restrict the scanning and enumeration of services installed to the sole purpose of identifying applications, open ports, and versions of software code in use; (iii) not under any circumstances exploit, or attempt to exploit in any way, any potential vulnerabilities identified by the vulnerability scan; and (iv) immediately stop scanning activity if instructed to do so by Lumen, and will not perform further scanning activity until notified by Lumen. Customer and Lumen will mutually agree on a vulnerability mitigation process.

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3.14 For ANS – Site, Customer is responsible for adhering to Lumen's recommended IPSec encryption standards. If Customer does not adhere to our recommended standards, then Customer information over the encrypted tunnel may be compromised and exposed to more security vulnerabilities and malicious events as it traverses the internet before it is protected by the ANS service. Customer is solely responsible for all equipment and other facilities used in the connection with the ANS-Site which are not provided by Lumen.

3.15 For Secure Access – Cellular, Customer will not use SAC other than in support of backup to the Lumen provided MPLS/ IP VPN Services or ANS-Site primary access. Any use of SAC or components of equipment in any capacity other than support backup to Lumen MPLS or ANS-Site primary access will be a violation of this Service Schedule. Without limitation to Lumen's other remedies under the Agreement, Lumen reserves the right to charge, and Customer agrees to pay, for (i) any misuse of SAC or components, and/or (ii) for such usage in excess of Lumen's established data pool for Customer, separately at the rates then charged to Lumen by the third party cellular provider. Additionally, if Lumen provides Customer notice of such use of which Lumen becomes aware, Lumen may terminate SAC within 10 days of such notice if such use does not cease. Any use of SAC in a primary or non-backup manner will give Lumen the right to immediately suspend SAC and Customer will be liable to Lumen for any overage fees that may be charged to Lumen for use of SAC beyond a failover. Lumen is not responsible, however, for monitoring for such usage by the Customer. Customer, at Customer's expense, is responsible for returning the Lumen provided CPE to Lumen at the end of the Service Term.

4. Additional Service Limitations and Disclaimers.

4.1 Unless Customer requests otherwise and Lumen agrees, Lumen will store the security log files for rolling 90 days and make the security logs available to Customer in the Portal. If any security log files contain personal data, Lumen will not use personal data except as necessary to provide the Service and provide relevant information to Customer. Lumen will not undertake any additional security measures for log files containing personal data.

4.2 **Personal Data.** Customer and Lumen acknowledge that it may be necessary to provide the other party with personal data or to access personal data of the other party as necessary for the performance of each party's obligations under the Agreement and/or this Service Schedule, including, but not limited to and where applicable, employees' and authorized representatives' names, business contact information, technical or operational data (such as online identifiers), credentials to access portals and other platforms made available by one party to the other and similar personal data. The parties acknowledge and agree that each is a controller with respect to any such personal data exchanged under the Agreement and/or this Service Schedule, and any such personal data is provided on a controller-to-controller basis. Any personal data exchanged in accordance with this Section will be limited to the extent necessary for the parties to perform their obligations or exercise their rights under the Agreement or this Service Schedule. As used in this Service Schedule, the terms "personal data," "processing," "processor" and "controller" will have the meanings ascribed to them in applicable data protection laws, including, without limitation, the European Union General Data Protection Regulation (Regulation (EU) 2016/679). Each party will be independently and separately responsible for complying with its obligations as a controller under applciable data protection laws in its capacity as a data controller with respect to the personal data it provides to the other party and/or receives from the other party. Unless otherwise set forth in the Agreement, Lumen personnel will not access or attempt to access personal data that is processed via the operation of the Service. Processing is typically carried out at machine-level and Lumen will not retain any copies of data longer than necessary to perform the applicable Service or perform under the Agreement. To the extent legally required, Customer and Lumen will enter into separate written agreements required to comply with laws governing the relationship between a controller and processor with respect to the processing of personal data described in this Section, including, without limitation, any agreements required to facilitate necessary cross-border personal data transfers. Customer will be responsible for notifying Lumen whether such written agreements are required based on the nature of the data being processed.

4.3 Customer acknowledges that Lumen has no obligation to back up and store any Customer metrics or log related data beyond the 90 day rolling time period detailed in this Schedule and after expiration or termination of the Service at which time Lumen will automatically delete all logs. Customer acknowledges and agrees that it is solely Customer's responsibility to make copies of or obtain the logs prior to expiration or termination.

4.4 **Modification or Termination of Network Firewall Services by Lumen.** Lumen reserves the right to modify any features or functionalities of the Service upon 90 days' prior notice to Customer. If the modification materially or detrimentally affects the features or functionality of the Service,Customer will, within 30 days of the change, notify Lumen of the material and detrimental impact and elect to cancel the affected Service as its sole remedy and without termination liability upon 60 days' advanced written notice if Lumen does not remedy the material and detrimental impact within the notice period.

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4.5 Portal. Customer's primary Customer Security Contact will be given access to the Portal in order to view Threat Visualization, Rapid Threat Defense security posture setting, log management, retention, standard reporting, and viewable firewall policy configurations regarding the Service, and also to facilitate the placing of change orders. Lumen will provide Customer up to three security two-factor authentication tokens ("2FA Tokens") for access to the Portal. Customer will accept and comply with the End User Rules of Use associated with the 2FA Tokens. If Customer requests more than three 2FA Tokens, Lumen will provide the additional 2FA Tokens for an additional charge. Access to the Portal's security areas is restricted to the authorized Customer Security Contacts. All information received by the Customer from Lumen through the Portal's security areas is deemed "Confidential", is solely for Customer's internal use and may not be re-distributed, resold or otherwise transmitted outside of Customer's organization. For the avoidance of doubt, retention of logs and views in the Portal expire with the Service Term.

4.6 Intellectual Property. The Service and Lumen Provided Software, and all copyrights, patent rights and all intellectual property rights are the sole and exclusive property of Lumen or its third-party provider or licensor(s). Lumen grants Customer a non-exclusive, limited, non-transferrable, personal, revocable (at Lumen's sole discretion), non-sublicenseable, non-assignable right to access and/or use the Lumen Provided Software solely in accordance with the Service; *provided, however*, Customer will not reverse engineer, disassemble, decompile, or otherwise attempt to derive the source code of the Lumen Provided Software, nor will Customer remove any disclaimers, copyright attribution statements or the like from the Lumen Provided Software and any breach of this Section will automatically result in termination of the license granted.

4.7 Disclaimer/Liability.

4.7.1 Disclaimer. Customer acknowledges that the Services endeavor to mitigate security Events, but Events may not always be identified and if identified may not be mitigated entirely, blocked or rendered harmless. Customer further acknowledges that it should consider any particular Service as just one tool to be used as part of an overall security strategy and not a guarantee of security. The Service provided under this Service Schedule is a supplement to Customer's existing security and compliance frameworks, network security policies and security response procedures, for which Lumen is not, and will not be, responsible. While Lumen will use reasonable commercial efforts to provide the Services in accordance with the SLA, the Services are otherwise provided "as-is". LUMEN MAKES NO WARRANTY, GUARANTEE, OR REPRESENTATION, EXPRESS OR IMPLIED, THAT ALL SECURITY THREATS AND VULNERABILITIES WILL BE DETECTED, THAT THE PERFORMANCE OF THE SERVICES WILL RENDER CUSTOMER'S SYSTEMS INVULNERABLE TO SECURITY BREACHES OR THAT GEOGRAPHICAL IP ADDRESSES WILL BE 100% ACCURATE, THAT ANY THIRD PARTY SOFTWARE PROVIDED BY CUSTOMER WILL BE COMPATIBLE WITH THE SERVICE AND/OR THAT LUMEN'S RECOMMENDATIONS, ASSESSMENTS, TESTS, REPORTS OR MONITORING WILL BE ACCURATE, COMPLETE, ERROR-FREE, OR EFFECTIVE IN ACHIEVING CUSTOMER'S SECURITY AND/OR COMPLIANCE RELATED OBJECTIVES. Neither Lumen or its subcontractors will be liable for any damages or liabilities however classified including third party claims which Customer or third parties may incur as a result of: (i) non-compliance with any standards which apply to Customer; and/or (ii) reliance upon (or implementation of recommendations from) results, reports, tests, or recommendations related to the Services; or (iii) loss or corruption of data or information transmitted through the Service. Notwithstanding anything to the contrary in any Agreement, Lumen provides no indemnities or warranties on the Services.

4.7.2 Direct Damages. Except for the payment and indemnification obligations of Customer and subject to the Damages Limitations provision in the Agreement or similar waiver of consequential damages provision, the total aggregate liability of each party arising from or related to this Service Schedule will not exceed the total MRCs, NRCs, and usage charges paid or payable to Lumen for the affected Services under this Service Schedule in the six months immediately preceding the first event giving rise to the cause of action ("Damage Cap"). With respect to any Service provided to Customer under this Schedule that is provided for Customer's convenience at no charge, Lumen will not be responsible or liable for any damages whatsoever and Customer's sole liability as it is related to Services provided at no charge is to terminate the affected Service.

4.7.3 Additional Disclaimers. LUMEN DOES NOT REPRESENT OR WARRANT THAT THE SERVICE AND ANY SOFTWARE IS NON-INFRINGING, OR THAT IT WILL BE UNINTERRUPTED, ERROR-FREE OR VIRUS FREE, FREE FROM ERROR, THAT ANY DOCUMENTATION OR MATERIALS ARE COMPLETE OR THAT THE SERVICE OR SOFTWARE WILL MEET OR SUPPORT CUSTOMER'S BUSINESS REQUIREMENTS.

4.7.4 Resale and Premises Restrictions. Notwithstanding anything to the contrary in the Agreement, Customer is prohibited from reselling any Service provided pursuant to this Service Schedule and may only use the Service within Customer owned or controlled enviroments without the express written consent of Lumen.

5. Definitions.

"Advanced Change" means any change that is not a Basic Change. An additional Order may be required to complete an Advanced Change.

"Basic Changes" are changes that do not directly impact Customer's overall solution.

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LUMEN NETWORK FIREWALL SERVICE SCHEDULE

"Chronic Problem" means a continuing error, conflict, trouble report, or similar issue (individual or collective) caused by the Customer that affects performance of the Service.

"Customer Provided CPE" means hardware, software, and other tangible equipment and intangible computer code it may contain that is provided, configured, deployed and managed by Customer and/or its designee. Customer is responsible for installing any software, whether Customer or Lumen provided, on Customer Provided CPE.

"Event" means any security abnormality detected by the Service and reported by the IDS/IPS feature. An Event does not necessarily constitute an actual security incident and must be investigated further to determine its validity.

"Excused Outage" will also mean, for purposes of this Schedule, the Service Levels will not apply, and Customer will not be entitled to receive a credit or exercise a termination right under the applicable Service Level, for (i) failure of Customer CPE or any other failure or malfunction of equipment, applications, public internet, network or systems not owned, controlled or provided by Lumen; (ii) Customers' actions or omissions (including but not limited to not releasing the Service for testing/repair, failure or to provide timely approvals or consents, failure to provide and maintain current contact information and escalation lists; (iii) Chronic Problems(iv) Regularly Scheduled Maintenance or emergency maintenance; (v) Lumen's lack of access to the Customer premises where reasonably required to restore any equipment, internet, network, or systems owned or controlled by Lumen and necessary to provide the Service; (vi) failure of the access medium used by Customer to connect to Customer's Internet or IPVPN, including failing to assure adequate bandwidth to support the Service; or (vii) Customer is in breach of its obligations under the Agreement or this Service Schedule.

"Gateway" means the physical location (e.g. gateway, POP) in the network that houses the Lumen equipment utilized to provide each instance of Service.

"Incident" means any single Event or collection of Events evaluated and deemed a security threat.

"Portal" means the Service specific web-based portal to which Customer will have access in order to monitor Customer's traffic and view Events.

"Regularly Scheduled Maintenance" means any scheduled maintenance performed to the Service. Regularly Scheduled Maintenance will not normally result in Service interruption. If Regularly Scheduled Maintenance requires an interruption, Lumen will: (a) provide Customer seven (7) days' prior written notice, (b) work with Customer to minimize such interruptions, and (c) use commercially reasonable efforts to perform such maintenance between midnight and 6:00 a.m. local time where the Service is located on which such maintenance is performed and. Emergency maintenance may be performed on less or no notice.

Secure Access – Site: Secure Access Site enables Customer to set up a network connection and establish a secure tunnel across the Public Internet between the Customer's remote location and the Customer's Lumen provided IPVPN network, via configuration and deployment of managed routers. Secure Access Site may be designated as "Secure Internet Access" or "No Firewall " or "ANS Basic No Features" in Customer Orders, Order acceptance, service delivery, billing and related documents.

"Service Unavailability" is when Service is unable to pass traffic for reasons other than an Excused Outage.

"SOC" means Lumen security operations center.

Pricing: Click here to view the LUMEN Adaptive Network Security (ANS) Price List

2.3.34 CYXTERA

Cyxtera Services

Cyxtera Federal Group combines a worldwide footprint of 57 best-in-class data centers with a portfolio of modern, cloud and hybrid-ready security and analytics offerings – providing more than 3,500 enterprises, government agencies and service providers an integrated, secure and resilient infrastructure platform for critical applications and systems.

With more than 60 data centers in 29 markets, Cyxtera is a global leader in the retail colocation space. Offering customers not only world class performance, security, and reliability, but also a true partnership that includes flexible, customized solutions designed to meet their needs.

Pricing: Click here to view the Cyxtera Price List

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2.3.35 Lumen Network Storage

SERVICE SCHEDULE: LUMEN NETWORK STORAGE FOR PUBLIC SECTOR

The services covered by this Service Schedule are the Lumen Network Storage for Public Sector ("LNSPS") Services provided by Lumen to Customer ("Services"). Not all Services are available in all regions or countries and are subject to availability of adequate capacity and Lumen's acceptance of a signed Service Order.

1. Customer's use of Services is subject to the LNSPS Service Guide, the LNSPS Service Level Agreement, and the LNSPS Supplemental Terms available at https://www.lumen.com/en-us/about/legal/business-customer-terms-conditions.html.

2. Service Description.

2.1 Lumen Network Storage for Public Sector is a usage based billed in tiers, pay for use multi-protocol storage service that includes: (i) a physical infrastructure layer comprised of a Lumen provided servers available in the configurations identified below and running a virtual operating system that enables a virtualized storage environment; and (ii) connectivity requirements described in Section 2.2 below: For clarification purposes, the LNSPS is available only on a dedicated platform, unlike LNS for enterprise customers that operates on a shared basis.

Lumen Network Storage for Public Sector is available on Lumen owned dedicated hardware within a Lumen controlled or managed environment or on Lumen owned hardware located in a Customer data center or a Customer designated data center. Lumen provides the private connection between the Customer's environment and the LNSPS equipment per the Connectivity section below.

Lumen and/or its designee will provide the design/installation, initial testing and configuration, administration, monitoring, maintenance, and support, for the components detailed in this Service Schedule.

2.2 Service Components.

2.2.1 The **Storage Node** includes standard encryption of stored (data at rest) content, and private access to storage volumes from Customer's compute infrastructure. Customer is solely responsible for security of content traversing the network (i.e. in transit), including encryption. The Storage Node is the core component of the Service, and includes volume provisioning, and storage management.

2.2.2 Customer may create a dedicated group of users that share common access privileges to data. Customers may establish one or more sub-tenants; however, each tenant, including stored content, is standalone and not accessible to any other tenant. Optional encryption is provided for content traversing the shared network connection.

2.2.3 Connectivity Requirements

(A) Host access for Storage Nodes that are not on the customer's premises is a connection between Customer's compute infrastructure and the Service provided. This connectivity may be enabled either via 1) a private connection between the LNSPS server and the Managed Hosting infrastructure if the Service is in a Lumen controlled or managed environment, and/or 2) Customer provided and managed local networks within Customer's premises.

(B) Customer may elect to utilize an encrypted network connection via public internet. Connectivity may be provided by Lumen or by Customer so long as Lumen approves the technical specification of such network connectivity.

(C) Data Replication between Storage Nodes and on shared instances is included as a part of the Service. Data Replication on dedicated instances is an optional, orderable feature that requires the purchase of a separate Lumen approved and provided networking service that connects between at least two physical locations. Data Replication may require additional Lumen Network Storage Nodes and network connectivity.

2.2.4 Management Access is a Lumen provided connection between Lumen's core infrastructure and the Service for each supported configuration. Lumen will maintain global administrative access to the hardware at all times and will maintain the root password for all Lumen managed functions in order to maintain configuration consistency and accountability for changes. Lumen does not have access to any Customer data stored on the LNSPS platform. Management access may be enabled via existing connections or new connectivity provided by Lumen if the Service is provided on Lumen owned and managed multi-tenant or dedicated hardware within a

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Lumen controlled or managed environment. Customer is required to procure applicable connectivity and enable and continuously maintain access and/or other needed permissions in order for Lumen to manage the Service if the Service is provided at a non-Lumen controlled environment.

2.3 Design/Installation. Lumen will provide the following:

2.3.1 Service Pod. Sizing and selection of Service Pod components, configuration, deployment and management by Lumen and/or its designee as needed to satisfy Customer's projected capacity requirements.

2.3.2 Capacity Planning. Each physical location requested is subject to initial and ongoing capacity planning and location availability. Customer will provide Lumen with projection capacity requirements at the time of Order for Storage configurations, within commercially reasonable thresholds. Customer acknowledges that capacity planning is an estimate only and not a guarantee of capacity and actual usage may require capacity adjustments. Lumen will use reasonable efforts to meet and/or adjust Customer's capacity requirements; however, adjusting to increased capacity requirements is not on demand and requires that Lumen physically install hardware at the applicable location and Customer is responsible for providing Lumen as much notice as possible of increase capacity requirements. Availability of additional capacity by requested dates is not guaranteed. No installation SLA applies and no credits nor other remedies are available to Customer for failure to meet requested dates.

2.4 Storage Node Provisioning and Configuration.

2.4.1 Lumen automation tools, utilizing various open source software are available for self-service within the Portal. This enables Customer to provision a Storage Node according to parameters defined within the Portal. Certain features selected by Customer within the Portal may be subject to additional fees and such features may be more fully described in the Service Guide.

3. Pricing; Billing.

Service pricing is based on term, volume size and other configurations selected by the Customer. Month to month Pricing is subject to change upon notice.

3.3 Service Term; Renewal; Termination.

3.3.1 Service Term. The Initial Service Term is the term stated in the service order of any LNSPS Service will commence on the applicable Service Commencement Date and will remain in effect for as long as Customer continues to access and use the Service. Notwithstanding anything to the contrary in the Agreement or the Service Exhibit, at the conclusion of the Initial Service Term, the Services will renew on a month to month basis at the same monthly Revenue Commit unless Customer, prior to expiration of the committed term signs a new Order with a new Revenue Commit or Term Commit. Term commitment will be set forth in the applicable Service Order.

3.3.2 Termination. Customer may terminate a Service at any time without liability for early termination charges if the Service is not subject to a Revenue Commit or Term Commit. If any Service subject to a Revenue Commit and Term Commit is terminated either by Lumen as a result of Customer's default or by Customer for any reason other than as a result of default prior to the conclusion of an applicable Initial Service Term, then Customer will be liable for: (i) an early termination charge equal to 100% of the then current Revenue Commit (as identified on the applicable Order) multiplied by the number of months remaining in the Initial Service Term; (ii) all Service charges accrued but unpaid as of the termination date; and (iii) any out of pocket costs incurred by or imposed upon Lumen (e.g. license fees, vendor termination charges). Any Service in a renewal term and subject to a monthly Revenue Commit may be terminated by either party upon advance thirty (30) days written notice.

3.4.3 Lumen Responsibilities.

3.1 Lumen is not responsible or liable for any delays, security policies, security breaches attributable to the Services or connectivity between Storage Nodes. Further, Lumen is not responsible for any loss or corruption of data or information. Lumen assumes no responsibility whatsoever for any damage to, loss or destruction of, or unauthorized disclosure of any of Customer's files, data or peripherals which may result from Customer's use of Service, including transmission between nodes and/or Customer's own or contracted infrastructure, or Customer's errors or omissions in self provisioning the Service or loss or disclosure of any data or information stored within the Service. Lumen does not warrant that others will be unable to gain access to Customer's computer(s) and data. Lumen has no responsibility and assumes no liability for such acts or occurrences.

3.2 Lumen responsibilities for the Service are restricted to those components of the Service Pod up to, and including the network switch contained within the Pod, and any Lumen provided tools or systems necessary for

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managing the Service. Lumen is not responsible for network connections beyond the Service Pod, except if such connections are managed by Lumen as part of a separate purchased service.

Customer data stored within the Service is encrypted at rest, Customer maintains encryption keys.

4. Customer Responsibilities.

4.1 Customer acknowledges and agrees that its failure to perform its obligations set forth in the Agreement, Service Exhibit or this Service Schedule, including for Customer's errors or omissions in setting up, configuring and/or modifying the environment or Service may result in Lumen's inability to perform the Services and Lumen will not be liable for any such failure to perform.

4.2 If any Service Pod will be located at a Customer premises, Customer agrees: (a) it has and will maintain all rights, authorizations and consents necessary to enable Lumen to operate and maintain the Services at the Customer locations; (b) it will, at its expense, provide secure, suitable space and environmental conditions, including power supply, rack space, HVAC, cabling, lighting and any other items for environment requirements, at the Customer location(s) as necessary for the installation, operation or maintenance of the Service, including cabling for connectivity between the hardware and the Lumen network; (c) it will ensure that Lumen, its agents and subcontractors have sufficient, safe and timely access to the Customer locations to enable Lumen to test, operate, maintain and disconnect the Services; (d) it will not, and will not permit others to, move, configure, tamper with, modify, restrict access to, or attempt to repair the Services, the hardware or network or interfere with the maintenance thereof; (e) it bears the entire risk of loss, theft, destruction, or damage to the hardware at Customer locations; (f) it will provide all information and cooperation reasonably required by Lumen in order for Lumen to provide the Services hereunder; and (g) upon any expiration or termination of the applicable Service, Customer will, at the option of Lumen, return the Service Pod to Lumen at Customer's expense, or provide all necessary cooperation to allow Lumen to remove the hardware from any Customer location(s).

4.3 Customer will provide Lumen's approved personnel, immediate access to Customer's physical location to resolve any issues with the Service Pod that cannot be resolved remotely. Customer will ensure that all permissions of any kind needed for the installation and operation of the Service are in place at all times. If the Customer has an Access Control List (ACL) that interferes with management connections, the Customer must allow Lumen access for management and monitoring.

4.4 Customer agrees to notify Lumen in writing at least sixty (60) days prior to requested relocation of the any Service Pods installed on a Customer premise. Customer agrees that a Change Order, including applicable fees, will apply for any changes to locations. Lumen reserves the right to install alternate hardware that does not materially affect the functionality of the Service. Customer agrees to cooperate with Lumen in the installation of any new hardware.

4.5 Customer will not send, receive or store content containing material which is in breach of any applicable laws, codes, conventions or regulations and agrees that it has and will maintain all necessary rights and authorizations associated with such content. Customer assumes all liability and responsibility for the content of their content or digital files.

4.6 Customer is solely responsible for changes it makes to the Service via the Portal, for maintaining appropriate security, routine archiving of content, and protection and backup of applicable content, which may include the use of encryption technology to protect content from unauthorized access. Lumen will not be responsible for any service interruption resulting in actions taken by the Customer affecting the Service as these are outside of Lumen's control.

4.7 Customer is responsible for ensuring that Lumen has all appropriate permissions to install the applicable software components (subset of the Service Pod) on the third party infrastructure. Customer is also responsible for enabling Lumen management access per the Connectivity requirements noted above.

4.8 Customer represents that it will ensure that all information provided to Lumen is accurate at all times and that any business contact has consented to Lumen's processing of Customer's personal information for such purposes.

5. Definitions.

Access Protocol: The access method used to establish a connection between an operating system and a Storage Volume and falls into categories of block, file and object protocols. Lumen Network Storage access protocols

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include NFS v3 and CIFS for file access and iSCSI for block access. Object tier access is via an industry-standard S3-compatible protocol.

Portal(s): Portal(s) means the Lumen Network Storage Portal and any other Lumen designated Portal as used within this Service Schedule and associated with the Lumen Network Storage Service.

Storage Node: A Storage Node, available with Adaptive Tier, is a software-defined storage array configured on the underlying hardware at a given location that is co-located with the workloads that are consuming the Service. Each Storage Node is dedicated to a single customer.

Service Pod: A Service Pod is the hardware and software upon which the Service is delivered, including physical servers, storage and network devices and associated software. Service Pods are installed in all Service locations except third party cloud providers, where only software is installed on the provider's underlying infrastructure. Hardware may be owned by Lumen, an affiliate or its vendors.

Storage Volume: A Storage Volume refers to the logical container that holds data being stored. Storage Volumes provide multi-protocol access to servers.

Pricing: Click here to view the LUMEN NETWORK STORAGE FOR PUBLIC SECTOR Price List

2.3.36 Verge Technologies, Inc. SentientDB

SentientDB (dbPaaS)

SentientDB provides real time database performance optimization across the enterprise data footprint while ensuring database service levels are met. SentientDB provides true "cloud-convergence" (managing many clouds as one) and enables your enterprise to truly manage all databases regardless of their locations (physical, logical, or virtual) as if they were in one virtual "CLOUD."

SentientDB intelligently moves and migrates enterprise data, while simultaneously controlling and optimizing the performance of all databases. When there is a need for real-time decisions, SentientDB can migrate the data to wherever it is needed within your enterprise, regardless of physical locations. This capability works for all data types like email, documents, multi-media, and transactions (EDMT). This allows the right data to be is in the hands of the right people…at the right time. SentientDB provides industry-changing flexibility via integrations with multiple enterprise operating systems. For example SentientDB can work with signals from enterprise data analysis products to move data or databases – based on real time processing results – to specific groups who need to make critical decisions based on those results.

With our powerful first-to-market engines and APIs, your enterprise can use SentientDB to better ensure your data landscape remains safe and secure. SentientDB integrates with your external cyber threat and risk systems and tools. This new capability provides the "action" missing from cyber security systems. Once a network management system's alert is received, SentientDB moves your databases out of harm's way to another network, site, or even another country based on the specific security or network alert.

Not only does SentientDB help eliminate database outages in cases of operating environment failures, it also allows for routine maintenance to be performed on your database environment with ZERO downtime. With SentientDB, there is no longer a need to plan for lengthy windows of downtime with users unable to access their systems.

Key features include:

- Cloud and infrastructure independent / agnostic
- Optimized performance and mobility across all cloud providers and infrastructure environments
- Single-pane-of-glass visibility to all DB environments with performance monitoring
- A policy engine that takes action on performance issues, automatically
- Secure real-time DB cluster management and synchronization cluster scaling dependent upon transaction volumes across your entire landscape
- Automated discovery of available server inventory
- Intelligent self-managing database mobility and availability anywhere, anytime worldwide with transaction consistency

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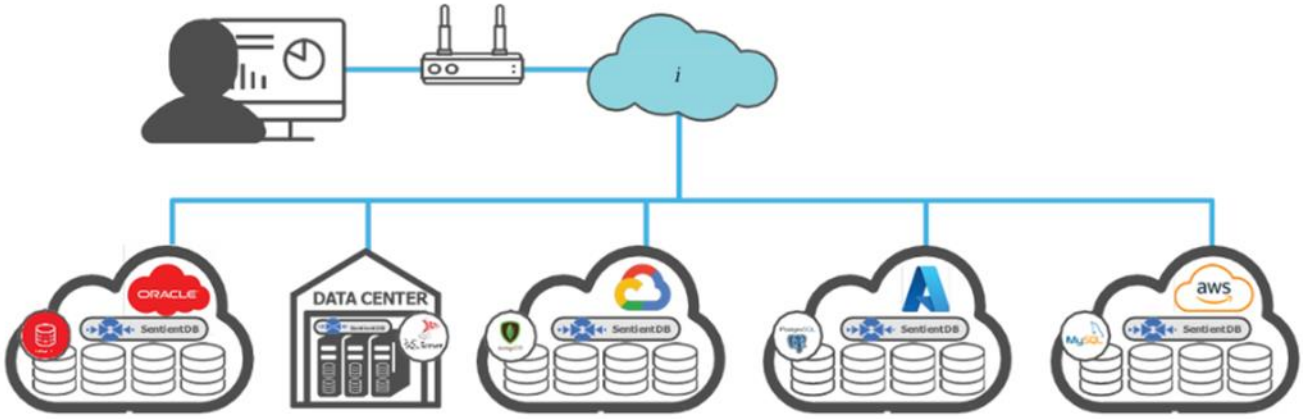
- Auto migration to new public / hybrid cloud environments which offers improved QOS; reducing OPEX/CAPEX and increasing ROI
- Standard database policies implemented across the enterprise regardless of the cloud environment reducing maintenance, operational and DR costs and ensuring RTO/RPO compliance
- Resolves common HA/DR and security management strategy for multiple databases (SQL or NoSQL) across multiple cloud environments



How it works

Monitor

SentientDB monitors all databases in the enterprise regardless of cloud provider (see figure above). Monitoring data is aggregated into a single console for analysis, trending and reporting of performance. Database resources and critical performance attributes are monitored for action in real time.

Take Action

Monitoring data is compared to cognitive policies/thresholds set for each database. SentientDB takes the prescribed actions to optimize the database environment in real time. SentientDB performs these actions in single or multi/hybrid environments.

Assure

SentientDB provides:

- service provisioning
- service delivery
- service assurance

across the database lifecycle ensuring an optimized operating environment with no loss of transactions.

Pricing: Click here to view the Verge Technologies Price List

2.4 MULTIPLE AWARD SCHEDULE (MAS) SIN ANCILLARY: DEFINITION OF SERVICE OFFERING AND TERMS & CONDITIONS APPLICABLE TO ANCILLARY SUPPLIES AND SERVICES

2.4.1 Ancillary Supplies & Services ADTRAN

Pricing: Click here to view the LUMEN Ancillary ADTRAN Price List

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3.0 PRICING

3.1 MULTIPLE AWARD SCHEDULE (MAS) SIN 33411 PURCHASE OF EQUIPMENT PRODUCTS AND PRICING

3.1.1 ADTRAN Purchase of Equipment Products and Pricing

MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
33411	132-8.4513	ADTRAN	1202471G1	PWR SUPP 12V 800MA US CORD —PWR SUPP 12V 800MA US CORD—AC/DC Converter 12 VDC to be used with Total Access 832 and NetVanta 832. US Power Cord	NRC	$ 70.13
33411	132-8.4515	ADTRAN	4200633G6US	NETVANTA 834 W/ US PWR —NETVANTA 834 W/ US PWR—The NetVanta 834 bundle includes (1) NetVanta 834 NTU (1200633G6) and (1) AC/DC converter for AC powering (1202470E1).	NRC	$ 1,350.51
33411	132-8.4995	ADTRAN	1200814E1	512MB SO DIMM, NETVANTA—512MB Expandable SO DIMM Memory for NetVanta 3448	NRC	$ 209.40
33411	132-8.4998	ADTRAN	1200827E1	NETVANTA 3400 RACKMOUNT KIT—Spare rackmount kit for NetVanta 3400 series routers.	NRC	$ 28.30
33411	132-8.5004	ADTRAN	1200881E1	NETVANTA ROUTERS CNSL CBL—DB-9 Male to DB-9 Female Console Cable for the NetVanta routers and switches. Allows local access through the console port.	NRC	$ 28.30
33411	132-8.5008	ADTRAN	1950820G2	V3430 2ND GEN ENHANCED FW --NV3430 2ND GEN ENHANCED FW--Enhanced Feature Pack software for the NetVanta 3430. Includes support for IPSec-based DES/3DES/AES encryption and includes MD5/SHA1 authentication. Also includes Voice Quality Monitoring for MOS detection, packet loss, jitter, and delay. UPC=00607565029288	NRC	$ 366.74
33411	132-8.5009	ADTRAN	1950821E2	NTVNTA 3448 ENHNCED F/W—NTVNTA 3448 ENHNCED F/W—Enhanced Feature Pack software for the NetVanta 3448. Includes support for IPSec-based DES/3DES/AES encryption and includes MD5/SHA1 authentication. Also includes Voice Quality Monitoring for MOS detection, packet loss, jitter, and delay.	NRC	$ 366.74
33411	132-8.5010	ADTRAN	1950823G2	NV 3450 EFP FW —NV 3450 EFP FW—Enhanced Feature Pack (EFP) firmware upgrade to support IPSec based VPN in the NetVanta 3450 only. Includes support for DES/3DES/AES encryption and includes MD5/SHA1 authentication. Also includes Voice Quality Monitoring for MOS detection, packet loss, jitter, and delay.	NRC	$ 598.79
33411	132-8.5011	ADTRAN	1950824G2	NV 3458 EFP FW —NV 3458 EFP FW—Enhanced Feature Pack (EFP) firmware upgrade to support IPSec based VPN in the NetVanta 3458 only. Includes support for DES/3DES/AES encryption and includes MD5/SHA1 authentication. Also includes Voice Quality Monitoring for MOS detection, packet loss, jitter, and delay.	NRC	$ 598.79
33411	132-8.5021	ADTRAN	4200893E1	NETVNTA 4305 OCTL T1/E1 BUNDLE—NETVNTA 4305 OCTL T1/E1 BUNDLE—Access router for frame relay and point-to-point connectivity. Includes Octal T1/E1 Wide Module. Also has 2 NIM/DIM slots for existing NIMs and DIMs and 2 integral 10/100BaseT Ethernet ports. Features include IP routing, OSPF, RIP V1 and V2, Static routes, 802.1d Bridging (all protocols), Command Line Interface, Frame Relay and PPP WAN Protocols, SNMP, Telnet, Craft/Console port, TFTP support, stateful inspection firewall. 1U metal chassis.	NRC	$ 2,460.33
33411	132-8.5024	ADTRAN	4700633G1	NTVNTA 4430 OCTAL T1/E1 BUNDLE —NTVNTA 4430 OCTAL T1/E1 BUNDLE—Access Router designed for Internet access, MPLS, frame relay, Ethernet services, point-to-point, and VPN connectivity. Includes 1 Octal T1/E1 Wide Module. Also includes 2 NIM/DIM slots for existing NIMs and	NRC	$ 2,706.98

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
				DIMs, 2 integral Gigabit/SFP module slots, and 1 10/100BaseT Ethernet interface.. Features include IP routing, OSPF, BGP, RIP V1 and V2, Static routes, 802.1d Bridging (all protocols), Command Line Interface, Frame Relay and PPP WAN Protocols, SNMP, Telnet, Craft/Console port, TFTP support, stateful inspection firewall. 1U metal chassis.		
33411	132-8.5026	ADTRAN	1950630G2	NETVANTA 4430 EFP F/W —NETVANTA 4430 EFP F/W—Enhanced Feature Pack software upgrade to support IPSec based VPN in the NetVanta 4430 only. Includes support for DES/3DES/AES encryption and includes MD5/SHA1 authentication. Also includes Voice Quality Monitoring for MOS detection, packet loss, jitter, and delay.	NRC	$ 923.62
33411	132-8.5043	ADTRAN	47006334G1	NETVANTA 6334 16FXS —NETVANTA 6334 16FXS—NetVanta 6330 – 16 FXS - 1 NIM2 slot, 16 FXS ports, 2 FXO ports, Two 10/100 BaseT and IP Router. Includes G.168 Echo Cancellation and support for G.711 and G.729a CODECs. Supports VoIP applications using SIP. Router features include OSPF, BGP, RIP V1 and V2, Static routes, 802.1d Bridging (all protocols), CLI, SNMP, Telnet, Craft/Console port, TFTP support and stateful inspection firewall.	NRC	$ 1,569.31
33411	132-8.5044	ADTRAN	47006336G1	NETVANTA 6336 24FXS —NETVANTA 6336 24FXS—NetVanta 6330 – 24 FXS - 1 NIM2 slot, 24 FXS ports, 2 FXO ports, Two 10/100 BaseT and IP Router. Includes G.168 Echo Cancellation and support for G.711 and G.729a CODECs. Supports VoIP applications using SIP. Router features include OSPF, BGP, RIP V1 and V2, Static routes, 802.1d Bridging (all protocols), CLI, SNMP, Telnet, Craft/Console port, TFTP support and stateful inspection firewall.	NRC	$ 1,724.03
33411	132-8.5061	ADTRAN	1700102G1	QUAD FXS NIM2 —QUAD FXS NIM2—Analog Station Voice Interface Module (VIM2) for the NetVanta 6310. Provides four analog RJ-11 station (FXS) ports for connection to analog devices such as POTS phones, FAX machines, and/or modems.	NRC	$ 278.07
33411	132-8.5062	ADTRAN	1700103G1	QUAD SHDSL EFM NIM 2 —QUAD SHDSL EFM NIM 2 - ANNEX A—SHDSL EFM NIM2 module for the NetVanta 6310. Supports up to four two-wire SHDSL loops (Annex A) delivering up to 22 Mbps of Carrier Ethernet service.	NRC	$ 678.29
33411	132-8.5063	ADTRAN	1700105G1	QUAD FXO NIM2 —QUAD FXO NIM2—Analog Trunk Voice Interface Module (VIM2) for the NetVanta 6310. Provides four analog RJ-11 trunk (FXO) ports for termination of PSTN circuits.	NRC	$ 339.75
33411	132-8.5065	ADTRAN	1700107G1	NETVANTA ETHERNET NIM2 —NETVANTA ETHERNET NIM2—Single 10/100BaseT Ethernet interface. Copper only. Supported in NetVanta 6310 and NetVanta 6330 chassis	NRC	$ 154.76
33411	132-8.5066	ADTRAN	1700108G1	OCTAL FXS NIM2 —OCTAL FXS NIM2—Analog Station Voice Interface Module (VIM2) for the NetVanta 6310. Provides eight analog RJ-11 station (FXS) ports for connection to analog devices such as POTS phones, FAX machines, and/or modems.	NRC	$ 369.97
33411	132-8.5067	ADTRAN	1700109G1	OCTAL FXO NIM2 —OCTAL FXO NIM2—Analog Trunk Voice Interface Module (VIM2) for the NetVanta 6310. Provides eight analog RJ-11 trunk (FXO) ports for termination of PSTN circuits.	NRC	$ 524.73
33411	132-8.5068	ADTRAN	1700111G1	QUAD FXS/FXO NIM2 —QUAD FXS/FXO NIM2—Analog Trunk/Station Voice Interface Module (VIM2) for the NetVanta 6310. Provides four analog RJ-11 trunk (FXO) ports for termination of PSTN circuits.	NRC	$ 431.64

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				Also provides four analog RJ-11 station (FXS) ports for connection to analog devices such as POTS phones, FAX machines, and/or modems.		
33411	132-8.5069	ADTRAN	1700112G1	QUAD BRI S/T NIM2 —QUAD BRI S/T NIM2—BRI S/T NIM2 module for the NetVanta 6310 and 6330 Series. Provides 4 S/T BRI interfProCare.	NRC	$ 278.07
33411	132-8.5142	ADTRAN	1800002L1	TA INSTALL KIT W/ ETH —TA INSTALL KIT W/ ETH—Total Access Installation kit includes Type 66 punch down block, 50p Amphenol voice cable(10'), and CAT5 Ethernet cable (25').	NRC	$ 160.72
33411	132-8.5173	ADTRAN	1700939F1	3 2.4G AND 3 5G OMNIDIRECTIONA —3 2.4G AND 3 5G OMNIDIRECTIONA—A set of three 2.4GHz and three 5gHz 2dBi omni-directional antennas for the BSAP-1840	NRC	$ 46.41
33411	132-8.5393	ADTRAN	1196CP101L1	CBL,DSX1,64P,FE,AMP—CBL,DSX-1,64P,FE,AMP-STUB,50FT—50', Copper, 64-Pin, 90-degree female amphenol to STUB, 24 AUG, 28-pair, PIN 64 drainwire, DSX-1 Data Cable for use with ADTRAN Total Access 3000 and OPTI-6100 systems.	NRC	$ 119.34
33411	132-8.5394	ADTRAN	1196CP101L2	CBL,DSX1,64P,FE,AMP—CBL,DSX1,64P,FE,AMP-STUB,100FT—100', Copper, 64-Pin, 90-degree female amphenol to STUB, 24 AUG, 28-pair, PIN 64 drainwire, DSX-1 Data Cable for use with ADTRAN Total Access 3000 and OPTI-6100 systems.	NRC	$ 233.14
33411	132-8.5398	ADTRAN	1196CP101L6	CBL,DSX1,64P,M—CBL,DSX-1,64P,FE,AMP-STUB,10FT—10', Copper, 64-Pin, 90-degree female amphenol to STUB, 24 AWG, 28-pair, PIN 64 drainwire, DSX-1 Data Cable part number for use with ADTRAN Total Access 3000 and OPTI-6100 systems.	NRC	$ 45.29
33411	132-8.5400	ADTRAN	1196CP501L2	CBL,DSX1,64P,M—CBL,DSX1,64P,M-F,AMP,5FT—5' Copper, 64-Pin, Male, 180-degree amphenol to 64-pin, Female, 90-degree amphenol DSX-1 cable for connection between the OPTI-6100 (1184500L1) and an MX 2800 patch panels (1200291L1 and 1200291L2).	NRC	$ 51.93
33411	132-8.5430	ADTRAN	1200291L2	MX2800,2—MX2800,2-DS3 RJ48 PANEL W/CBL—1U high patch panel that provides 56 RJ connections for DSX-1 deployment; fits in a 19-in. rack; includes four 6-ft. 64 pin to 64 pin cables to connect directly to the rear of the MX2800.	NRC	$ 677.12
33411	132-8.5481	ADTRAN	1200657L3	15FT COAX CABLES —15FT COAX CABLES—Two coax cables for the DS3 connection of the MX2800.	NRC	$ 66.30
33411	132-8.5482	ADTRAN	1200657L4	50FT COAX CABLE —50FT COAX CABLE—Two coax cables for the DS3 connection of the MX2800.	NRC	$ 124.87
33411	132-8.5483	ADTRAN	1200657L6	2-6FT COAX CABLES—2-6FT COAX CABLES—Two coax cables for the DS3 connection of the MX2800.	NRC	$ 35.35
33411	132-8.5484	ADTRAN	1200657L10	TA750 PWR SUP TO 3 GRND LUG CB —TA750 PWR SUP TO 3 GRND LUG CB—Power supply cable. Used with MX2810 and Total Access 750/850.	NRC	$ 9.94
33411	132-8.5501	ADTRAN	1186015L1	MX2820 TEST ACCESS MODULE —MX2820 TEST ACCESS MODULE—The MX2820 Test Access Module (TAM) is used with the MX2820 chassis to provide a quick, reliable means for craft personnel to test cabling between the chassis backplane and the DSX-1 cross-connect panel or connecting equipment.	NRC	$ 382.08
33411	132-8.5537	ADTRAN	1186020L2	3FT,FTRE BUS/AMP OMLD ADPT CBL —3FT,FTRE BUS/AMP OMLD ADPT CBL—MX2820 3-ft., 2MM Future Bus to amp adapter cable, overmolded.	NRC	$ 79.55
33411	132-8.5539	ADTRAN	1186021L2	6FT,FTRE BUS/AMP OMLD PTCH CBL —6FT,FTRE BUS/AMP OMLD PTCH CBL—MX2820	NRC	$ 79.55

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				6-ft., 2MM Future Bus to amp patch cable, overmolded.		
33411	132-8.5546	ADTRAN	1186026L2	10FT,FTRE BUS/AMP OMLD PTCH CB — 10FT,FTRE BUS/AMP OMLD PTCH CB—MX2820 10-ft., MM Metral/Amp Patch Cable with Overmold (male 64-pin)	NRC	$ 92.82
33411	132-8.5548	ADTRAN	1186028L2	25FT,FTRE BUS/AMP OMLD ADPT CB — 25FT,FTRE BUS/AMP OMLD ADPT CB—MX2820 25-ft., MM Metral/Amp Adapter Cable with Overmold (female 64-pin)	NRC	$ 118.24
33411	132-8.5664	ADTRAN	1100101L12	ProCare REMOTE INSTALL —ProCare REMOTE INSTALL—ProCare Remote telephone support of customer installation of ATLAS 830, ATLAS 890 with 8 or less option modules.	NRC	$ 1,598.25
33411	132-8.5665	ADTRAN	1100101L13	ProCare REMOTE INSTALL —ProCare REMOTE INSTALL—ProCare Remote telephone support of customer installation of ATLAS 890 with 9 or more option modules	NRC	$ 2,134.16
33411	132-8.5666	ADTRAN	1100101L8	ProCare REMOTE INSTALL —ProCare REMOTE INSTALL—ProCare Remote telephone support of customer installation of ATLAS 550	NRC	$ 711.39
33411	132-8.5669	ADTRAN	1100102L8	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL—ProCare On Site Installation of ATLAS 550	NRC	$ 1,721.55
33411	132-8.5673	ADTRAN	1100104L12	ProCare REMOTE INSTALL SUN/HOL —ProCare REMOTE INSTALL SUN/HOL—ProCare Sunday/Holiday Remote telephone support of customer installation of ATLAS 830, ATLAS 890 with 8 or less option modules.	NRC	$ 3,196.49
33411	132-8.5674	ADTRAN	1100104L13	ProCare REMOTE INSTALL SUN/HOL —ProCare REMOTE INSTALL SUN/HOL—ProCare Sunday/Holiday Remote telephone support of customer installation of ATLAS 890 with 9 or more option modules	NRC	$ 4,268.31
33411	132-8.5675	ADTRAN	1100104L8	ProCare REMOTE INSTALL SUN/HOL —ProCare REMOTE INSTALL SUN/HOL—ProCare Sunday/Holiday Remote telephone support of customer installation of ATLAS 550	NRC	$ 1,422.77
33411	132-8.5676	ADTRAN	1100105L12	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL EVE/SAT—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) ATLAS 830, ATLAS 890 with 8 or less option modules.	NRC	$ 4,973.06
33411	132-8.5677	ADTRAN	1100105L13	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL EVE/SAT—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) ATLAS 890 with 9 or more option modules	NRC	$ 6,538.11
33411	132-8.5678	ADTRAN	1100105L8	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL EVE/SAT—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) ATLAS 550	NRC	$ 2,582.53
33411	132-8.5679	ADTRAN	1100106L12	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL EVE/SAT—ProCare Sunday/Holiday On-Site Installation of of ATLAS 830, ATLAS 890 with 8 or less optionmodules.	NRC	$ 6,630.11
33411	132-8.5680	ADTRAN	1100106L13	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL EVE/SAT—ProCare Sunday/Holiday On-Site Installation of ATLAS 890 with 9 or more option modules	NRC	$ 8,716.84
33411	132-8.5681	ADTRAN	1100106L8	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL SUN/HOL—ProCare Sunday/Holiday On-Site Installation of ATLAS 550	NRC	$ 3,443.11
33411	132-8.5689	ADTRAN	1100101L4	ProCare REMOTE INSTALL —ProCare REMOTE INSTALL—ProCare Remote telephone support of customer installation of TA 608, 612	NRC	$ 355.69
33411	132-8.5690	ADTRAN	1100101L7	ProCare REMOTE INSTALL —ProCare REMOTE INSTALL—ProCare Remote telephone support of customer installation of TA 616, 624, 850	NRC	$ 474.26

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33411	132-8.5691	ADTRAN	1100102L4	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL—ProCare On Site Installation of TA 608, 612	NRC	$ 939.03
33411	132-8.5692	ADTRAN	1100102L7	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL—ProCare On Site Installation of TA 616, 624, 850	NRC	$ 1,199.87
33411	132-8.5695	ADTRAN	1100104L4	ProCare REMOTE INSTALL SUN/HOL —ProCare REMOTE INSTALL SUN/HOL—ProCare Sunday/Holiday Remote telephone support of customer installation of TA 608, 612	NRC	$ 711.39
33411	132-8.5696	ADTRAN	1100104L7	ProCare REMOTE INSTALL SUN/HOL —ProCare REMOTE INSTALL SUN/HOL—ProCare Sunday/Holiday Remote telephone support of customer installation of TA 616, 624, 850	NRC	$ 948.51
33411	132-8.5697	ADTRAN	1100105L4	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL EVE/SAT—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) TA 608, 612	NRC	$ 1,408.54
33411	132-8.5699	ADTRAN	1100106L4	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL SUN/HOL—ProCare Sunday/Holiday On-Site Installation of TA 608, 612	NRC	$ 1,878.06
33411	132-8.5700	ADTRAN	1100ALR10026L	REMOTE INSTALLATION —REMOTE INSTALLATION—ProCare Remote telephone support of customer installation of TA 600R, 604	NRC	$ 237.13
33411	132-8.5702	ADTRAN	1100ALR12026L	REMOTE SUN/HOLIDAY INSTALLATIO — REMOTE SUN/HOLIDAY INSTALLATIO—ProCare Sunday/Holiday Remote telephone support of customer installation of TA 600R, 604	NRC	$ 474.26
33411	132-8.5703	ADTRAN	1100ALS10026L	ON-SITE INSTALLATION—ON-SITE INSTALLATION—ProCare On-Site Installation of TA 600R, 604	NRC	$ 678.19
33411	132-8.5704	ADTRAN	1100ALS11526L	ON-SITE INSTALLATION—ON-SITE INSTALLATION AFTR HOUR—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) TA 600R, 604	NRC	$ 1,017.32
33411	132-8.5705	ADTRAN	1100ALS12026L	ON-SITE INSTALLATION—ON-SITE INSTALLATION SUNDAY/HO—ProCare Sunday/Holiday On-Site Installation of TA 600R, 604	NRC	$ 1,356.37
33411	132-8.5706	ADTRAN	1700930F1	ANTENNA BUNDLE, BSAP 1940— MIMO antenna array, 3x3:3. Includes mounting kit.	NRC	$ 79.24
33411	132-8.5715	ADTRAN	1700931F1	ANTENNA BUNDLE, BSAP 1935—A set of three 2.4GHz and three 5gHz omni-directional antennas for the BSAP-1935	NRC	$ 46.41
33411	132-8.5716	ADTRAN	1700932F1	ANTENNA BUNDLE, BSAP 1925—A set of two 2.4GHz and two 5GHz omni-directional antennas for the BSAP-1925	NRC	$ 32.83
33411	132-8.5718	ADTRAN	1100ALS11530N	ProCare ONSITE AFTER HRS INSTALL—ProCare After Hours Onsite Installation (excludes Sunday and Holidays) for a NetVanta 1535P	NRC	$ 1,408.54
33411	132-8.5719	ADTRAN	1100ALS11531N	ProCare ONSITE AFTER HRS INSTALL—ProCare After Hours Onsite Installation of a Media Converter; must be sold in conjunction with ProCare Onsite Installation for a NetVanta 1535P	NRC	$ 182.60
33411	132-8.5720	ADTRAN	1100ALR11530N	ProCare REMOTE AFTER HRS INSTALL—ProCare After Hours Remote Installation for a NetVanta 1535P	NRC	$ 776.63
33411	132-8.5721	ADTRAN	1100ALR11531N	ProCare REMOTE AFTER HRS INSTALL—ProCare After Hours Remote Installation of a Media Converter; must be sold in conjunction with ProCare Remote Installation for a NetVanta 1535P	NRC	$ 71.15
33411	132-8.5722	ADTRAN	1100ALR11519N	REMOTE INSTALLATION AFTER HOUR—ProCare After Hrs. Remote (excludes Sunday and Holidays) telephone support of customer installation of NetVanta VPN Client 1 User	NRC	$ 142.29
33411	132-8.5723	ADTRAN	1100ALR11521N	REMOTE AFTER HRS INSTALLATION—ProCare After Hrs. Remote (excludes Sunday and Holidays)	NRC	$ 1,778.46

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				telephone support of customer installation of NetVanta VPN Client25 Users		
33411	132-8.5724	ADTRAN	1100ALS10030N	ONSITE INSTALLI NETVANTA 1535P—ProCare Onsite Installation for a NetVanta 1535P during normal business hours, Monday through Friday, 8 am until 5 pm local time	NRC	$ 939.03
33411	132-8.5725	ADTRAN	1100ALS10031N	ONSITE INSTALL MEDIA CONVERTER—ProCare Onsite Installation of a Media Converter during normal business hours, Monday through Friday, 8 am until 5 pm local time; must be sold in conjunction with ProCare Onsite Installation for a NetVanta 1535P;	NRC	$ 126.88
33411	132-8.5726	ADTRAN	1100ALR10030N	REMOTE INSTALL NETVANTA 1535P—ProCare Remote Installation for a NetVanta 1535P during normal business hours, Monday through Friday, 8 am until 5 pm local time	NRC	$ 516.94
33411	132-8.5727	ADTRAN	1100ALR10031N	REMOTE INSTALL MEDIA CONVERTER—ProCare Remote Installation of a Media Converter during normal business hours, Monday through Friday, 8 am until 5 pm local time; must be sold in conjunction with ProCare Remote Installation for a NetVanta 1535P	NRC	$ 43.87
33411	132-8.5728	ADTRAN	1100ALR10019N	REMOTE INSTALLATION—ProCare Remote telephone support of customer installation of NetVanta VPN Client 1 User	NRC	$ 94.85
33411	132-8.5729	ADTRAN	1100ALR10021N	REMOTE INSTALLATION—ProCare Remote telephone support of customer installation of NetVanta VPN Client25 Users	NRC	$ 1,185.64
33411	132-8.5730	ADTRAN	1100ALS12030N	ProCare ONSITE SUN/HOL INSTALL NV—ProCare Sunday / Holiday Onsite Installation for a NetVanta 1535P	NRC	$ 1,878.06
33411	132-8.5731	ADTRAN	1100ALS12031N	ProCare ONSITE SUN/HOL INSTALL ME—ProCare Sunday / Holiday Onsite Installation of a Media Converter; must be sold in conjunction with ProCare Onsite Installation for a NetVanta 1535P	NRC	$ 239.51
33411	132-8.5732	ADTRAN	1100ALR12030N	ProCare REMOTE SUN/HOL INSTALL NV—ProCare Sunday / Holiday Remote Installation for a NetVanta 1535P	NRC	$ 1,033.88
33411	132-8.5734	ADTRAN	1100ALR10027L	REMOTE INSTALLATION —REMOTE INSTALLATION—ProCare Remote telephone support of customer installation of TA 904, 908, 912, NetVanta 6310, NetVanta 6330 8FXS, NetVanta 6240 8FXS	NRC	$ 355.69
33411	132-8.5735	ADTRAN	1100ALR10028L	REMOTE INSTALLATION —REMOTE INSTALLATION—ProCare Remote telephone support of customer installation of TA 916, 924, NetVanta 6630 16FXS, NetVanta 6330 16FXS+8FXO, Netvanta 6330 24FXS, Netvanta 644, NetVanta 6240 16FXS, NetVanta 6240 24FXS	NRC	$ 474.26
33411	132-8.5736	ADTRAN	1100ALR11527L	REMOTE AFTER HRS INSTALLATION —REMOTE AFTER HRS INSTALLATION—ProCare After Hrs Remote (excludes Sunday & Holidays) telephone support of customer installation of TA 904, 908, 912, NetVanta 6310, NetVanta 6330 8FXS, NetVanta 6240 8FXS	NRC	$ 533.56
33411	132-8.5737	ADTRAN	1100ALR11528L	REMOTE AFTER HRS INSTALLATION —REMOTE AFTER HRS INSTALLATION—ProCare After Hrs Remote (excludes Sunday & Holidays) telephone support of customer installation of TA 916, 924, NetVanta 6630 16FXS, NetVanta 6330 16FXS+8FXO, Netvanta 6330 24FXS, Netvanta 644, NetVanta 6240 16FXS, NetVanta 6240 24FXS	NRC	$ 711.39
33411	132-8.5739	ADTRAN	1100ALR12027L	REMOTE SUN/HOLIDAY INSTALLATIO —REMOTE SUN/HOLIDAY INSTALLATIO—ProCare Sunday/Holiday Remote telephone support of customer installation of TA 904, 908, 912, NetVanta 6310, NetVanta 6330 8FXS, NetVanta 6240 8FXS	NRC	$ 711.39

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33411	132-8.5740	ADTRAN	1100ALR12028L	REMOTE SUN/HOLIDAY INSTALLATIO — REMOTE SUN/HOLIDAY INSTALLATIO—ProCare Sunday/Holiday Remote telephone support of customer installation of TA 916, 924, NetVanta 6630 16FXS, NetVanta 6330 16FXS+8FXO, Netvanta 6330 24FXS, Netvanta 644, NetVanta 6240 16FXS, NetVanta 6240 24FXS	NRC	$ 948.51
33411	132-8.5742	ADTRAN	1100ALS10027L	ON-SITE INSTALLATION—ON-SITE INSTALLATION—ProCare On-Site Installation of TA 904, 908, 912, NetVanta 6310, NetVanta 6330 8FXS, NetVanta 6240 8FXS	NRC	$ 939.03
33411	132-8.5743	ADTRAN	1100ALS10028L	ON-SITE INSTALLATION—ON-SITE INSTALLATION—ProCare On-Site Installation of TA 916, 924, NetVanta 6630 16FXS, NetVanta 6330 16FXS+8FXO, Netvanta 6330 24FXS, Netvanta 644, NetVanta 6240 16FXS, NetVanta 6240 24FXS	NRC	$ 1,199.87
33411	132-8.5744	ADTRAN	1100ALS11525N	ON-SITE INSTALLATION—ON-SITE INSTALLATION AFTR HOUR—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) NetVanta 6355	NRC	$ 1,408.54
33411	132-8.5745	ADTRAN	1100ALS11527L	ON-SITE INSTALLATION—ON-SITE INSTALLATION AFTER HOU—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) TA 904, 908, 912, NetVanta 6310, NetVanta 6330 8FXS, NetVanta 6240 8FXS	NRC	$ 1,408.54
33411	132-8.5746	ADTRAN	1100ALS11528L	ON-SITE INSTALLATION—ON-SITE INSTALLATION AFTER HOU—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) TA 916, 924, NetVanta 6630 16FXS, NetVanta 6330 16FXS+8FXO, Netvanta 6330 24FXS, Netvanta 644, NetVanta 6240 16FXS, NetVanta 6240 24FSX, NetVanta 6240 16FXS, NetVanta 6240 24FXS	NRC	$ 1,799.90
33411	132-8.5748	ADTRAN	1100ALS12027L	ON-SITE INSTALLATION—ON-SITE INSTALLATION SUNDAY/HO—ProCare Sunday/Holiday On-Site Installation of TA 904, 908, 912, NetVanta 6310, NetVanta 6330 8FXS, NetVanta 6240 8FXS	NRC	$ 1,878.06
33411	132-8.5749	ADTRAN	1100ALS12028L	ON-SITE INSTALLATION—ON-SITE INSTALLATION SUNDAY/HO—ProCare Sunday/Holiday On-Site Installation of TA 916, 924, NetVanta 6630 16FXS, NetVanta 6330 16FXS+8FXO, Netvanta 6330 24FXS, Netvanta 644, NetVanta 6240 16FXS, NetVanta 6240 24FXS	NRC	$ 2,399.74
33411	132-8.5757	ADTRAN	4700630G3SBC	NETVANTA 4430 SBC—NetVanta 4430 including Session Border Controller Feature Pack. Chassis includes 2 10/100/1000BaseT and 1 10/100BaseT Ethernet interfProCare, with option module slots for WAN expansion. In addition to stateful inspection firewall, B2BUA, SIP proxy, and full featured business class router, the SBC feature pack includes robust features such as back-to-back user agent, SIP header manipulation and media anchoring for normalization between disparate SIP networks. Supports 300 simultaneous sessions.	NRC	$ 3,194.12
33411	132-8.5786	ADTRAN	1100101L16	ProCare REMOTE INSTALL —ProCare REMOTE INSTALL—ProCare Remote telephone support of customer installation of NetVanta VPN Client 100 Users	NRC	$ 3,789.31
33411	132-8.5787	ADTRAN	1100101N10	ProCare REMOTE INSTALL —ProCare REMOTE INSTALL—ProCare Remote telephone support of customer installation of upgrade for NetVanta routers and switches to the Enhanced Feature Pack.	NRC	$ 355.69
33411	132-8.5789	ADTRAN	1100102N10	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL—ProCare On Site Installation of upgrade for NetVanta routers and switches to the Enhanced Feature Pack.	NRC	$ 678.19

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
33411	132-8.5790	ADTRAN	1100102N11	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL—ProCare On Site Installation of NetVanta 5305 Subrate T3 Bundle	NRC	$ 3,409.91
33411	132-8.5791	ADTRAN	1100103N10	REMOTE AFTER HRS INSTALLATION —REMOTE AFTER HRS INSTALLATION—ProCare After Hrs Remote (excludes Sunday & Holidays) telephone support of customer installation of NetVanta routers and switches to the Enhanced Feature Pack.	NRC	$ 533.56
33411	132-8.5792	ADTRAN	1100103N4	ProCare REMOTE INSTALL EVE/SAT —ProCare REMOTE INSTALL EVE/SAT—ProCare After Hrs Remote (excludes Sunday & Holidays) telephone support of customer installation of 320x, 3430, 3448, 3450 or 3458 Standard Install (excludes BGP, IGMP, QOS, VPN)	NRC	$ 561.99
33411	132-8.5793	ADTRAN	1100103N5	ProCare REMOTE INSTALL EVE/SAT —ProCare REMOTE INSTALL EVE/SAT—ProCare After Hrs Remote (excludes Sunday & Holidays) telephone support of customer installation of 320x, 3120, 3130, 3430, 3448, 3450 or 3458 Ehanced Install (includes BGP, IGMP, QOS, VPN)	NRC	$ 775.47
33411	132-8.5796	ADTRAN	1100103N8	ProCare REMOTE INSTALL EVE/SAT —ProCare REMOTE INSTALL EVE/SAT—ProCare After Hrs Remote (excludes Sunday & Holidays) telephone support of customer installation of NetVanta 4305, 4430 Standard Install (excludes BGP, IGMP, QOS, VPN)	NRC	$ 1,017.32
33411	132-8.5801	ADTRAN	1100104N7	ProCare REMOTE INSTALL SUN/HOL —ProCare REMOTE INSTALL SUN/HOL—ProCare Sunday/Holiday Remote telephone support of customer installation of 3305, 1224R, 1224STR(PoE), Enhanced Install (includes BGP, IGMP, QOS, VPN) 1335 Excludes WiFi	NRC	$ 1,356.37
33411	132-8.5802	ADTRAN	1100104N8	ProCare REMOTE INSTALL SUN/HOL —ProCare REMOTE INSTALL SUN/HOL—ProCare Sunday/Holiday Remote telephone support of customer installation of NetVanta 4305, 4430 Standard Install (excludes BGP, IGMP, QOS, VPN)	NRC	$ 1,356.37
33411	132-8.5803	ADTRAN	1100104N9	ProCare REMOTE INSTALL SUN/HOL —ProCare REMOTE INSTALL SUN/HOL—ProCare Sunday/Holiday Remote telephone support of customer installation of 4305, 4430 Enhanced Install (includes BGP, IGMP, QOS, VPN)	NRC	$ 1,697.84
33411	132-8.5804	ADTRAN	1100105N10	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL EVE/SAT—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) NetVanta routers and switches to the Enhanced Feature Pack.	NRC	$ 1,017.32
33411	132-8.5805	ADTRAN	1100105N4	ON-SITE INSTALLATION—ON-SITE INSTALLATION AFTER HOU—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) of 320x, 3430, 3448, 3450 or 3458 Standard Install (excludes BGP, IGMP, QOS, VPN)	NRC	$ 1,017.32
33411	132-8.5806	ADTRAN	1100105N5	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL EVE/SAT—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) of 320x, 3120, 3130, 3430, 3448, 3450 or 3458 Enhanced Install (includes BGP, IGMP, QOS, VPN)	NRC	$ 1,408.54
33411	132-8.5807	ADTRAN	1100105N6	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL EVE/SAT—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) of NetVanta 3305, 1224R, 1224STR(PoE) Standard Install (excludes BGP, IGMP, QOS, VPN)	NRC	$ 1,408.54
33411	132-8.5808	ADTRAN	1100105N7	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL EVE/SAT—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) of 3305, 1224R, 1224STR(PoE), Enhanced Install (includes BGP, IGMP, QOS, VPN) 1335 Excludes WiFi	NRC	$ 1,842.57

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
33411	132-8.5809	ADTRAN	1100105N8	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL EVE/SAT—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) of NetVanta 4305, 4430 Standard Install (excludes BGP, IGMP, QOS, VPN)	NRC	$ 1,842.57
33411	132-8.5810	ADTRAN	1100105N9	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL EVE/SAT—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) of 4305, 4430 Enhanced Install (includes BGP, IGMP, QOS, VPN)	NRC	$ 2,269.31
33411	132-8.5811	ADTRAN	1100106N10	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL SUN/HOL—ProCare Sunday/Holiday On-Site Installation of upgrade for NetVanta routers and switches to the Enhanced Feature Pack.	NRC	$ 1,356.37
33411	132-8.5822	ADTRAN	1100ALR10024N	REMOTE INSTALLATION —REMOTE INSTALLATION—ProCare Remote telephone support of customer installation of NetVanta VPN Client 50 Users	NRC	$ 2,134.16
33411	132-8.5824	ADTRAN	1100ALR11515N	REMOTE AFTER HRS INSTALLATION —REMOTE AFTER HRS INSTALLATION—ProCare After Hrs Remote (excludes Sunday & Holidays) telephone support of customer installation of NetVanta 1335(PoE) WiFI	NRC	$ 1,102.65
33411	132-8.5827	ADTRAN	4700630G2	Adtran—NTVNTA 4430 W/ENHANCE FEAT PCK	NRC	$ 2,398.67
33411	132-8.5828	ADTRAN	1950890E2	Adtran—NETVANTA 4305 EFP F/W	NRC	$ 923.62
33411	132-8.5832	ADTRAN	1100ALR115N13	REMOTE AFTER HRS INSTALLATION —REMOTE AFTER HRS INSTALLATION—ProCare After Hrs Remote (excludes Sunday & Holidays) telephone support of customer installation of NetVanta 5305 Enhanced Install (includes BGP, IGMP, QOS, VPN)	NRC	$ 2,838.60
33411	132-8.5843	ADTRAN	1100ALS10015N	ON SITE INSTALLATION —ON SITE INSTALLATION—ProCare On Site Installation of NetVanta 1335(PoE) WiFI	NRC	$ 1,337.40
33411	132-8.5845	ADTRAN	1100ALS11515N	ON-SITE INSTALLATION—ON-SITE INSTALLATION AFTR HOUR—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) NetVanta 1335(PoE) WiFI	NRC	$ 2,006.11
33411	132-8.5846	ADTRAN	1100ALS115N11	ON-SITE INSTALLATION—ON-SITE INSTALLATION AFTR HOUR—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) NetVanta 5305 Subrate T3 Bundle	NRC	$ 5,115.34
33411	132-8.5847	ADTRAN	1100ALS115N12	ON-SITE INSTALLATION—ON-SITE INSTALLATION AFTER HOU—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) NetVanta 5305 Standard Install (excludes BGP, IGMP, QOS, VPN)	NRC	$ 3,549.91
33411	132-8.5848	ADTRAN	1100ALS115N13	ON-SITE INSTALLATION—ON-SITE INSTALLATION AFTER HOU—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) NetVanta 5305 Enhanced Install (includes BGP, IGMP, QOS, VPN)	NRC	$ 4,973.06
33411	132-8.5850	ADTRAN	1100ALS12015N	ON-SITE INSTALLATION—ON-SITE INSTALLATION SUNDAY/HO—ProCare Sunday/Holiday On-Site Installation of NetVanta 1335(PoE) WiFI	NRC	$ 2,674.81
33411	132-8.5851	ADTRAN	1100ALS120N11	ON-SITE INSTALLATION—ON-SITE INSTALLATION SUNDAY/HO—ProCare Sunday/Holiday On-Site Installation of NetVanta 5305 Subrate T3 Bundle	NRC	$ 6,819.81
33411	132-8.5852	ADTRAN	1100ALS120N12	ON-SITE INSTALLATION—ON-SITE INSTALLATION SUNDAY/HO—ProCare Sunday/Holiday On-Site Installation of NetVanta 5305 Standard Install (excludes BGP, IGMP, QOS, VPN)	NRC	$ 4,733.08
33411	132-8.5862	ADTRAN	1101101N9	ProCare REMOTE INSTALL —ProCare REMOTE INSTALL—ProCare Remote telephone support of	NRC	$ 848.92

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
				customer installation of 4305, 4430 Enhanced Install (includes BGP, IGMP, QOS, VPN)		
33411	132-8.5863	ADTRAN	1101102N12	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL—ProCare On Site Installation of NetVanta 5305 Standard Install (excludes BGP, IGMP, QOS, VPN)	NRC	$ 2,366.54
33411	132-8.5870	ADTRAN	1101102N9	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL—ProCare On Site Installation of 4305, 4430 Enhanced Install (includes BGP, IGMP, QOS, VPN)	NRC	$ 1,512.88
33411	132-8.5874	ADTRAN	1100104N3	ProCare REMOTE INSTALL SUN/HOL —ProCare REMOTE INSTALL SUN/HOL—ProCare Sunday/Holiday Remote telephone support of customer installation of 1234(PoE), 1534(PoE) Enhanced Install (includes VLAN, Mgmt, SNMP, QoS), NetVanta 1544(PoE)	NRC	$ 749.33
33411	132-8.5876	ADTRAN	1100105N3	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL EVE/SAT—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) of 1234(PoE) or 1534(PoE) Enhanced Install (includes VLAN, Mgmt, SNMP, QoS), NetVanta 1544(PoE), 1544F	NRC	$ 1,017.32
33411	132-8.5878	ADTRAN	1100106N3	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL SUN/HOL—ProCare Sunday/Holiday On-Site Installation of 1234(PoE), 1534(PoE) Enhanced Install (includes VLAN, Mgmt, SNMP, QoS), NetVanta 1544(PoE), 1544F	NRC	$ 1,356.37
33411	132-8.5882	ADTRAN	1100ALR11527N	REMOTE AFTER HRS INSTALLATION —REMOTE AFTER HRS INSTALLATION—ProCare After Hrs Remote (excludes Sunday & Holidays) telephone support of customer installation of NetVanta 1238 (PoE) without VLAN, Mgmt, SNMP, CoS	NRC	$ 647.35
33411	132-8.5883	ADTRAN	1100ALR11528N	REMOTE AFTER HRS INSTALLATION —REMOTE AFTER HRS INSTALLATION—ProCare After Hrs Remote (excludes Sunday & Holidays) telephone support of customer installation of NetVanta 1238 (PoE) includes programming for VLAN, Mgmt, SNMP, CoS	NRC	$ 746.95
33411	132-8.5884	ADTRAN	1100ALR11529N	REMOTE INSTALLATION AFTER HOUR — REMOTE INSTALLATION AFTER HOUR—ProCare After Hrs Remote (excludes Sunday & Holidays) telephone support of customer installation of NetVanta 1638 (PoE)	NRC	$ 776.63
33411	132-8.5885	ADTRAN	1100ALR12027N	REMOTE SUND/HOLIDAY INSTALLATI — REMOTE SUND/HOLIDAY INSTALLATI—ProCare Sunday/Holiday Remote telephone support of customer installation of NetVanta 1238 (PoE) without VLAN, Mgmt, SNMP, CoS	NRC	$ 863.15
33411	132-8.5886	ADTRAN	1100ALR12028N	REMOTE SUN/HOLIDAY INSTALLATIO — REMOTE SUN/HOLIDAY INSTALLATIO—ProCare Sunday/Holiday Remote telephone support of customer installation of NetVanta 1238 (PoE) includes programming for VLAN, Mgmt, SNMP, CoS	NRC	$ 995.94
33411	132-8.5887	ADTRAN	1100ALR12029N	REMOTE INSTALLATION SUNDAY/HOL — REMOTE INSTALLATION SUNDAY/HOL—ProCare Sunday/Holiday Remote telephone support of customer installation of NetVanta 1638 (PoE)	NRC	$ 1,033.88
33411	132-8.5888	ADTRAN	1100ALS10027N	ON-SITE INSTALLATION—ON-SITE INSTALLATION—ProCare On-Site Installation of NetVanta 1238 (PoE) without VLAN, Mgmt, SNMP, CoS	NRC	$ 782.52
33411	132-8.5890	ADTRAN	1100ALS10029N	ON-SITE INSTALLATION—ON-SITE INSTALLATION—ProCare On Site Installation of NetVanta 1638 (PoE)	NRC	$ 939.03
33411	132-8.5891	ADTRAN	1100ALS11527N	ON-SITE INSTALLATION—ON-SITE INSTALLATION AFTR HOUR—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays)	NRC	$ 1,173.89

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
				NetVanta 1238 (PoE) without VLAN, Mgmt, SNMP, CoS		
33411	132-8.5892	ADTRAN	1100ALS11528N	ON-SITE INSTALLATION—ON-SITE INSTALLATION AFTR HOUR—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) NetVanta 1238 (PoE) includes programming for VLAN, Mgmt, SNMP, CoS	NRC	$ 1,351.63
33411	132-8.5893	ADTRAN	1100ALS11529N	ON-SITE INSTALLATION—ON-SITE INSTALLATION AFTR HOUR—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) of NetVanta 1638 (PoE)	NRC	$ 1,408.54
33411	132-8.5895	ADTRAN	1100ALS12028N	ON-SITE INSTALLATION—ON-SITE INSTALLATION SUNDAY/HO—ProCare Sunday/Holiday On-Site Installation of NetVanta 1238 (PoE) includes programming for VLAN, Mgmt, SNMP, CoS	NRC	$ 1,802.18
33411	132-8.5896	ADTRAN	1100ALS12029N	ON-SITE INSTALLATION—ON-SITE INSTALLATION SUN/HOL—ProCare Sunday/Holiday On-Site Installation of NetVanta 1638 (PoE)	NRC	$ 1,878.06
33411	132-8.5898	ADTRAN	1101101N2	ProCare REMOTE INSTALL —ProCare REMOTE INSTALL—ProCare Remote telephone support of customer installation of NetVanta 1534(PoE) Standard Install (excludes VLAN, Mgmt, SNMP, QoS)	NRC	$ 327.24
33411	132-8.5915	ADTRAN	1100104L1	ProCare REMOTE INSTALL SUN/HOL —ProCare REMOTE INSTALL SUN/HOL—ProCare Sunday/Holiday Remote telephone support of customer installation of 56k DSU/CSU's; T1 CSU's; Express 6XXX, NT1 ACE's; ISU 128, 2x64; Single Port TSU	NRC	$ 237.13
33411	132-8.5924	ADTRAN	1100106L1	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL SUN/HOL—ProCare Sunday/Holiday On-Site Installation of 56k DSU/CSU's; T1 CSU's; Express 6XXX, NT1 ACE's; ISU 128, 2x64; Single Port TSU	NRC	$ 834.69
33411	132-8.5936	ADTRAN	1100101L23	ProCare REMOTE INSTALL —ProCare REMOTE INSTALL—ProCare Remote telephone support of customer installation of MX 2800	NRC	$ 415.01
33411	132-8.5938	ADTRAN	1100102L23	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL—ProCare On Site Installation of MX 2800	NRC	$ 1,067.08
33411	132-8.5939	ADTRAN	1100103L23	ProCare REMOTE INSTALL EVE/SAT —ProCare REMOTE INSTALL EVE/SAT—ProCare After Hrs Remote (excludes Sunday & Holidays) telephone support of customer installation of of MX 2800	NRC	$ 623.70
33411	132-8.5940	ADTRAN	1100104L23	ProCare REMOTE INSTALL SUN/HOL —ProCare REMOTE INSTALL SUN/HOL—ProCare Sunday/Holiday Remote telephone support of customer installation of MX 2800	NRC	$ 831.16
33411	132-8.5941	ADTRAN	1100105L23	OBS—OBS-AFTR HURS ON-SIT INSTLLTON—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) MX 2800	NRC	$ 1,600.75
33411	132-8.5942	ADTRAN	1100106L23	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL SUN/HOL—ProCare Sunday/Holiday On-Site Installation of MX 2800	NRC	$ 2,134.16
33411	132-8.5943	ADTRAN	1100106L7	ProCare ON-SITE INSTALL—ProCare ON-SITE INSTALL SUN/HOL—ProCare Sunday/Holiday On-Site Installation of TA 616, 624, 850	NRC	$ 2,399.74
33411	132-8.5949	ADTRAN	1100ALS11525L	ON-SITE INSTALLATION—ON-SITE INSTALLATION AFTR HOUR—ProCare After Hrs On-Site Installation (excludes Sunday & Holidays) OCU 45	NRC	$ 818.13
33411	132-8.5953	ADTRAN	1950340F2	Adtran—NETVANTA 3140 EFP FW	NRC	$ 185.63
33411	132-8.5956	ADTRAN	1700950F1	Adtran—Bluesocket Access Point 1930 (BSAP 1930) for vWLAN; concurrent dual band (2.4 GHz/5 GHz) 802.11a/b/g/n, 3x3:3 MIMO (450 Mbps per radio) with internal Omni-directional antennas. No	NRC	$ 685.54

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
				external antenna connectors. Includes wall/ceiling mount kit and t-bar mount kit for ceiling panels. Requires IEEE 802.3af PoE or 12 volt AC/DC power adapter, both sold separately.		
33411	132-8.5957	ADTRAN	1700951F1	Adtran—Bluesocket Access Point 1935 (BSAP 1935) for vWLAN; concurrent dual band (2.4 GHz/5 GHz) 802.11a/b/g/n, 3x3:3 MIMO (450 Mbps per radio) with 6 RP-SMA jack antenna connectors. No internal antenna. Requires external antennas sold separately. Includes wall/ceiling mount kit and t-bar mount kit for ceiling panels. Requires IEEE 802.3af PoE or 12 volt AC/DC power adapter, both sold separately.	NRC	$ 685.54
33411	132-8.5973	ADTRAN	1100ALR001WIFSV	Adtran—Remote predictive site survey, to be used for an indoor Bluesocket vWLAN deployment prior to installation. This part number may be purchased as a standalone item; ProStart installation services are not required. Includes remote data gathering of the site environment and creation of a heat map deliverable to the ADTRAN partner. The partner or end user must provide scaled floor plans. Valid up to 40,000 square feet or 4 floors. Excludes anaylsis of third party access points. ADTRAN ProStart support is delivered during normal business hours, 8 am - 5pm site time, Monday through Friday.	NRC	$ 339.56
33411	132-8.5974	ADTRAN	1100ALR1001WIF1	Adtran—ProStart Remote installation for Bluesocket vWLAN, including: dedicated project management, data gathering, dedicated project engineer for configuration and support during test and turn up, access to training via online recorded webinars. This part number must be purchased in conjunction with the per access point remote installation. Includes 14 calendar day labor warranty. ADTRAN ProStart support is delivered during normal business hours , 8 am -5pm site time, Monday through Friday. If you require ProStart Installation support for AP expansion of an existing network, contact prostart@adtran.com for a custom quote.	NRC	$ 1,901.53
33411	132-8.5975	ADTRAN	1100ALR2101WIF1	Adtran—ProStart Remote installation for a Bluesocket Access Point (1800, 1840, 1920, 1925, 1930, 1935, 2030, 2035). This part number must be purchased in conjunction with either the ProStart Remote Installation for Bluesocket vWLAN or the ProStart Remote Installation for Bluesocket vWLAN with ProCloud Wi-Fi. Part number includes remote configuration, testing, and turn up support of a BSAP. Includes 14 calendar day labor warranty. ADTRAN ProStart support is delivered during normal business hours, 8 am -5pm site time, Monday through Friday. If you require ProStart Installation support for AP expansion of an existing network, contact prostart@adtran.com for a custom quote.	NRC	$ 9.06
33411	132-8.5980	ADTRAN	1100ALS1001WIF1	Adtran—ProStart Onsite Installation for Bluesocket vWLAN, including: dedicated project manager, dedicated project engineer, custom data gathering, remote predictive site survey, custom configurations, onsite visual site survey, and ADTRAN authorized onsite technician during test and turn up. Installation includes access to training via online recorded webinars. Includes 14 calendar day labor warranty. Part number to be sold in conjunction with the per BSAP ProStart Onsite Installation. ADTRAN ProStart support is delivered during normal business hours, 8 am -5pm site time, Monday through Friday. If you require ProStart Installation support for AP	NRC	$ 2,354.28

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
				expansion of an existing network, contact prostart@adtran.comfor a custom quote.		
33411	132-8.5990	ADTRAN	1700501F1	Adtran—POE INJECTOR/PROTECTOR POWER S	NRC	$ 116.59
33411	132-8.6021	ADTRAN	1702595F15	Adtran—POE PROTECTOR INJECTOR	NRC	$ 110.92
33411	132-8.6036	ADTRAN	4702595F15	Adtran—OSP POE INJECTOR/PROTECTOR BUN	NRC	$ 227.50
33411	132-8.6045	ADTRAN	17406369F3	Adtran—NV CE QUAD VDSL EFM, ANNEX B	NRC	$ 614.24
33411	132-8.6107	ADTRAN	1200291E1	MX2800 RJ48 PATCH PANEL W/CABL—1U high patch panel that provides 28 RJ connections for DSX-1 deployment; fits in a 19-in. rack; includes two 6 ft. 64 pin to 64 pin cables to connect directly to the rear of the MX2800. This product in sRoHS compliant.	NRC	$ 348.22
33411	132-8.6109	ADTRAN	1100ALR12031N	ProCare REMOTE SUN/HOL INSTALL ME—ProCare Sunday / Holiday Remote Installation of a Media Converter; must be sold in conjunction with ProCare Remote Installation for a NetVanta 1535P	NRC	$ 89.42
33411	132-8.6111	ADTRAN	1700954F1	BSAP-1920 2X2:2—Bluesocket Access Point 1920 (BSAP 1920) for vWLAN; concurrent dual band (2.4 GHz/5 GHz) 802.11a/b/g/n, 2x2:2 MIMO (300 Mbps per radio) with internal omni-directional antennas. No external antenna connectors. Includes wall/ceiling mount kit and t-bar mount kit for ceiling panels. Requires IEEE 802.3af PoE or 12 volt AC/DC power adapter, both sold separately.	NRC	$ 431.64
33411	132-8.6112	ADTRAN	1700955F1	BSAP-1925 2X2:2 EXT ANTENNA—Bluesocket Access Point 1925 (BSAP 1925) for vWLAN; concurrent dual band (2.4 GHz/5 GHz) 802.11a/b/g/n, 2x2:2 MIMO (300 Mbps per radio) with 4 RP-SMA jack antenna connectors. No internal antenna. Requires external antennas sold separately. Includes wall/ceiling mount kit and t-bar mount kit for ceiling panels. Requires IEEE 802.3af PoE or 12 volt AC/DC power adapter, both sold separately.	NRC	$ 431.64
33411	132-8.6170	ADTRAN	1200950G1	NETVANTA 4305 DC—NETVANTA 4305 DC	NRC	$ 1,539.23
33411	132-8.6171	ADTRAN	1600ATLAS01C	Adtran—I&M,ATLS PRDCTS IN DEDCTD&SWTC	NRC	$ 8,149.42
33411	132-8.6173	ADTRAN	47006337G1	NETV 6337 16FXS+8FXO—NetVanta 6330 – 16 FXS + 8 FX0 - 1 NIM2 slot, 16 FXS, 8 FXO ports via amphenol connector, 2 additional on-board FXO ports, Two10/100 BaseT and IP Router. Includes G.168 Echo Cancellation and support for G.711 and G.729a CODECs. Supports VoIP applications using SIP. Router features include OSPF, BGP, RIP V1 and V2, Static routes, 802.1d Bridging (all protocols), CLI, SNMP, Telnet, Craft/Console port, TFTP support and stateful inspection firewall.	NRC	$ 1,939.28
33411	132-8.6183	ADTRAN	4700502G1	ETHERNET PROT DEVICE—Provides protection against electromagnetic surges due to lightning or other types of interference for Ethernet Ports on NetVanta products, when connected to Outside Plant Ethernet Cabling. Includes 2 – 1700502G1 Ethernet Port Protection Devices for protecting both ends of an Outside Plant installation.	NRC	$ 251.28
33411	132-8.6226	ADTRAN	J9151E	Aruba 10G SFP+ LC LR 10km SMF XCVR	NRC	$ 2,267.24
33411	132-8.6227	ADTRAN	J9150D	Aruba 10G SFP+ LC SR 300m MMF XCVR	NRC	$ 843.45

3.1.2 Hewlett Packard Enterprise (Aruba) Purchase of Equipment Products and Pricing

MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
33411	132-8.6228	Aruba	J8177D	Aruba 1G SFP RJ45 T 100m Cat5e XCVR	NRC	$ 224.40
33411	132-8.6232	Aruba	JL479A	Aruba 8320 48 10/6 40 X472 5 2 Bdl	NRC	$ 20,308.47
33411	132-8.6236	Aruba	JH234A	HPE X242 40G QSFP+ to QSFP+ 1m DAC Cable	NRC	$ 405.47
33411	132-8.6241	Aruba	JZ404AAE	Aruba ClearPass NL AC 5K CE E-LTU	NRC	$ 54,166.25
33411	132-8.6245	Aruba	JY903AAE	Aruba MC-VA-250 (US) Cntlr 250 AP E-LTU	NRC	$ 9,668.68
33411	132-8.6246	Aruba	JY902AAE	Aruba MC-VA-50 (US) Cntlr 50 AP E-LTU	NRC	$ 5,257.99
33411	132-8.6247	Aruba	JX928A	Aruba 7008 (US) 16 AP Branch Cntlr	NRC	$ 2,474.62
33411	132-8.6252	Aruba	JX933A	Aruba PSU-150-AC 150W AC Power Supply	NRC	$ 281.66

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
33411	132-8.6253	Aruba	JW636A	Aruba 7005 (US) FIPS/TAA Branch Cntlr	NRC	$ 1,807.61
33411	132-8.6254	Aruba	JX932A	Aruba 7008 (US) FIPS/TAA Branch Cntlr	NRC	$ 3,094.44
33411	132-8.6255	Aruba	JW703A	Aruba 7010 (US) FIPS/TAA Branch Cntlr	NRC	$ 4,762.76
33411	132-8.6257	Aruba	JW798A	Aruba AP-315 TAA 2x2/4x4 11ac AP	NRC	$ 1,036.12
33411	132-8.6276	Aruba	JW658A	Aruba PSU-350-DC 350W DC Power Supply	NRC	$ 862.79
33411	132-8.6278	Aruba	JW754A	Aruba 7220 (US) FIPS/TAA Controller	NRC	$ 30,502.56
33411	132-8.6279	Aruba	JW830A	Aruba 7240XM (US) FIPS/TAA Controller	NRC	$ 47,662.43
33411	132-8.6280	Aruba	JZ148AAE	Aruba LIC-VIA Per User License E-LTU	NRC	$ 11.61
33411	132-8.6281	Aruba	JW495AAE	Aruba PEF VIA Lic for 7005 Cntrlr E-LTU	NRC	$ 309.52
33411	132-8.6282	Aruba	JY342AAE	Aruba PEF VIA Lic for 7008 Cntrlr E-LTU	NRC	$ 309.52
33411	132-8.6283	Aruba	JW496AAE	Aruba PEF VIA Lic for 7010 Cntrlr E-LTU	NRC	$ 619.04
33411	132-8.6284	Aruba	JW497AAE	Aruba PEF VIA Lic for 7024 Cntrlr E-LTU	NRC	$ 619.04
33411	132-8.6285	Aruba	JW498AAE	Aruba PEF VIA Lic for 7030 Cntrlr E-LTU	NRC	$ 2,089.27
33411	132-8.6286	Aruba	JW499AAE	Aruba PEF VIA Lic for 7205 Cntrlr E-LTU	NRC	$ 6,190.43
33411	132-8.6287	Aruba	JW500AAE	Aruba PEF VIA Lic for 7210 Cntrlr E-LTU	NRC	$ 12,380.86
33411	132-8.6288	Aruba	JW501AAE	Aruba PEF VIA Lic for 7220 Cntrlr E-LTU	NRC	$ 18,571.28
33411	132-8.6289	Aruba	JW502AAE	Aruba PEF VIA Lic for 7240 Cntrlr E-LTU	NRC	$ 24,761.71
33411	132-8.6290	Aruba	JW473AAE	Aruba Cntrlr Per AP PEF Lic E-LTU	NRC	$ 58.04
33411	132-8.6293	Aruba	J9835A	Aruba 501 Wireless Client Bridge	NRC	$ 352.08
33411	132-8.6296	Aruba	JW746A	Aruba 7210 (US) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	NRC	$ 20,492.64
33411	132-8.6297	Aruba	JW657A	Aruba PSU-350-AC 7200 Series S3500-24T S3500-48T and S3500-24F 350W AC Power Supply	NRC	$ 472.79
33411	132-8.6298	Aruba	JW711A	Aruba 7030 (US) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clnts Cntrlr	NRC	$ 8,384.94
33411	132-8.6303	Aruba	JW740A	ARUBA 7205 (US) FIPS/TAA-COMPLIANT 2-PORT 10GBASE-X (SFP+) CONTROLLER	NRC	$ 15,726.01
33411	132-8.6304	Aruba	JW472AAE	ARUBA LIC-AP CONTROLLER PER AP CAPACITY LICENSE E-LTU	NRC	$ 58.04
33411	132-8.6305	Aruba	JW474AAE	ARUBA LIC-PEF CONTROLLER POLICY ENFORCEMENT FIREWALL PER AP LICENSE E-LTU	NRC	$ 58.04
33411	132-8.6307	Aruba	JW814A	STANDALONE1JW814AARUBA INSTANT IAP-315 (US) FIPS/TAA 802.11N/AC DUAL 2X2:2/4X4:4 MU-MIMO RADIO INTEGRATED ANT AP1,195.00	NRC	$ 1,036.12
33411	132-8.6308	Aruba	JW634A	Aruba 7005 (US) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	NRC	$ 1,426.12
33411	132-8.6310	Aruba	JW683A	Aruba 7024 (US) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	NRC	$ 5,716.09
33411	132-8.6312	Aruba	JW066A	AFC2DL60-00 Soft Jumper	NRC	$ 17.80
33411	132-8.6313	Aruba	JW064A	AFC7DL03-00 3M 7D Antenna Cable	NRC	$ 43.33
33411	132-8.6314	Aruba	JW065A	AFC7DL04-00 4M 7D Antenna Cable	NRC	$ 53.39
33411	132-8.6315	Aruba	JW067A	AFCSJMTM-00 Soft Jumper	NRC	$ 19.35
33411	132-8.6318	Aruba	JW069A	ANT-CBL-2 2m Outdoor RF Cable	NRC	$ 43.33
33411	132-8.6324	Aruba	JW070A	AP-CBL-1 3m Outdr N-Type Ext Cable	NRC	$ 105.24
33411	132-8.6325	Aruba	JW072A	AP-CBL-ETH10 10pk Short Eth Cable	NRC	$ 71.96
33411	132-8.6327	Aruba	JY728A	AP-CBL-SERU Console Adapter Cable	NRC	$ 24.76
33411	132-8.6328	Aruba	JW061A	AP-LAR-1 N-Type Lightning Arstr	NRC	$ 143.15
33411	132-8.6333	Aruba	JW079A	CKIT-OD-AC-P Otdr AC Pwr Cnctr Kit	NRC	$ 53.39
33411	132-8.6334	Aruba	Q8N48A	CKIT-OD-CON-AD M20 to 1/2 in 5-pk Adptr	NRC	$ 139.28
33411	132-8.6335	Aruba	Q8N47A	CKIT-OD-COV-GL Covers and Glands	NRC	$ 71.96
33411	132-8.6336	Aruba	Q8N54A	CKIT-OD-SFP SFP Outdoor Accessory Kit	NRC	$ 129.23
33411	132-8.6338	Aruba	JW080A	PC-OD-AC-P-INT Intl Otdr AC Cable	NRC	$ 129.23
33411	132-8.6339	Aruba	JW081A	PC-OD-AC-P-NA NA Otdr AC Cable	NRC	$ 129.23
33411	132-8.6347	Aruba	JW047A	AP-220-MNT-W1W Mt Basic White Kit	NRC	$ 21.67
33411	132-8.6349	Aruba	JW056A	AP-270-MNT-ADP 228 Otdr Mt Adapter	NRC	$ 42.56
33411	132-8.6359	Aruba	Q8N52A	1000BASE-LX LC Conn SFP Ext Temp XCVR	NRC	$ 691.78
33411	132-8.6360	Aruba	Q8N53A	1000BASE-SX LC Conn SFP Ext Temp XCVR	NRC	$ 329.64
33411	132-8.6363	Aruba	JW148A	SFP-10GE-ZR 10G LC Cnctr SFP+ XCVR	NRC	$ 9,529.39
33411	132-8.6364	Aruba	JW023A	ANT-2x2-2005 Pair 2.4G 5.0dBi Omni	NRC	$ 281.66
33411	132-8.6365	Aruba	JW024A	ANT-2x2-2314 2.4G 14dBi Panel	NRC	$ 406.25
33411	132-8.6366	Aruba	JW025A	ANT-2x2-2714 2.4G 14dBi Sector	NRC	$ 377.62
33411	132-8.6367	Aruba	JW026A	ANT-2x2-5005 Pair 5G 5dBi Omni	NRC	$ 281.66
33411	132-8.6368	Aruba	JW027A	ANT-2x2-5010 Pair 5G 10dBi Omni	NRC	$ 377.62
33411	132-8.6374	Aruba	JW033A	ANT-3x3-5712 5G 12dBi Sector	NRC	$ 472.79
33411	132-8.6377	Aruba	JX988A	ANT-4x4-5314 5G 14dBi Panel	NRC	$ 663.15
33411	132-8.6378	Aruba	Q8N50A	ANT-4x4-D100 4x4 2.4/5G 5dBi Panel	NRC	$ 429.46

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
33411	132-8.6379	Aruba	Q8N51A	ANT-4x4-D608 4x4 2.4/5G 8dBi Panel	NRC	$ 429.46
33411	132-8.6380	Aruba	JW001A	AP-ANT-13B 2.4/5G 4/3dBi Omni	NRC	$ 133.87
33411	132-8.6381	Aruba	JW003A	AP-ANT-16 2.4/5G 4/5dBi 3x3 Omni	NRC	$ 329.64
33411	132-8.6382	Aruba	JW004A	AP-ANT-19 2.4/5G 3/6dBi Omni	NRC	$ 143.15
33411	132-8.6383	Aruba	JW009A	AP-ANT-1W 2.4/5G 4/6dBi Omni	NRC	$ 28.63
33411	132-8.6384	Aruba	JW011A	AP-ANT-20W 2.4/5G 2/2dBi Omni	NRC	$ 19.35
33411	132-8.6385	Aruba	Q8N49A	AP-ANT-22 2.4/5G 2/4dBi 2-pk Omni	NRC	$ 119.94
33411	132-8.6386	Aruba	JW012A	AP-ANT-25A 2.4/5G 5dBi 2x2 Panel	NRC	$ 348.99
33411	132-8.6387	Aruba	JW013A	AP-ANT-28 2.4/5G 8dBi 2x2 Panel	NRC	$ 348.99
33411	132-8.6388	Aruba	JW014A	AP-ANT-32 2.4/5G 2/4dBi Omni	NRC	$ 167.92
33411	132-8.6391	Aruba	JW017A	AP-ANT-40 2.4/5G 4/4dBi 4x4 Omni	NRC	$ 429.46
33411	132-8.6392	Aruba	JW018A	AP-ANT-45 2.4/5G 5dBi 4x4 Panel	NRC	$ 429.46
33411	132-8.6393	Aruba	JW019A	AP-ANT-48 2.4/5G 8dBi 4x4 Panel	NRC	$ 429.46
33411	132-8.6406	Aruba	JW187A	Aruba AP-325 FIPS/TAA 4x4:4 802.11ac AP	NRC	$ 1,426.12
33411	132-8.6411	Aruba	JX969A	Aruba AP-365 (US) FIPS/TAA Otdr AP	NRC	$ 1,521.30
33411	132-8.6412	Aruba	JX976A	Aruba AP-367 (US) FIPS/TAA Otdr AP	NRC	$ 1,521.30
33411	132-8.6421	Aruba	JZ168A	Aruba AP-374 (US) FIPS/TAA Otdr 11ac AP	NRC	$ 1,902.78
33411	132-8.6422	Aruba	JZ178A	Aruba AP-375 (US) FIPS/TAA Otdr 11ac AP	NRC	$ 2,379.45
33411	132-8.6423	Aruba	JZ188A	Aruba AP-377 (US) FIPS/TAA Otdr 11ac AP	NRC	$ 2,379.45
33411	132-8.6424	Aruba	JY715A	Aruba AP-203R (US) TAA Unified RAP	NRC	$ 377.62
33411	132-8.6425	Aruba	JY723A	Aruba AP-203RP (US) TAA PoE Unified RAP	NRC	$ 424.82
33411	132-8.6433	Aruba	JY986A	MMPSU-400-AC 400W AC Spare PSU	NRC	$ 854.28
33411	132-8.6436	Aruba	JY898AAE	Aruba MM-VA-10K Mob Master 10K Dev E-LTU	NRC	$ 37,912.50
33411	132-8.6437	Aruba	JY896AAE	Aruba MM-VA-1K Mob Master 1K Dev E-LTU	NRC	$ 13,537.69
33411	132-8.6438	Aruba	JZ106AAE	Aruba MM-VA-50 Mob Mstr 50 Dev E-LTU	NRC	$ 1,543.74
33411	132-8.6439	Aruba	JY895AAE	Aruba MM-VA-500 Mob Mstr 500 Dev E-LTU	NRC	$ 8,121.07
33411	132-8.6440	Aruba	JY897AAE	Aruba MM-VA-5K Mob Master 5K Dev E-LTU	NRC	$ 22,436.43
33411	132-8.6441	Aruba	JZ379AAE	Aruba MM-VA-10K Mob Mstr FIPS/TAA E-LTU	NRC	$ 47,391.60
33411	132-8.6442	Aruba	JZ377AAE	Aruba MM-VA-1K Mob Mstr FIPS/TAA E-LTU	NRC	$ 16,942.43
33411	132-8.6443	Aruba	JZ395AAE	Aruba MM-VA-50 Mob Mstr FIPS/TAA E-LTU	NRC	$ 1,930.64
33411	132-8.6444	Aruba	JZ376AAE	Aruba MM-VA-500 Mob Mstr FIPS/TAA E-LTU	NRC	$ 10,132.96
33411	132-8.6445	Aruba	JZ378AAE	Aruba MM-VA-5K Mob Mstr FIPS/TAA E-LTU	NRC	$ 28,046.51
33411	132-8.6446	Aruba	JY904AAE	Aruba MC-VA-1K (US) Cntlr 1K AP E-LTU	NRC	$ 19,341.22
33411	132-8.6458	Aruba	JW567AAE	Aruba AirWave Master Console Lic E-LTU	NRC	$ 11,603.18
33411	132-8.6460	Aruba	JZ508A	Aruba ClearPass C1000 S-1200 R4 HW Appl	NRC	$ 5,416.62
33411	132-8.6462	Aruba	JZ400AAE	Aruba ClearPass NL AC 100 CE E-LTU	NRC	$ 2,708.31
33411	132-8.6463	Aruba	JZ405AAE	Aruba ClearPass NL AC 10K CE E-LTU	NRC	$ 85,118.39
33411	132-8.6464	Aruba	JZ402AAE	Aruba ClearPass NL AC 1K CE E-LTU	NRC	$ 16,249.87
33411	132-8.6465	Aruba	JZ403AAE	Aruba ClearPass NL AC 2500 CE E-LTU	NRC	$ 34,821.16
33411	132-8.6466	Aruba	JZ401AAE	Aruba ClearPass NL AC 500 CE E-LTU	NRC	$ 10,059.45
33411	132-8.6467	Aruba	JZ472AAE	Aruba ClearPass NL OG 100 EP E-LTU	NRC	$ 1,741.06
33411	132-8.6468	Aruba	JZ477AAE	Aruba ClearPass NL OG 10K EP E-LTU	NRC	$ 104,463.48
33411	132-8.6469	Aruba	JZ474AAE	Aruba ClearPass NL OG 1K EP E-LTU	NRC	$ 13,928.46
33411	132-8.6470	Aruba	JZ475AAE	Aruba ClearPass NL OG 2500 EP E-LTU	NRC	$ 34,821.16
33411	132-8.6471	Aruba	JZ473AAE	Aruba ClearPass NL OG 500 EP E-LTU	NRC	$ 8,705.29
33411	132-8.6472	Aruba	JZ476AAE	Aruba ClearPass NL OG 5K EP E-LTU	NRC	$ 52,231.74
33411	132-8.6473	Aruba	JZ399AAE	Aruba ClearPass Cx000V VM Appl E-LTU	NRC	$ 3,095.21
33411	132-8.6484	Aruba	JL308A	Aruba 40G QSFP+ LC BiDi 150m MMF XCVR	NRC	$ 1,031.48
33411	132-8.6488	Aruba	JL448A	Aruba X2C2 RJ45 to DB9 Console Cable	NRC	$ 25.54
33411	132-8.6489	Aruba	J9054D	Aruba 100M SFP LC FX 2km MMF XCVR	NRC	$ 243.75
33411	132-8.6490	Aruba	J9153D	Aruba 10G SFP+ LC ER 40km SMF XCVR	NRC	$ 8,449.16
33411	132-8.6492	Aruba	J4860D	Aruba 1G SFP LC LH 70km SMF XCVR	NRC	$ 3,752.95
33411	132-8.6518	Aruba	J9579A	Aruba 3800/3810M 3m Stacking Cable	NRC	$ 355.95
33411	132-8.6530	Aruba	JL480A	Aruba X371 400W AC Power Supply	NRC	$ 2,000.28
33411	132-8.6532	Aruba	JL372A	Aruba X382 54VDC 2750W AC PS	NRC	$ 2,835.99
33411	132-8.6534	Aruba	JY028AAE	Aruba Cntrlr Web Cont Class 1y Sub E-STU	NRC	$ 27.08
33411	132-8.6535	Aruba	JY029AAE	Aruba Cntrlr Web Cont Class 3y Sub E-STU	NRC	$ 54.17
33411	132-8.6536	Aruba	JW679A	Aruba 7010 (US) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller	NRC	$ 3,809.43
811212	132-12.2452	Aruba	H9XQ6E	Aruba 1Y FC 24x7 ClearPass NL AC 5KCESVC	NRC	$ 5,279.32
811212	132-12.2453	Aruba	H9UJ8E	Aruba 1Y FC NBD Exch CP C2k DL20 ApplSVC	NRC	$ 2,376.54
811212	132-12.2455	Aruba	H5AJ1E	Aruba 1Y FC NBD Exch AW DL360 ENT SVC	NRC	$ 9,896.61
811212	132-12.2459	Aruba	U8EL3E	HPE 1Y FC 24x7 527 802.11ac SVC	NRC	$ 36.78
811212	132-12.2463	Aruba	U4TR7E	HPE 1Y FC 24x7 850 WLAN Controller SVC	NRC	$ 2,976.34
811212	132-12.2464	Aruba	U1RP4E	HPE 1Y FC 24x7 870 WLAN Controller SVC	NRC	$ 6,068.68
811212	132-12.2467	Aruba	U3TL4E	HPE 1Y FC 24x7 MSM46x AP SVC	NRC	$ 102.79
811212	132-12.2468	Aruba	U3TM0E	HPE 1Y FC 24x7 MSM720 Access Contr SVC	NRC	$ 485.68

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
811212	132-12.2477	Aruba	U8EL1E	HPE 1Y FC 4H Exch 527 802.11ac SVC	NRC	$ 29.24
811212	132-12.2481	Aruba	U4TR4E	HPE 1Y FC 4H Exch 850 WLAN Cntrlr SVC	NRC	$ 2,373.71
811212	132-12.2482	Aruba	U1RQ0E	HPE 1Y FC 4H Exch 870 WL Controller SVC	NRC	$ 4,807.79
811212	132-12.2485	Aruba	U3UF8E	HPE 1Y FC 4H Exch MSM46x AP SVC	NRC	$ 77.33
811212	132-12.2486	Aruba	U3UG4E	HPE 1Y FC 4H Exch MSM720 A Contr SVC	NRC	$ 362.14
811212	132-12.2495	Aruba	U8EL4E	HPE 1Y FC CTR 527 802.11ac SVC	NRC	$ 60.36
811212	132-12.2499	Aruba	U4TR9E	HPE 1Y FC CTR 850 WLAN Controller SVC	NRC	$ 4,775.72
811212	132-12.2500	Aruba	U1RQ5E	HPE 1Y FC CTR 870 WLAN Controller SVC	NRC	$ 9,828.71
811212	132-12.2503	Aruba	U3TT2E	HPE 1Y FC CTR MSM46x AP SVC	NRC	$ 152.78
811212	132-12.2504	Aruba	U3TT8E	HPE 1Y FC CTR MSM720 Access Contr SVC	NRC	$ 725.22
811212	132-12.2513	Aruba	U8EL2E	HPE 1Y FC NBD 527 802.11ac SVC	NRC	$ 23.58
811212	132-12.2517	Aruba	U4TR5E	HPE 1Y FC NBD 850 WLAN Controller SVC	NRC	$ 1,904.06
811212	132-12.2518	Aruba	U1RS4E	HPE 1Y FC NBD 870 WLAN Controller SVC	NRC	$ 3,826.99

3.1.3 Uplogix Purchase of Equipment Products and Pricing

MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
33411	132-8.5682	Uplogix	61-9711-00	Uplogix Control Center Software Upgrade	NRC	$ 7,556.68
33411	132-8.5683	Uplogix	61-9710-40	Uplogix Control Center Software Upgrade	NRC	$ 5,289.67
33411	132-8.5684	Uplogix	61-9710-50	Uplogix Control Center Software Upgrade	NRC	$ 5,289.67
33411	132-8.5685	Uplogix	61-9710-90	Uplogix Control Center Software Upgrade	NRC	$ 10,579.35
33411	132-8.5687	Uplogix	61-9600-05	LMS-one virtual Local Mgr/5 mgd devices	NRC	$ 1,322.42
33411	132-8.5688	Uplogix	61-9600-01	LMS – one additional managed device	NRC	$ 264.48
33411	132-8.6160	Uplogix	61-9699-01	SLV License for Uplogix 500/5000	NRC	$ 30.23
33411	132-8.6161	Uplogix	61-9600-10	Uplogix Control Center Software	NRC	$ 1,889.17
33411	132-8.6162	Uplogix	61-9600-50	Uplogix Control Center Software	NRC	$ 6,801.01
33411	132-8.6163	Uplogix	61-9601-00	Uplogix Control Center Software	NRC	$ 11,335.01
33411	132-8.6164	Uplogix	61-9611-00	Uplogix Control Center Software Upgrade	NRC	$ 7,556.68
33411	132-8.6165	Uplogix	61-9610-40	Uplogix Control Center Software Upgrade	NRC	$ 5,289.67
33411	132-8.6166	Uplogix	61-9610-50	Uplogix Control Center Software Upgrade	NRC	$ 5,289.67
33411	132-8.6167	Uplogix	61-9610-90	Uplogix Control Center Software Upgrade	NRC	$ 10,579.35
33411	132-8.6226	Uplogix	80-8S-NNN-NAA	LM80 8 Serial ports	NRC	$ 2,720.40
33411	132-8.6227	Uplogix	80-4S-NNN-YAA	LM80 FIPS 4 Serial ports	NRC	$ 1,904.28
33411	132-8.6229	Uplogix	83X-8S-000-NAA	LM83X 8 Serial Ports	NRC	$ 2,871.54
33411	132-8.6230	Uplogix	83X-16S-100-NAA	LM83X 16 Serial ports	NRC	$ 5,138.54
33411	132-8.6231	Uplogix	83X-24S-110-NAA	LM83X 24 Ports	NRC	$ 6,347.61
33411	132-8.6232	Uplogix	83X-32S-111-NAA	LM83X 32 Serial Ports	NRC	$ 7,254.41
33411	132-8.6233	Uplogix	83X-40S-112-NAA	LM83X 40 Serial Ports	NRC	$ 7,707.81
33411	132-8.6234	Uplogix	83X-48S-122-NAA	LM83X 48 Serial Ports	NRC	$ 8,161.21
33411	132-8.6235	Uplogix	83X-56S-222-NAA	LM83X 56 Serial Ports	NRC	$ 8,463.48
33411	132-8.6236	Uplogix	83X-8S-000-YAA	LM83X FIPS 8 Serial Ports	NRC	$ 3,445.84
33411	132-8.6237	Uplogix	83X-16S-100-YAA	LM83X FIPS 16 Serial ports	NRC	$ 6,166.25
33411	132-8.6238	Uplogix	83X-24S-110-YAA	LM83X FIPS 24 Ports	NRC	$ 7,934.51
33411	132-8.6239	Uplogix	83X-32S-111-YAA	LM83X FIPS 32 Serial ports	NRC	$ 8,705.29
33411	132-8.6240	Uplogix	83X-48S-122-YAA	LM83X FIPS 48 Serial ports	NRC	$ 9,793.45
33411	132-8.6242	Uplogix	83X-16S-E1E-NAA	LM83X 16 Serial Ports + 16 Ethernet Ports	NRC	$ 6,317.38
33411	132-8.6243	Uplogix	83X-24S-E11-NAA	LM83X 24 Ports + 8 Ethernet Ports	NRC	$ 6,937.03
33411	132-8.6244	Uplogix	83X-24S-E2E-NAA	LM83X 24 Serial Ports + 16 Ethernet Ports	NRC	$ 7,526.45
33411	132-8.6245	Uplogix	83X-32S-E12-NAA	LM83X 32 Serial Ports + 8 Ethernet Ports	NRC	$ 7,843.83
33411	132-8.6246	Uplogix	83X-16S-E1E-YAA	LM83X FIPS 16 Serial Ports + 16 Ethernet Ports	NRC	$ 7,345.09
33411	132-8.6247	Uplogix	83X-24S-E11-YAA	LM83X FIPS 24 Serial Ports + 8 Ethernet Ports	NRC	$ 8,206.55
33411	132-8.6248	Uplogix	83X-24S-E2E-YAA	LM83X FIPS 24 Serial Ports + 16 Ethernet Ports	NRC	$ 8,795.97
33411	132-8.6249	Uplogix	83X-32S-E12-YAA	LM83X FIPS 32 Serial Ports + 8 Ethernet Ports	NRC	$ 9,294.71
33411	132-8.6250	Uplogix	83X-8S-004-NAA	LM83X Local Manager, 8 Serial Ports + LCD Module	NRC	$ 2,984.89
33411	132-8.6251	Uplogix	83X-16S-104-NAA	LM83X 16 Serial Ports + LCD Module	NRC	$ 5,251.89
33411	132-8.6252	Uplogix	83X-24S-114-NAA	LM83X 24 Serial Ports + LCD Module	NRC	$ 6,460.96
33411	132-8.6253	Uplogix	83X-32S-124-NAA	LM83X 32 Serial Ports + LCD Module	NRC	$ 7,367.76
33411	132-8.6254	Uplogix	83X-8S-004-YAA	LM83X, FIPS, 8 Serial Ports + LCD Module	NRC	$ 3,581.86
33411	132-8.6255	Uplogix	83X-16S-104-YAA	LM83X FIPS, 16 Serial Ports + LCD Module	NRC	$ 6,302.27
33411	132-8.6258	Uplogix	83X-8S-E04-NAA	LM83X 8 Serial ports + 8 Ethernet ports + LCD Module	NRC	$ 3,574.31
33411	132-8.6259	Uplogix	83X-16S-E14-NAA	LM83X 16 Serial Ports + 8 Ethernet Ports + LCD Module	NRC	$ 5,841.31
33411	132-8.6261	Uplogix	83X-8S-E04-YAA	LM83X FIPS, 8 Serial Ports, 8 Dedicated Ethernet Ports + LCD Module	NRC	$ 4,171.28
33411	132-8.6264	Uplogix	83X-8SA	Uplogix LM83X 8 Port Serial Card w/LMS	NRC	$ 3,128.46
33411	132-8.6265	Uplogix	83X-16SA	Uplogix LM83X 16 Port Serial Card w/2 cables and LMS	NRC	$ 5,984.89

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
33411	132-8.6266	Uplogix	83X-8EA	LM83X 8 Port Ethernet Card	NRC	$ 589.42
33411	132-8.6267	Uplogix	83X-LCDA	LM83X LCD Module	NRC	$ 188.92
33411	132-8.6280	Uplogix	84-1000-01	Services, Deployment and/or Training	NRC	$ 1,511.34
33411	132-8.6286	Uplogix	USB-LCDA	Dongle, USB LCD Module Uplogix 500/5000/LM80/LM83X	NRC	$ 188.92
33411	132-8.6287	Uplogix	UP001964	Antenna	NRC	$ 22.46
33411	132-8.6288	Uplogix	61-2011-06	Uplogix Control Center	NRC	$ 12,846.35

3.1.4 Ciena Purchase of Equipment Products and Pricing

MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
33411	132-8.6289	Ciena	160-9102-900	Ciena 160-9102-900	NRC	$ 554.98
33411	132-8.6291	Ciena	160-9104-900	Ciena 160-9104-900	NRC	$ 1,831.42
33411	132-8.6292	Ciena	160-9105-900	Ciena 160-9105-900	NRC	$ 4,273.32
33411	132-8.6293	Ciena	160-9108-900	Ciena 160-9108-900	NRC	$ 780.50
33411	132-8.6294	Ciena	160-9109-900	Ciena 160-9109-900	NRC	$ 780.50
33411	132-8.6295	Ciena	160-9116-900	Ciena 160-9116-900	NRC	$ 91.57
33411	132-8.6296	Ciena	160-9201-900	Ciena 160-9201-900	NRC	$ 3,192.47
33411	132-8.6297	Ciena	160-9203-900	Ciena 160-9203-900	NRC	$ 532.78
33411	132-8.6298	Ciena	160-9204-900	Ciena 160-9204-900	NRC	$ 1,373.57
33411	132-8.6299	Ciena	160-9205-900	Ciena 160-9205-900	NRC	$ 4,406.86
33411	132-8.6300	Ciena	160-9400-900	Ciena 160-9400-900	NRC	$ 1,184.21
33411	132-8.6301	Ciena	160-9401-900	Ciena 160-9401-900	NRC	$ 2,816.20
33411	132-8.6302	Ciena	160-9402-900	Ciena 160-9402-900	NRC	$ 3,701.72
33411	132-8.6303	Ciena	160-9403-900	Ciena 160-9403-900	NRC	$ 1,665.78
33411	132-8.6304	Ciena	160-9404-900	Ciena 160-9404-900	NRC	$ 14,806.89
33411	132-8.6305	Ciena	160-9405-900	Ciena 160-9405-900	NRC	$ 12,956.03
33411	132-8.6306	Ciena	160-9406-900	Ciena 160-9406-900	NRC	$ 1,662.07
33411	132-8.6307	Ciena	160-9460-003	Ciena 160-9460-003	NRC	$ 504.92
33411	132-8.6308	Ciena	160-9460-005	Ciena 160-9460-005	NRC	$ 504.92
33411	132-8.6309	Ciena	160-9501-900	Ciena 160-9501-900	NRC	$ 2,591.21
33411	132-8.6310	Ciena	160-9502-900	Ciena 160-9502-900	NRC	$ 3,479.62
33411	132-8.6311	Ciena	160-9503-900	Ciena 160-9503-900	NRC	$ 925.43
33411	132-8.6312	Ciena	160-9504-900	Ciena 160-9504-900	NRC	$ 1,702.79
33411	132-8.6313	Ciena	160-9506-900	Ciena 160-9506-900	NRC	$ 1,850.86
33411	132-8.6314	Ciena	160-9700-900	Ciena 160-9700-900	NRC	$ 421.78
33411	132-8.6315	Ciena	160-9701-900	Ciena 160-9701-900	NRC	$ 893.51
33411	132-8.6316	Ciena	170-0013-900	Ciena 170-0013-900	NRC	$ 373.99
33411	132-8.6317	Ciena	170-0014-900	Ciena 170-0014-900	NRC	$ 280.49
33411	132-8.6318	Ciena	170-0107-900	Ciena 170-0107-900	NRC	$ 498.65
33411	132-8.6319	Ciena	170-0121-901	Ciena 170-0121-901	NRC	$ 1,246.63
33411	132-8.6320	Ciena	170-0122-901	Ciena 170-0122-901	NRC	$ 1,869.95
33411	132-8.6321	Ciena	170-0122-903	Ciena 170-0122-903	NRC	$ 2,306.27
33411	132-8.6322	Ciena	170-0128-901	Ciena 170-0128-901	NRC	$ 3,428.25
33411	132-8.6323	Ciena	170-0128-903	Ciena 170-0128-903	NRC	$ 4,487.89
33411	132-8.6324	Ciena	170-0131-900	Ciena 170-0131-900	NRC	$ 931.86
33411	132-8.6325	Ciena	170-0176-900	Ciena 170-0176-900	NRC	$ 6,232.55
33411	132-8.6326	Ciena	170-0354-900	Ciena 170-0354-900	NRC	$ 49.87
33411	132-8.6327	Ciena	170-3926-903	Ciena 170-3926-903	NRC	$ 994.19
33411	132-8.6328	Ciena	170-3926-904	Ciena 170-3926-904	NRC	$ 994.19
33411	132-8.6329	Ciena	170-3926-905	Ciena 170-3926-905	NRC	$ 1,308.34
33411	132-8.6330	Ciena	174-0094-900	Ciena 174-0094-900	NRC	$ 529.73
33411	132-8.6332	Ciena	180-2120-900	Ciena 180-2120-900	NRC	$ 23,655.89
33411	132-8.6333	Ciena	180-2130-900	Ciena 180-2130-900	NRC	$ 23,655.89
33411	132-8.6334	Ciena	180-2320-900	Ciena 180-2320-900	NRC	$ 16,788.05
33411	132-8.6335	Ciena	180-2350-900	Ciena 180-2350-900	NRC	$ 18,314.24
33411	132-8.6336	Ciena	180-2360-900	Ciena 180-2360-900	NRC	$ 21,366.61
33411	132-8.6337	Ciena	180-3520-900	Ciena 180-3520-900	NRC	$ 13,735.68
33411	132-8.6338	Ciena	180-3530-900	Ciena 180-3530-900	NRC	$ 12,209.49
33411	132-8.6338	Ciena	180-3590-900	Ciena 180-3590-900	NRC	$ 17,253.54
33411	132-8.6340	Ciena	186-1300-900	Ciena 186-1300-900	NRC	$ 129.74
33411	132-8.6341	Ciena	186-1901-900	Ciena 186-1901-900	NRC	$ 12,460.74
33411	132-8.6342	Ciena	CSMN-SI2601	Ciena CSMN-SI2601	NRC	$ 6,747.41
33411	132-8.6343	Ciena	CSMN-SI2602	Ciena CSMN-SI2602	NRC	$ 8,946.48
33411	132-8.6344	Ciena	CSMN-SI2603	Ciena CSMN-SI2603	NRC	$ 7,053.46
33411	132-8.6345	Ciena	CSMN-SI2604	Ciena CSMN-SI2604	NRC	$ 9,252.53
33411	132-8.6346	Ciena	K70-3926-902	Ciena K70-3926-902	NRC	$ 6,101.65

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
33411	132-8.6347	Ciena	K70-3926-903	Ciena K70-3926-903	NRC	$ 8,647.28
33411	132-8.6348	Ciena	K70-3926-906	Ciena K70-3926-906	NRC	$ 5,829.89
33411	132-8.6349	Ciena	K70-3926-908	Ciena K70-3926-908	NRC	$ 6,266.21
33411	132-8.6350	Ciena	K70-3926-909	Ciena K70-3926-909	NRC	$ 8,562.51
33411	132-8.6351	Ciena	K70-3926-914	Ciena K70-3926-914	NRC	$ 7,415.95
33411	132-8.6352	Ciena	K70-3926-915	Ciena K70-3926-915	NRC	$ 7,682.28
33411	132-8.6353	Ciena	K70-3926-916	Ciena K70-3926-916	NRC	$ 10,193.00
33411	132-8.6355	Ciena	K74-537BA-0100	Ciena K74-537BA-0100	NRC	$ 26,361.05
33411	132-8.6356	Ciena	K74-537BA-0200	Ciena K74-537BA-0200	NRC	$ 43,572.62
33411	132-8.6357	Ciena	K74-537CA-0100	Ciena K74-537CA-0100	NRC	$ 27,505.69
33411	132-8.6358	Ciena	K74-537CA-0200	Ciena K74-537CA-0200	NRC	$ 44,717.26
33411	132-8.6359	Ciena	K74-538DR-TG1-010010	Ciena K74-538DR-TG1-010010	NRC	$ 48,852.46
33411	132-8.6360	Ciena	K74-538DS-TG-04001000	Ciena K74-538DS-TG-04001000	NRC	$ 141,111.19
33411	132-8.6361	Ciena	K74-C342-900	Ciena K74-C342-900	NRC	$ 847.57
33411	132-8.6362	Ciena	K74-C343-900	Ciena K74-C343-900	NRC	$ 847.57
33411	132-8.6363	Ciena	K86-3000-902	Ciena K86-3000-902	NRC	$ 6,509.15
33411	132-8.6365	Ciena	NTK503KA	Ciena NTK503KA	NRC	$ 2,383.80
33411	132-8.6366	Ciena	NTK503LA	Ciena NTK503LA	NRC	$ 1,324.33
33411	132-8.6367	Ciena	NTK503PAE5	Ciena NTK503PAE5	NRC	$ 2,383.80
33411	132-8.6368	Ciena	NTK503RA	Ciena NTK503RA	NRC	$ 3,178.40
33411	132-8.6369	Ciena	NTK503SA	Ciena NTK503SA	NRC	$ 3,443.26
33411	132-8.6370	Ciena	NTK504CA	Ciena NTK504CA	NRC	$ 17,501.05
33411	132-8.6371	Ciena	NTK504CB	Ciena NTK504CB	NRC	$ 27,088.56
33411	132-8.6372	Ciena	NTK504CC	Ciena NTK504CC	NRC	$ 32,502.43
33411	132-8.6373	Ciena	NTK504CD	Ciena NTK504CD	NRC	$ 4,815.94
33411	132-8.6374	Ciena	NTK504CE	Ciena NTK504CE	NRC	$ 5,417.84
33411	132-8.6375	Ciena	NTK504CF	Ciena NTK504CF	NRC	$ 6,019.75
33411	132-8.6376	Ciena	NTK504CX	Ciena NTK504CX	NRC	$ 1,589.20
33411	132-8.6377	Ciena	NTK504NA	Ciena NTK504NA	NRC	$ 655.54
33411	132-8.6378	Ciena	NTK504QA	Ciena NTK504QA	NRC	$ 966.76
33411	132-8.6379	Ciena	NTK504QB	Ciena NTK504QB	NRC	$ 1,205.14
33411	132-8.6380	Ciena	NTK504QC	Ciena NTK504QC	NRC	$ 1,119.06
33411	132-8.6381	Ciena	NTK505CAE5	Ciena NTK505CAE5	NRC	$ 284.73
33411	132-8.6382	Ciena	NTK505CC	Ciena NTK505CC	NRC	$ 357.57
33411	132-8.6383	Ciena	NTK505CEE5	Ciena NTK505CEE5	NRC	$ 225.14
33411	132-8.6384	Ciena	NTK505DAE5	Ciena NTK505DAE5	NRC	$ 278.11
33411	132-8.6385	Ciena	NTK505DEE5	Ciena NTK505DEE5	NRC	$ 221.83
33411	132-8.6386	Ciena	NTK505DS	Ciena NTK505DS	NRC	$ 387.37
33411	132-8.6387	Ciena	NTK505EAE5	Ciena NTK505EAE5	NRC	$ 387.37
33411	132-8.6389	Ciena	NTK505FBE5	Ciena NTK505FBE5	NRC	$ 139.05
33411	132-8.6390	Ciena	NTK505JA	Ciena NTK505JA	NRC	$ 403.92
33411	132-8.6391	Ciena	NTK505JB	Ciena NTK505JB	NRC	$ 403.92
33411	132-8.6392	Ciena	NTK505JZ	Ciena NTK505JZ	NRC	$ 393.99
33411	132-8.6393	Ciena	NTK505LAE5	Ciena NTK505LAE5	NRC	$ 389.35
33411	132-8.6394	Ciena	NTK505MAE5	Ciena NTK505MAE5	NRC	$ 430.41
33411	132-8.6395	Ciena	NTK505MBE5	Ciena NTK505MBE5	NRC	$ 387.37
33411	132-8.6396	Ciena	NTK505PAE5	Ciena NTK505PAE5	NRC	$ 274.80
33411	132-8.6397	Ciena	NTK505QA	Ciena NTK505QA	NRC	$ 281.42
33411	132-8.6398	Ciena	NTK505QE	Ciena NTK505QE	NRC	$ 324.46
33411	132-8.6399	Ciena	NTK505RA	Ciena NTK505RA	NRC	$ 430.41
33411	132-8.6400	Ciena	NTK505RN	Ciena NTK505RN	NRC	$ 569.46
33411	132-8.6401	Ciena	NTK505SB	Ciena NTK505SB	NRC	$ 589.33
33411	132-8.6402	Ciena	NTK505TA	Ciena NTK505TA	NRC	$ 192.03
33411	132-8.6403	Ciena	NTK505TR	Ciena NTK505TR	NRC	$ 559.53
33411	132-8.6404	Ciena	NTK505UD	Ciena NTK505UD	NRC	$ 271.49
33411	132-8.6405	Ciena	NTK505UN	Ciena NTK505UN	NRC	$ 490.00
33411	132-8.6406	Ciena	NTK505YAE5	Ciena NTK505YAE5	NRC	$ 49.66
33411	132-8.6407	Ciena	NTK507LDE5	Ciena NTK507LDE5	NRC	$ 248.31
33411	132-8.6408	Ciena	NTK507MDE5	Ciena NTK507MDE5	NRC	$ 248.31
33411	132-8.6409	Ciena	NTK507MS	Ciena NTK507MS	NRC	$ 248.31
33411	132-8.6410	Ciena	NTK507PB	Ciena NTK507PB	NRC	$ 476.76
33411	132-8.6411	Ciena	NTK507QA	Ciena NTK507QA	NRC	$ 764.80
33411	132-8.6412	Ciena	NTK508FAE5	Ciena NTK508FAE5	NRC	$ 6,065.44
33411	132-8.6413	Ciena	NTK508HA	Ciena NTK508HA	NRC	$ 26,711.79
33411	132-8.6414	Ciena	NTK509CD	Ciena NTK509CD	NRC	$ 539.67
33411	132-8.6415	Ciena	NTK509CE	Ciena NTK509CE	NRC	$ 1,032.98
33411	132-8.6416	Ciena	NTK509CPE6	Ciena NTK509CPE6	NRC	$ 274.80

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
33411	132-8.6417	Ciena	NTK509CR	Ciena NTK509CR	NRC	$ 281.42
33411	132-8.6418	Ciena	NTK509CS	Ciena NTK509CS	NRC	$ 337.70
33411	132-8.6419	Ciena	NTK509CT	Ciena NTK509CT	NRC	$ 367.50
33411	132-8.6420	Ciena	NTK509JS	Ciena NTK509JS	NRC	$ 184.08
33411	132-8.6421	Ciena	NTK509JT	Ciena NTK509JT	NRC	$ 139.05
33411	132-8.6422	Ciena	NTK509JU	Ciena NTK509JU	NRC	$ 205.27
33411	132-8.6423	Ciena	NTK509JV	Ciena NTK509JV	NRC	$ 258.24
33411	132-8.6424	Ciena	NTK509MCE6	Ciena NTK509MCE6	NRC	$ 46.35
33411	132-8.6425	Ciena	NTK509MDE6	Ciena NTK509MDE6	NRC	$ 311.22
33411	132-8.6426	Ciena	NTK509MEE6	Ciena NTK509MEE6	NRC	$ 59.59
33411	132-8.6427	Ciena	NTK509MFE6	Ciena NTK509MFE6	NRC	$ 129.12
33411	132-8.6428	Ciena	NTK509MGE6	Ciena NTK509MGE6	NRC	$ 72.84
33411	132-8.6429	Ciena	NTK509MHE6	Ciena NTK509MHE6	NRC	$ 115.88
33411	132-8.6430	Ciena	NTK509MJE6	Ciena NTK509MJE6	NRC	$ 66.22
33411	132-8.6431	Ciena	NTK509MKE6	Ciena NTK509MKE6	NRC	$ 324.46
33411	132-8.6432	Ciena	NTK509MR	Ciena NTK509MR	NRC	$ 43.04
33411	132-8.6433	Ciena	NTK509MS	Ciena NTK509MS	NRC	$ 52.97
33411	132-8.6434	Ciena	NTK509MT	Ciena NTK509MT	NRC	$ 46.35
33411	132-8.6435	Ciena	NTK509MU	Ciena NTK509MU	NRC	$ 148.99
33411	132-8.6436	Ciena	NTK509NZE6	Ciena NTK509NZE6	NRC	$ 145.68
33411	132-8.6437	Ciena	NTK509PAE6	Ciena NTK509PAE6	NRC	$ 89.39
33411	132-8.6438	Ciena	NTK509PBE6	Ciena NTK509PBE6	NRC	$ 105.95
33411	132-8.6439	Ciena	NTK509PCE6	Ciena NTK509PCE6	NRC	$ 76.15
33411	132-8.6440	Ciena	NTK509PE	Ciena NTK509PE	NRC	$ 52.97
33411	132-8.6441	Ciena	NTK509PF	Ciena NTK509PF	NRC	$ 52.97
33411	132-8.6442	Ciena	NTK509PG	Ciena NTK509PG	NRC	$ 72.84
33411	132-8.6443	Ciena	NTK509PR	Ciena NTK509PR	NRC	$ 231.13
33411	132-8.6444	Ciena	NTK509PS	Ciena NTK509PS	NRC	$ 390.68
33411	132-8.6445	Ciena	NTK530QA	Ciena NTK530QA	NRC	$ 4,857.09
33411	132-8.6446	Ciena	NTK530QE	Ciena NTK530QE	NRC	$ 6,243.63
33411	132-8.6447	Ciena	NTK530QM	Ciena NTK530QM	NRC	$ 5,826.22
33411	132-8.6448	Ciena	NTK530QP	Ciena NTK530QP	NRC	$ 6,657.99
33411	132-8.6449	Ciena	NTK532DA	Ciena NTK532DA	NRC	$ 6,799.16
33411	132-8.6450	Ciena	NTK532DE	Ciena NTK532DE	NRC	$ 7,768.29
33411	132-8.6451	Ciena	NTK532GA	Ciena NTK532GA	NRC	$ 30,142.18
33411	132-8.6452	Ciena	NTK532GN	Ciena NTK532GN	NRC	$ 25,639.93
33411	132-8.6453	Ciena	NTK538BJ	Ciena NTK538BJ	NRC	$ 39,505.33
33411	132-8.6454	Ciena	NTK538BK	Ciena NTK538BK	NRC	$ 35,972.21
33411	132-8.6455	Ciena	NTK538BL	Ciena NTK538BL	NRC	$ 32,431.46
33411	132-8.6456	Ciena	NTK538BM	Ciena NTK538BM	NRC	$ 28,890.71
33411	132-8.6457	Ciena	NTK538BR	Ciena NTK538BR	NRC	$ 33,225.08
33411	132-8.6458	Ciena	NTK538DR	Ciena NTK538DR	NRC	$ 50,547.29
33411	132-8.6459	Ciena	NTK538DS	Ciena NTK538DS	NRC	$ 53,202.86
33411	132-8.6460	Ciena	NTK538EJ	Ciena NTK538EJ	NRC	$ 40,688.13
33411	132-8.6461	Ciena	NTK538EK	Ciena NTK538EK	NRC	$ 37,147.38
33411	132-8.6462	Ciena	NTK538EL	Ciena NTK538EL	NRC	$ 33,614.26
33411	132-8.6463	Ciena	NTK538EM	Ciena NTK538EM	NRC	$ 30,073.50
33411	132-8.6464	Ciena	NTK538FR	Ciena NTK538FR	NRC	$ 58,132.44
33411	132-8.6465	Ciena	NTK538FS	Ciena NTK538FS	NRC	$ 60,788.00
33411	132-8.6466	Ciena	NTK540BC	Ciena NTK540BC	NRC	$ 60,665.91
33411	132-8.6467	Ciena	NTK540BD	Ciena NTK540BD	NRC	$ 66,770.65
33411	132-8.6468	Ciena	NTK540CD	Ciena NTK540CD	NRC	$ 66,770.65
33411	132-8.6471	Ciena	NTK552AAE5	Ciena NTK552AAE5	NRC	$ 3,612.12
33411	132-8.6472	Ciena	NTK552AB	Ciena NTK552AB	NRC	$ 3,551.86
33411	132-8.6473	Ciena	NTK552BAE5	Ciena NTK552BAE5	NRC	$ 5,032.46
33411	132-8.6474	Ciena	NTK552DAE5	Ciena NTK552DAE5	NRC	$ 2,407.64
33411	132-8.6475	Ciena	NTK552DN	Ciena NTK552DN	NRC	$ 3,079.07
33411	132-8.6476	Ciena	NTK552FAE5	Ciena NTK552FAE5	NRC	$ 6,019.75
33411	132-8.6477	Ciena	NTK552FB	Ciena NTK552FB	NRC	$ 6,742.18
33411	132-8.6478	Ciena	NTK552GAE5	Ciena NTK552GAE5	NRC	$ 6,886.53
33411	132-8.6479	Ciena	NTK552GL	Ciena NTK552GL	NRC	$ 9,782.18
33411	132-8.6480	Ciena	NTK552JA	Ciena NTK552JA	NRC	$ 14,428.60
33411	132-8.6481	Ciena	NTK552JN	Ciena NTK552JN	NRC	$ 3,009.55
33411	132-8.6482	Ciena	NTK552JT	Ciena NTK552JT	NRC	$ 4,429.89
33411	132-8.6483	Ciena	NTK552KA	Ciena NTK552KA	NRC	$ 9,899.39
33411	132-8.6484	Ciena	NTK553GB	Ciena NTK553GB	NRC	$ 28,894.29
33411	132-8.6485	Ciena	NTK553GC	Ciena NTK553GC	NRC	$ 31,422.44

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
33411	132-8.6486	Ciena	NTK553LA	Ciena NTK553LA	NRC	$ 13,845.90
33411	132-8.6487	Ciena	NTK553LB	Ciena NTK553LB	NRC	$ 13,845.90
33411	132-8.6488	Ciena	NTK553LM	Ciena NTK553LM	NRC	$ 19,136.60
33411	132-8.6489	Ciena	NTK553MA	Ciena NTK553MA	NRC	$ 26,188.68
33411	132-8.6490	Ciena	NTK553RA	Ciena NTK553RA	NRC	$ 16,554.16
33411	132-8.6491	Ciena	NTK554BAE5	Ciena NTK554BAE5	NRC	$ 1,330.95
33411	132-8.6492	Ciena	NTK554TA	Ciena NTK554TA	NRC	$ 2,648.66
33411	132-8.6493	Ciena	NTK576AA	Ciena NTK576AA	NRC	$ 1,805.73
33411	132-8.6494	Ciena	NTK576BA	Ciena NTK576BA	NRC	$ 12,521.56
33411	132-8.6495	Ciena	NTK591VN	Ciena NTK591VN	NRC	$ 211.89
33411	132-8.6496	Ciena	NTK591VP	Ciena NTK591VP	NRC	$ 1,052.84
33411	132-8.6497	Ciena	NTK591VQ	Ciena NTK591VQ	NRC	$ 1,125.68
33411	132-8.6498	Ciena	NTK592NGE5	Ciena NTK592NGE5	NRC	$ 961.50
33411	132-8.6499	Ciena	NTK803DA	Ciena NTK803DA	NRC	$ 2,967.83
33411	132-8.6500	Ciena	NTK803FA	Ciena NTK803FA	NRC	$ 3,297.59
33411	132-8.6501	Ciena	NTK803QA	Ciena NTK803QA	NRC	$ 5,297.33
33411	132-8.6502	Ciena	NTK805DA	Ciena NTK805DA	NRC	$ 1,066.09
33411	132-8.6503	Ciena	NTK805FA	Ciena NTK805FA	NRC	$ 1,052.84
33411	132-8.6504	Ciena	NTK805MA	Ciena NTK805MA	NRC	$ 1,277.98
33411	132-8.6506	Ciena	NTK805NA	Ciena NTK805NA	NRC	$ 1,158.79
33411	132-8.6507	Ciena	NTK805QA	Ciena NTK805QA	NRC	$ 1,383.93
33411	132-8.6508	Ciena	NTK805RA	Ciena NTK805RA	NRC	$ 1,668.66
33411	132-8.6509	Ciena	NTK805SA	Ciena NTK805SA	NRC	$ 730.88
33411	132-8.6510	Ciena	NTK806DA	Ciena NTK806DA	NRC	$ 609.19
33411	132-8.6511	Ciena	NTK807DA	Ciena NTK807DA	NRC	$ 893.92
33411	132-8.6512	Ciena	NTK807FA	Ciena NTK807FA	NRC	$ 953.52
33411	132-8.6513	Ciena	NTK807MD	Ciena NTK807MD	NRC	$ 152.30
33411	132-8.6514	Ciena	NTK807MF	Ciena NTK807MF	NRC	$ 271.49
33411	132-8.6515	Ciena	NTK809DA	Ciena NTK809DA	NRC	$ 748.25
33411	132-8.6516	Ciena	NTK809FA	Ciena NTK809FA	NRC	$ 748.25
33411	132-8.6519	Ciena	NTK809HQ	Ciena NTK809HQ	NRC	$ 443.65
33411	132-8.6520	Ciena	NTK809MR	Ciena NTK809MR	NRC	$ 165.54
33411	132-8.6521	Ciena	NTK809MS	Ciena NTK809MS	NRC	$ 158.92
33411	132-8.6522	Ciena	NTK809MT	Ciena NTK809MT	NRC	$ 139.05
33411	132-8.6523	Ciena	NTK809MU	Ciena NTK809MU	NRC	$ 708.52
33411	132-8.6524	Ciena	NTK809MV	Ciena NTK809MV	NRC	$ 708.52
33411	132-8.6525	Ciena	NTK809MZ	Ciena NTK809MZ	NRC	$ 33.11
33411	132-8.6526	Ciena	NTK809NR	Ciena NTK809NR	NRC	$ 165.54
33411	132-8.6527	Ciena	NTK809NS	Ciena NTK809NS	NRC	$ 158.92
33411	132-8.6528	Ciena	NTK809NT	Ciena NTK809NT	NRC	$ 139.05
33411	132-8.6529	Ciena	NTK809SA	Ciena NTK809SA	NRC	$ 264.87
33411	132-8.6530	Ciena	NTK809SE	Ciena NTK809SE	NRC	$ 384.06
33411	132-8.6531	Ciena	NTK809VA	Ciena NTK809VA	NRC	$ 264.87
33411	132-8.6532	Ciena	NTK809VD	Ciena NTK809VD	NRC	$ 237.38
33411	132-8.6533	Ciena	NTK809XA	Ciena NTK809XA	NRC	$ 364.19
33411	132-8.6534	Ciena	NTK809YA	Ciena NTK809YA	NRC	$ 291.35
33411	132-8.6535	Ciena	NTK810DA	Ciena NTK810DA	NRC	$ 3,575.70
33411	132-8.6536	Ciena	NTK810DB	Ciena NTK810DB	NRC	$ 4,237.86
33411	132-8.6537	Ciena	NTK810FA	Ciena NTK810FA	NRC	$ 3,575.70
33411	132-8.6538	Ciena	NTK810FB	Ciena NTK810FB	NRC	$ 3,906.78
33411	132-8.6539	Ciena	NTK810QA	Ciena NTK810QA	NRC	$ 3,575.70
33411	132-8.6540	Ciena	NTK810QB	Ciena NTK810QB	NRC	$ 3,906.78
33411	132-8.6541	Ciena	NTK830AA	Ciena NTK830AA	NRC	$ 10,343.04
33411	132-8.6542	Ciena	NTK830AC	Ciena NTK830AC	NRC	$ 17,679.84
33411	132-8.6543	Ciena	NTK830EA	Ciena NTK830EA	NRC	$ 17,216.32
33411	132-8.6546	Ciena	NTK834AA	Ciena NTK834AA	NRC	$ 9,601.41
33411	132-8.6547	Ciena	NTK834AE	Ciena NTK834AE	NRC	$ 12,256.32
33411	132-8.6548	Ciena	NTK835AA	Ciena NTK835AA	NRC	$ 5,085.44
33411	132-8.6549	Ciena	NTK835BA	Ciena NTK835BA	NRC	$ 5,429.76
33411	132-8.6550	Ciena	NTK835NA	Ciena NTK835NA	NRC	$ 11,918.99
33411	132-8.6551	Ciena	NTK843BA	Ciena NTK843BA	NRC	$ 58,939.42
33411	132-8.6554	Ciena	NTK850BC	Ciena NTK850BC	NRC	$ 24,632.58
33411	132-8.6555	Ciena	NTK850CA	Ciena NTK850CA	NRC	$ 22,877.84
33411	132-8.6557	Ciena	NTK850DC	Ciena NTK850DC	NRC	$ 41,120.52
33411	132-8.6558	Ciena	NTK852AA	Ciena NTK852AA	NRC	$ 53,105.73
33411	132-8.6559	Ciena	NTK852AC	Ciena NTK852AC	NRC	$ 60,919.29
33411	132-8.6560	Ciena	NTK852BA	Ciena NTK852BA	NRC	$ 31,515.37

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
33411	132-8.6561	Ciena	NTK852BC	Ciena NTK852BC	NRC	$ 36,419.14
33411	132-8.6563	Ciena	NTK852NA	Ciena NTK852NA	NRC	$ 29,797.48
33411	132-8.6564	Ciena	NTK870AA	Ciena NTK870AA	NRC	$ 10,435.74
33411	132-8.6565	Ciena	NTK880AC	Ciena NTK880AC	NRC	$ 17,673.22
33411	132-8.6567	Ciena	NTK880DA	Ciena NTK880DA	NRC	$ 23,904.20
33411	132-8.6568	Ciena	NTK890BC	Ciena NTK890BC	NRC	$ 24,612.72
33411	132-8.6569	Ciena	NTK890DC	Ciena NTK890DC	NRC	$ 41,120.52
33411	132-8.6570	Ciena	NTK955EM	Ciena NTK955EM	NRC	$ 39.22
33411	132-8.6572	Ciena	NTT862AAE5	Ciena NTT862AAE5	NRC	$ 2,529.48
33411	132-8.6573	Ciena	NTT862BAE5	Ciena NTT862BAE5	NRC	$ 3,612.12
33411	132-8.6574	Ciena	NTT862BBE5	Ciena NTT862BBE5	NRC	$ 3,612.12
33411	132-8.6575	Ciena	NTT862BCE5	Ciena NTT862BCE5	NRC	$ 4,966.25
33411	132-8.6576	Ciena	NTT862BDE5	Ciena NTT862BDE5	NRC	$ 4,966.25
33411	132-8.6577	Ciena	NTT862DAE5	Ciena NTT862DAE5	NRC	$ 430.41
33411	132-8.6578	Ciena	NTT862FAE5	Ciena NTT862FAE5	NRC	$ 2,949.95
33411	132-8.6579	Ciena	NTT862HAE6	Ciena NTT862HAE6	NRC	$ 39.73
33411	132-8.6580	Ciena	NTT862HBE6	Ciena NTT862HBE6	NRC	$ 49.66
33411	132-8.6581	Ciena	NTT862JA	Ciena NTT862JA	NRC	$ 4,575.57
33411	132-8.6582	Ciena	NTT862JB	Ciena NTT862JB	NRC	$ 5,919.77
33411	132-8.6583	Ciena	NTT862KA	Ciena NTT862KA	NRC	$ 4,370.30
33411	132-8.6584	Ciena	NTT862LA	Ciena NTT862LA	NRC	$ 4,502.73
33411	132-8.6585	Ciena	NTT862MA	Ciena NTT862MA	NRC	$ 4,297.46
33411	132-8.6586	Ciena	NTT862NA	Ciena NTT862NA	NRC	$ 3,191.64
33411	132-8.6596	Ciena	NTTP01CFE6	Ciena NTTP01CFE6	NRC	$ 240.37
33411	132-8.6599	Ciena	NTZF15MV	Ciena NTZF15MV	NRC	$ 2,648.66
33411	132-8.6600	Ciena	NTZF99XB	Ciena NTZF99XB	NRC	$ 276.79
33411	132-8.6601	Ciena	NTZF99XC	Ciena NTZF99XC	NRC	$ 357.57
33411	132-8.6602	Ciena	NTZF99XF	Ciena NTZF99XF	NRC	$ 182.10
33411	132-8.6605	Ciena	NTZF99YM	Ciena NTZF99YM	NRC	$ 463.52
33411	132-8.6606	Ciena	NTZF99YN	Ciena NTZF99YN	NRC	$ 463.52
33411	132-8.6607	Ciena	NTZF99YQ	Ciena NTZF99YQ	NRC	$ 635.68
33411	132-8.6608	Ciena	NTZF99YU	Ciena NTZF99YU	NRC	$ 741.63
33411	132-8.6609	Ciena	NTZF99YV	Ciena NTZF99YV	NRC	$ 741.63
33411	132-8.6939	Ciena	NTK955EK	Ciena NTK955EK	NRC	$ 39.22
33411	132-8.6940	Ciena	XCVR-Q40V31	Ciena XCVR-Q40V31	NRC	$ 6,314.85
33411	132-8.6941	Ciena	170-0337-900	Ciena 170-0337-900	NRC	$ 728.47
33411	132-8.6942	Ciena	170-8114-900	Ciena 170-8114-900	NRC	$ 25,533.10
33411	132-8.6943	Ciena	170-0338-900	Ciena 170-0338-900	NRC	$ 212.47
33411	132-8.6944	Ciena	170-0339-900	Ciena 170-0339-900	NRC	$ 2,246.11
33411	132-8.6936	Ciena	NTK850BA	Ciena NTK850BA	NRC	$ 15,661.28
33411	132-8.6937	Ciena	NTZF07QC	Ciena NTZF07QC	NRC	$ 3,073.30
33411	132-8.6938	Ciena	NTZF15QC	Ciena NTZF15QC	NRC	$ 2,659.35
33411	132-8.6945	Ciena	170-0310-900	Ciena 170-0310-900	NRC	$ 849.88
33411	132-8.6946	Ciena	170-0312-900	Ciena 170-0312-900	NRC	$ 1,183.76
33411	132-8.6947	Ciena	170-0317-900	Ciena 170-0317-900	NRC	$ 424.94
33411	132-8.6948	Ciena	170-0327-900	Ciena 170-0327-900	NRC	$ 30.35
33411	132-8.6949	Ciena	170-5171-900	Ciena 170-5171-900	NRC	$ 14,569.37
33411	132-8.6950	Ciena	XCVR-B00CRJ	Ciena XCVR-B00CRJ	NRC	$ 87.98
33411	132-8.6951	Ciena	XCVR-Q10V31	Ciena XCVR-Q10V31	NRC	$ 3,577.77
33411	132-8.6952	Ciena	XCVR-Q80V31	Ciena XCVR-Q80V31	NRC	$ 7,253.28
33411	132-8.6953	Ciena	XCVR-S00Z85	Ciena XCVR-S00Z85	NRC	$ 412.40

3.2 Multiple Award Schedule (MAS) SIN 811212 Description of Maintenance, Repair Service, and Repair Parts/Spare Parts Products and Pricing

3.2.1 ADTRAN Maintenance and Repair

MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/IFF
811212	132-12.1600	ADTRAN	1100AS589123M	ProCare 5X8XNBD ON	NRC	$ 765.31
811212	132-12.1601	ADTRAN	1100AS589128M	ProCare 5X8XNBD ON	NRC	$ 299.83
811212	132-12.1603	ADTRAN	1100AS740125M	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 116.08
811212	132-12.1604	ADTRAN	1100AS740128M	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 239.40
811212	132-12.1606	ADTRAN	1100AS744128M	ProCare SITE 7X24X4 PRVTE LBL 1YR	NRC	$ 421.99
811212	132-12.1860	ADTRAN	110020630M	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 180.15
811212	132-12.1862	ADTRAN	1100AMAT55M5T1	ProCare 7X24X4 ON-SITE 1 YR	NRC	$ 1,527.11
811212	132-12.1871	ADTRAN	1100AMNVSR3M5T1	ProCare 7x24 SITE 1 YR NVSR3	NRC	$ 516.94

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/IFF
811212	132-12.1872	ADTRAN	1100AMNVSRM5T1	ProCare 7X24X4 ON-SITE 1 YR	NRC	$ 694.83
811212	132-12.1877	ADTRAN	1100AMNV31M5T1	ProCare 7X24X4 ON-SITE 1 YR	NRC	$ 126.77
811212	132-12.1878	ADTRAN	1100AMNVACM5T1	ProCare 7X24X4 ON-SITE 1 YR	NRC	$ 253.74
811212	132-12.1879	ADTRAN	1100AMNVSR2M5T1	ProCare 7X24X4 ON-SITE 1 YR	NRC	$ 347.41
811212	132-12.1880	ADTRAN	1100AMNVRGM5T1	ProCare 7X24X4 ONSITE 1 YR	NRC	$ 1,175.01
811212	132-12.1881	ADTRAN	1100AMNV50M5T1	ProCare 7X24X4 ON-SITE 1 YR	NRC	$ 2,086.73
811212	132-12.1883	ADTRAN	1100AMTAGSM5T1	ProCare 7X24X4 ON-SITE 1 YR	NRC	$ 423.31
811212	132-12.1884	ADTRAN	1100AMTAGM5T1	ProCare 7X24X4 ON-SITE 1 YR	NRC	$ 602.32
811212	132-12.1888	ADTRAN	1100AMPHOM3T1	ProCare 7X24 1 YR PHO	NRC	$ 52.17
811212	132-12.1889	ADTRAN	1100AMAT55M3T1	ProCare 7X24X4 REMOTE 1 YR	NRC	$ 872.63
811212	132-12.1890	ADTRAN	1100AMAT83M3T1	ProCare 7X24X4 REMOTE 1 YR	NRC	$ 2,731.72
811212	132-12.1900	ADTRAN	1100AMEDRM3T1	ProCare 7X24 1 YR EDR	NRC	$ 192.09
811212	132-12.1901	ADTRAN	1100AMECSM3T1	ProCare 7X24 1 YR ECS	NRC	$ 573.85
811212	132-12.1902	ADTRAN	1100AMNVSR3M3T1	ProCare 7X24X4 REMOTE 1 YR	NRC	$ 365.18
811212	132-12.1906	ADTRAN	1100AMNVS3M3T1	ProCare 7X24X4 REMOTE 1 YR	NRC	$ 142.29
811212	132-12.1907	ADTRAN	1100AMSWENM3T1	ProCare 7X24X4 REMOTE 1 YR	NRC	$ 313.02
811212	132-12.1908	ADTRAN	1100AMNV31M3T1	ProCare 7X24X4 REMOTE 1 YR	NRC	$ 81.49
811212	132-12.1909	ADTRAN	1100AMNVACM3T1	ProCare 7X24X4 REMOTE 1 YR	NRC	$ 165.99
811212	132-12.1910	ADTRAN	1100AMNVRGM3T1	ProCare 7X24X4 REMOTE 1 YR	NRC	$ 682.93
811212	132-12.1911	ADTRAN	1100AMNV50M3T1	ProCare 7X24X4 REMOTE 1 YR	NRC	$ 1,318.43
811212	132-12.1913	ADTRAN	1100AMTAGSM3T1	ProCare 7X24X4 REMOTE 1 YR	NRC	$ 265.58
811212	132-12.1914	ADTRAN	1100AMTAGM3T1	ProCare 7X24X4 REMOTE 1 YR	NRC	$ 341.46
811212	132-12.1915	ADTRAN	1100AMUDRM3T1	ProCare 7X24 1 YR UDR	NRC	$ 96.04
811212	132-12.1916	ADTRAN	1100AMUCSM3T1	ProCare 7X24 1 YR UCS	NRC	$ 288.13
811212	132-12.1917	ADTRAN	1100AMNVSR2M3T1	ProCare 7X24X4 REMOTE 1 YR	NRC	$ 226.47
811212	132-12.1918	ADTRAN	1100AMUADRM1T1	ProCare BASIC 1 YR ADV DR USER, U	NRC	$ 14.23
811212	132-12.1919	ADTRAN	1100AMUAUCM1T1	ProCare BASIC 1 YR ADV USER, UCS	NRC	$ 33.20
811212	132-12.1920	ADTRAN	1100AMUEDRM1T1	ProCare BASIC 1 YR USER DR, ECS	NRC	$ 23.72
811212	132-12.1921	ADTRAN	1100AMUECSM1T1	ProCare BASIC 1 YR USER, ECS	NRC	$ 66.40
811212	132-12.1922	ADTRAN	1100AMUBDRM1T1	ProCare BASIC 1 YR BASIC DR USER,	NRC	$ 4.75
811212	132-12.1923	ADTRAN	1100AMUBUCM1T1	ProCare BASIC 1 YR BASIC USER, UC	NRC	$ 9.48
811212	132-12.1924	ADTRAN	1100AMUSDRM1T1	ProCare BASIC 1 YR SIP DR USER	NRC	$ 23.72
811212	132-12.1925	ADTRAN	1100AMUSIPM1T1	ProCare BASIC 1 YR SIP USER	NRC	$ 71.15
811212	132-12.1926	ADTRAN	1100AMUMDRM1T1	ProCare BASIC 1 YR UCOM DR USER	NRC	$ 32.83
811212	132-12.1927	ADTRAN	1100AMUCOMM1T1	ProCare BASIC 1 YR UCOM USER	NRC	$ 98.48
811212	132-12.1928	ADTRAN	1100AMAT55M1T1	ProCare BASIC 1 YR	NRC	$ 327.24
811212	132-12.1929	ADTRAN	1100AMAT83M1T1	ProCare BASIC 1 YR	NRC	$ 1,024.39
811212	132-12.1930	ADTRAN	1100AMAT89M1T1	ProCare BASIC 1 YR	NRC	$ 1,895.94
811212	132-12.1939	ADTRAN	1100AMEDRM1T1	ProCare BASIC 1 YR EDR	NRC	$ 158.89
811212	132-12.1940	ADTRAN	1100AMECSM1T1	ProCare BASIC 1 YR ECS	NRC	$ 474.26
811212	132-12.1941	ADTRAN	1100AMNVSR3M1T1	ProCare BASIC 1 YR	NRC	$ 126.88
811212	132-12.1942	ADTRAN	1100AMNVSRM1T1	ProCare BASIC 1 YR	NRC	$ 168.37
811212	132-12.1944	ADTRAN	1100AMNVS2M1T1	ProCare BASIC 1 YR	NRC	$ 37.94
811212	132-12.1945	ADTRAN	1100AMNVS3M1T1	ProCare BASIC 1 YR	NRC	$ 85.37
811212	132-12.1946	ADTRAN	1100AMSWENM1T1	ProCare BASIC 1 YR	NRC	$ 199.21
811212	132-12.1947	ADTRAN	1100AMNV31M1T1	ProCare BASIC 1 YR	NRC	$ 28.45
811212	132-12.1948	ADTRAN	1100AMNVACM1T1	ProCare BASIC 1 YR	NRC	$ 54.33
811212	132-12.1949	ADTRAN	1100AMNVSR2M1T1	ProCare BASIC 1 YR	NRC	$ 75.89
811212	132-12.1950	ADTRAN	1100AMNVRGM1T1	ProCare BASIC 1 YR	NRC	$ 256.10
811212	132-12.1951	ADTRAN	1100AMNV50M1T1	ProCare BASIC 1 YR	NRC	$ 431.62
811212	132-12.1953	ADTRAN	1100AMTAGSM1T1	ProCare BASIC 1 YR	NRC	$ 99.59
811212	132-12.1954	ADTRAN	1100AMTAGM1T1	ProCare BASIC 1 YR	NRC	$ 128.05
811212	132-12.1955	ADTRAN	1100AMUDRM1T1	ProCare BASIC 1 YR UDR	NRC	$ 76.97
811212	132-12.1956	ADTRAN	1100AMUCSM1T1	ProCare BASIC 1 YR UCS	NRC	$ 237.13
811212	132-12.1957	ADTRAN	1100AMAT55M4T1	ProCare NBD ON-SITE 1 YR	NRC	$ 1,090.79
811212	132-12.1958	ADTRAN	1100AMAT83M4T1	ProCare NBD ON-SITE 1 YR	NRC	$ 3,414.65
811212	132-12.1968	ADTRAN	1100AMNVSR3M4T1	ProCare NBD ON-SITE 1 YR	NRC	$ 374.66
811212	132-12.1972	ADTRAN	1100AMSWENM4T1	ProCare NBD ON-SITE 1 YR	NRC	$ 364.01
811212	132-12.1973	ADTRAN	1100AMNV31M4T1	ProCare NBD ON-SITE 1 YR	NRC	$ 90.55
811212	132-12.1974	ADTRAN	1100AMNVACM4T1	ProCare NBD ON-SITE 1 YR	NRC	$ 199.19
811212	132-12.1975	ADTRAN	1100AMNVSR2M4T1	ProCare NBD ON-SITE 1 YR	NRC	$ 271.53
811212	132-12.1976	ADTRAN	1100AMNV50M4T1	ProCare NBD ON-SITE 1 YR	NRC	$ 1,489.17
811212	132-12.1978	ADTRAN	1100AMTAGSM4T1	ProCare NBD ON-SITE 1 YR	NRC	$ 331.98
811212	132-12.1979	ADTRAN	1100AMTAGM4T1	ProCare NBD ON-SITE 1 YR	NRC	$ 426.83
811212	132-12.1980	ADTRAN	1100206M10	ProCare 5X8XNBD SPARING 1YR	NRC	$ 1,436.37
811212	132-12.1981	ADTRAN	1100AMNVS3M4T1	ProCare NBD ON-SITE 1 YR	NRC	$ 164.81
811212	132-12.1982	ADTRAN	1100AMNVRGM4T1	ProCare NBD ON-SITE 1 YR	NRC	$ 853.66

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/IFF
811212	132-12.1983	ADTRAN	1100AMPHOM2T1	ProCare NBD 1 YR PHO	NRC	$ 16.30
811212	132-12.1984	ADTRAN	1100AMAT83M2T1	ProCare NBD REMOTE 1 YR	NRC	$ 2,048.79
811212	132-12.1986	ADTRAN	1100AMAT55M2T1	ProCare NBD REMOTE 1 YR	NRC	$ 654.47
811212	132-12.199	ADTRAN	1100206M18	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 2,656.22
811212	132-12.1995	ADTRAN	1100AMEDRM2T1	ProCare NBD 1 YR EDR	NRC	$ 175.49
811212	132-12.1996	ADTRAN	1100AMECSM2T1	ProCare NBD 1 YR ECS	NRC	$ 521.68
811212	132-12.1997	ADTRAN	1100AMNVSR3M2T1	ProCare NBD REMOTE 1 YR	NRC	$ 251.36
811212	132-12.1998	ADTRAN	1100AMNVSRM2T1	ProCare NBD REMOTE 1 YR	NRC	$ 336.74
811212	132-12.200	ADTRAN	1100206M8	ProCare 5X8XNBD SPARING 1YR	NRC	$ 459.47
811212	132-12.2000	ADTRAN	1100AMSWENM2T1	ProCare NBD REMOTE 1 YR	NRC	$ 208.67
811212	132-12.2001	ADTRAN	1100AMNV31M2T1	ProCare NBD 1 YR NV31	NRC	$ 54.33
811212	132-12.2002	ADTRAN	1100AMNVACM2T1	ProCare NBD REMOTE 1 YR	NRC	$ 111.46
811212	132-12.2003	ADTRAN	1100AMNVSR2M2T1	ProCare NBD REMOTE 1 YR	NRC	$ 151.76
811212	132-12.2004	ADTRAN	1100AMNV50M2T1	ProCare NBD REMOTE 1 YR	NRC	$ 891.60
811212	132-12.2006	ADTRAN	1100AMTAGSM2T1	ProCare NBD REMOTE 1 YR	NRC	$ 199.19
811212	132-12.2007	ADTRAN	1100AMTAGM2T1	ProCare NBD REMOTE 1 YR	NRC	$ 256.10
811212	132-12.2009	ADTRAN	1100AMUDRM2T1	ProCare NBD 1 YR UDR	NRC	$ 87.74
811212	132-12.201	ADTRAN	1100207M10	ProCare 7X24X4 SPARING 1YR	NRC	$ 1,915.16
811212	132-12.2010	ADTRAN	1100AMUCSM2T1	ProCare NBD 1 YR UCS	NRC	$ 260.87
811212	132-12.2011	ADTRAN	1100AMNVS2M2T1	ProCare NBD REMOTE 1 YR	NRC	$ 47.43
811212	132-12.2012	ADTRAN	1100AMNVS3M2T1	ProCare NBD REMOTE 1 YR	NRC	$ 94.86
811212	132-12.2013	ADTRAN	1100AMNVRGM2T1	ProCare NBD REMOTE 1 YR	NRC	$ 512.20
811212	132-12.2023	ADTRAN	1100AMNVSR3M5T3	ProCare 7X24X4 ON-SITE 3 YR	NRC	$ 1,396.81
811212	132-12.2027	ADTRAN	1100AMNVS3M5T3	ProCare 7X24X4 ON-SITE 3 YR	NRC	$ 414.98
811212	132-12.2028	ADTRAN	1100AMSWENM5T3	ProCare 7X24X4 ON-SITE 3 YR	NRC	$ 916.56
811212	132-12.2029	ADTRAN	1100AMNV31M5T3	ProCare 7X24X4 ON-SITE 3 YR	NRC	$ 355.69
811212	132-12.203	ADTRAN	1100207M8	ProCare 7X24X4 SPARING 1YR	NRC	$ 611.79
811212	132-12.2030	ADTRAN	1100AMNVACM5T3	ProCare 7X24X4 ON-SITE 3 YR	NRC	$ 684.17
811212	132-12.2031	ADTRAN	1100AMNVSR2M5T3	ProCare 7X24X4 ON-SITE 3 YR	NRC	$ 937.93
811212	132-12.2032	ADTRAN	1100AMNVRGM5T3	ProCare 7X24X4 ON-SITE 3 YR	NRC	$ 3,171.89
811212	132-12.2033	ADTRAN	1100AMNV50M5T3	ProCare 7X24X4 ON-SITE 3 YR	NRC	$ 5,643.66
811212	132-12.2035	ADTRAN	1100AMTAGSM5T3	ProCare 7X24X4 ON-SITE 3 YR	NRC	$ 1,142.98
811212	132-12.2036	ADTRAN	1100AMTAGM5T3	ProCare 7X24X4 ON-SITE 3 YR	NRC	$ 1,624.37
811212	132-12.204	ADTRAN	1100216M10	ProCare PREMIERSERV 5X8XNBD 1YR	NRC	$ 2,393.95
811212	132-12.2041	ADTRAN	1100AMAT55M3T3	ProCare 7X24X4 REMOTE 3 YR	NRC	$ 2,357.11
811212	132-12.2054	ADTRAN	1100AMNVSR3M3T3	ProCare 7X24X4 REMOTE 3 YR	NRC	$ 986.45
811212	132-12.2058	ADTRAN	1100AMNVS3M3T3	ProCare 7X24X4 REMOTE 3 YR	NRC	$ 296.41
811212	132-12.206	ADTRAN	1100218M10	ProCare PREMIERSERV 7X24X4 1YR	NRC	$ 3,351.54
811212	132-12.2060	ADTRAN	1100AMNVACM3T3	ProCare 7X24X4 REMOTE 3 YR	NRC	$ 445.80
811212	132-12.2061	ADTRAN	1100AMNVSR2M3T3	ProCare 7X24X4 REMOTE 3 YR	NRC	$ 610.61
811212	132-12.2062	ADTRAN	1100AMNV50M3T3	ProCare 7X24X4 REMOTE 3 YR	NRC	$ 3,561.67
811212	132-12.2064	ADTRAN	1100AMNV31M3T3	ProCare 7X24X4 REMOTE 3 YR	NRC	$ 227.67
811212	132-12.2065	ADTRAN	1100AMTAGSM3T3	ProCare 7X24X4 REMOTE 3 YR	NRC	$ 717.30
811212	132-12.2066	ADTRAN	1100AMTAGM3T3	ProCare 7X24X4 REMOTE 3 YR	NRC	$ 891.89
811212	132-12.207	ADTRAN	1100218M8	ProCare PREMIERSERV 7X24X4 1YR	NRC	$ 1,071.28
811212	132-12.2070	ADTRAN	1100AMNVRGM3T3	ProCare 7X24X4 REMOTE 3 YR	NRC	$ 1,844.89
811212	132-12.208	ADTRAN	1100802M6	ProCare 7X24X2 DEPOT WILLCALL	NRC	$ 888.09
811212	132-12.2081	ADTRAN	1100AMAT55M1T3	ProCare BASIC 3 YR	NRC	$ 884.48
811212	132-12.209	ADTRAN	1100802M7	ProCare 7X24X3 DEPOT WILLCALL	NRC	$ 1,535.48
811212	132-12.2093	ADTRAN	1100AMNVSR3M1T3	ProCare BASIC 3 YR	NRC	$ 340.29
811212	132-12.2096	ADTRAN	1100AMNVS3M1T3	ProCare BASIC 3 YR	NRC	$ 177.86
811212	132-12.2097	ADTRAN	1100AMSWENM1T3	ProCare BASIC 3 YR	NRC	$ 417.37
811212	132-12.2098	ADTRAN	1100AMNV31M1T3	ProCare BASIC 3 YR NV31	NRC	$ 75.89
811212	132-12.2099	ADTRAN	1100AMNVACM1T3	ProCare BASIC 3 YR	NRC	$ 150.58
811212	132-12.2100	ADTRAN	1100AMNVSR2M1T3	ProCare BASIC 3 YR	NRC	$ 205.12
811212	132-12.2101	ADTRAN	1100AMNVRGM1T3	ProCare BASIC 3 YR	NRC	$ 692.42
811212	132-12.2102	ADTRAN	1100AMNV50M1T3	ProCare BASIC 3 YR	NRC	$ 1,170.26
811212	132-12.2104	ADTRAN	1100AMTAGM1T3	ProCare BASIC 3 YR	NRC	$ 346.24
811212	132-12.2108	ADTRAN	1100AMTAGSM1T3	ProCare BASIC 3 YR	NRC	$ 270.35
811212	132-12.2109	ADTRAN	1100AMAT55M4T3	ProCare NBD ON-SITE 3 YR	NRC	$ 2,945.14
811212	132-12.2120	ADTRAN	1100AMNVSR3M4T3	ProCare NBD REMOTE 3 YR	NRC	$ 1,012.60
811212	132-12.2126	ADTRAN	1100AMNV31M4T3	ProCare NBD ON-SITE 3 YR	NRC	$ 253.74
811212	132-12.2127	ADTRAN	1100AMNVACM4T3	ProCare NBD ON-SITE 3 YR	NRC	$ 535.93
811212	132-12.2128	ADTRAN	1100AMNVSR2M4T3	ProCare NBD ON-SITE 3 YR	NRC	$ 732.72
811212	132-12.2129	ADTRAN	1100AMNVRGM4T3	ProCare NBD ON-SITE 3 YR	NRC	$ 2,304.89
811212	132-12.2130	ADTRAN	1100AMNV50M4T3	ProCare NBD ON-SITE 3 YR	NRC	$ 4,007.47
811212	132-12.2132	ADTRAN	1100AMTAGSM4T3	ProCare NBD ON-SITE 3 YR	NRC	$ 896.35

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/IFF
811212	132-12.2133	ADTRAN	1100AMTAGM4T3	ProCare NBD ON-SITE 3 YR	NRC	$ 1,152.44
811212	132-12.2136	ADTRAN	1100AMAT55M2T3	ProCare NBD REMOTE 3 YR	NRC	$ 1,767.83
811212	132-12.2147	ADTRAN	1100AMNVSR3M2T3	ProCare NBD REMOTE 3 YR	NRC	$ 679.42
811212	132-12.2150	ADTRAN	1100AMNVS2M2T3	ProCare NBD REMOTE 3 YR	NRC	$ 98.41
811212	132-12.2151	ADTRAN	1100AMNVS3M2T3	ProCare NBD 3 YR NVS3	NRC	$ 198.00
811212	132-12.2152	ADTRAN	1100AMSWENM2T3	ProCare NBD REMOTE 3 YR	NRC	$ 436.32
811212	132-12.2153	ADTRAN	1100AMNV31M2T3	ProCare NBD REMOTE 3 YR	NRC	$ 144.89
811212	132-12.2154	ADTRAN	1100AMNVACM2T3	ProCare NBD REMOTE 3 YR	NRC	$ 299.99
811212	132-12.2155	ADTRAN	1100AMNVSR2M2T3	ProCare NBD REMOTE 3 YR	NRC	$ 410.24
811212	132-12.2156	ADTRAN	1100AMNVRGM2T3	ProCare NBD REMOTE 3 YR	NRC	$ 1,383.67
811212	132-12.2157	ADTRAN	1100AMNV50M2T3	ProCare NBD REMOTE 3 YR	NRC	$ 2,395.00
811212	132-12.2159	ADTRAN	1100AMTAGSM2T3	ProCare NBD REMOTE 3 YR	NRC	$ 538.32
811212	132-12.2160	ADTRAN	1100AMTAGM2T3	ProCare NBD REMOTE 3 YR	NRC	$ 692.42
811212	132-12.2166	ADTRAN	1100AS584110V	ProCare ADV HARDWARE 5X8XNBD 1YR	NRC	$ 106.74
811212	132-12.2167	ADTRAN	1100AS584310V	ProCare ADV HARDWARE 5X8XNBD 3YR	NRC	$ 530.82
811212	132-12.2168	ADTRAN	1100AS744110V	ProCare ADV HARDWARE 7x24x4 1 YEA	NRC	$ 477.61
811212	132-12.2169	ADTRAN	1100AS744310V	ProCare ADV HARDWARE 7x24x4 3 YEA	NRC	$ 1,196.98
811212	132-12.2170	ADTRAN	1100AS74H4109B	ProCare P SW 7x24x4 AP ONSITE HA	NRC	$ 189.84
811212	132-12.2171	ADTRAN	1100AS744109B	ProCare SW 7x24x4 AP ONSITE 1	NRC	$ 153.55
811212	132-12.2172	ADTRAN	1100AS744309B	ProCare SW 7x24x4 AP HW ONSITE 3	NRC	$ 264.80
811212	132-12.2173	ADTRAN	1100AS74H309B	ProCare SW 7x24x4 AP HW ONSITE HA	NRC	$ 291.40
811212	132-12.2174	ADTRAN	1100AS544109B	ProCare SW 8X5XNBD AP ONSITE 1	NRC	$ 106.40
811212	132-12.2175	ADTRAN	1100AS584309B	ProCare SW 7x24x4 AP ONSITE 1	NRC	$ 199.50
811212	132-12.2176	ADTRAN	1100AS58H4309B	ProCare SW 8X5XNBD AP ONSITE HA 3	NRC	$ 212.80
811212	132-12.2178	ADTRAN	1100AS58H4109B	ProCare SW 8X5XNBD AP ONSITE	NRC	$ 140.26
811212	132-12.2205	ADTRAN	1100ALS2101WIF1	ADTRAN	NRC	$ 95.09
811212	132-12.2210	ADTRAN	1100AMWIF1M1T1	ProCare 1 Year 7x24x4 Basic Maintenance	NRC	$ 45.27
811212	132-12.2211	ADTRAN	1100AMWIF1M1T3	ProCare BASIC 3YR BSAP	NRC	$ 122.24
811212	132-12.2212	ADTRAN	1100AMAPPLM2T1	ProCare NBD 1YR APPL	NRC	$ 134.92
811212	132-12.2213	ADTRAN	1100AMWIF1M2T1	ProCare NBD 1YR BSAP	NRC	$ 58.86
811212	132-12.2215	ADTRAN	1100AMWIF1M2T3	ProCare NBD 3 YR BSAP	NRC	$ 149.41
811212	132-12.2216	ADTRAN	1100AMAPPLM3T1	ADTRAN	NRC	$ 348.61
811212	132-12.2220	ADTRAN	1100AMAPPLM4T1	ProCare 1 Year NBD On-site Maintenance	NRC	$ 203.74
811212	132-12.2224	ADTRAN	1100AMAPPLM5T1	ProCare 7x24x4 On-Site Maintenance	NRC	$ 439.16
811212	132-12.2228	ADTRAN	1100MSPM200112	ADTRAN	NRC	$ 118.85
811212	132-12.2229	ADTRAN	1100MSPM200136	ADTRAN	NRC	$ 237.70
811212	132-12.2230	ADTRAN	1100MSPM200160	ADTRAN	NRC	$ 356.55
811212	132-12.2235	ADTRAN	1100MSPONBFAP	ADTRAN	NRC	$ 9.06
811212	132-12.2248	ADTRAN	1100AM740133M	ADTRAN	NRC	$ 833.05
811212	132-12.2249	ADTRAN	1100AM740333M	ADTRAN	NRC	$ 2,248.99
811212	132-12.2250	ADTRAN	1100AM744133M	ADTRAN	NRC	$ 1,457.84
811212	132-12.2251	ADTRAN	1100AM744333M	ADTRAN	NRC	$ 3,936.61
811212	132-12.2252	ADTRAN	1100AMNVRGM5T5	ADTRAN	NRC	$ 5,045.96
811212	132-12.2253	ADTRAN	1100AMNVS2M1T3	ADTRAN	NRC	$ 74.70
811212	132-12.2254	ADTRAN	1100AMNVSR2M5T5	ADTRAN	NRC	$ 1,491.84
811212	132-12.2298	ADTRAN	1100MSPH200112	ADTRAN	NRC	$ 106.40
811212	132-12.2299	ADTRAN	1100MSPH200136	ADTRAN	NRC	$ 211.59
811212	132-12.2300	ADTRAN	1100MSPH200160	ADTRAN	NRC	$ 317.98
811212	132-12.2355	ADTRAN	1100104L14	ADTRAN	NRC	$ 1,358.24
811212	132-12.2356	ADTRAN	1100105L14	ADTRAN	NRC	$ 2,465.38
811212	132-12.2357	ADTRAN	1100106L14	ADTRAN	NRC	$ 3,286.93
811212	132-12.2358	ADTRAN	1100202M11	ADTRAN	NRC	$ 1,715.91
811212	132-12.2359	ADTRAN	1100202M12	ADTRAN	NRC	$ 3,164.69
811212	132-12.2360	ADTRAN	1100205M11	ADTRAN	NRC	$ 2,983.59
811212	132-12.2361	ADTRAN	1100205M12	ADTRAN	NRC	$ 4,975.67
811212	132-12.2362	ADTRAN	1100302M11	ADTRAN	NRC	$ 4,633.91
811212	132-12.2363	ADTRAN	1100302M12	ADTRAN	NRC	$ 8,546.07
811212	132-12.2364	ADTRAN	1100305M11	ADTRAN	NRC	$ 8,057.05
811212	132-12.2365	ADTRAN	1100305M12	ADTRAN	NRC	$ 13,436.27
811212	132-12.2449	ADTRAN	1102ALR2101WIF1	ADTRAN PROSTART REM 15 Aps OR LESS	NRC	$ 135.42
811212	132-12.2450	ADTRAN	1102ALS2101WIF1	ADTRAN PROSTART OST 15 Aps OR LESS	NRC	$ 248.26
811212	132-12.322	ADTRAN	1100206M4	ProCare 5X8XNBD SPARING 1YR	NRC	$ 140.26
811212	132-12.323	ADTRAN	1100207M4	ProCare 7X24X4 SPARING 1YR	NRC	$ 186.20
811212	132-12.324	ADTRAN	1100216M4	ProCare PREMIERSERV 5X8XNBD 1YR	NRC	$ 233.35
811212	132-12.325	ADTRAN	1100218M4	ProCare PREMIERSERV 7X24X4 1YR	NRC	$ 297.44

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/IFF
811212	132-12.326	ADTRAN	1100AS580125M	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 77.38
811212	132-12.327	ADTRAN	1100AS580126M	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 110.02
811212	132-12.328	ADTRAN	1100AS580129M	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 180.15
811212	132-12.329	ADTRAN	1100AS580131M	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 220.04
811212	132-12.330	ADTRAN	1100AS589125M	ProCare 5X8XNBD ON	NRC	$ 148.72
811212	132-12.331	ADTRAN	1100AS589126M	ProCare 5X8XNBD ON	NRC	$ 169.27
811212	132-12.332	ADTRAN	1100AS589129M	ProCare 5X8XNBD ON	NRC	$ 299.83
811212	132-12.333	ADTRAN	1100AS589131M	ProCare 5X8XNBD ON	NRC	$ 366.35
811212	132-12.334	ADTRAN	1100AS740126M	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 148.72
811212	132-12.335	ADTRAN	1100AS740129M	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 239.40
811212	132-12.336	ADTRAN	1100AS740131M	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 292.59
811212	132-12.337	ADTRAN	1100AS744125M	ProCare SITE 7X24X4 PRVTE LBL 1YR	NRC	$ 233.35
811212	132-12.338	ADTRAN	1100AS744126M	ProCare SITE 7X24X4 PRVTE LBL 1YR	NRC	$ 282.92
811212	132-12.339	ADTRAN	1100AS744129M	ProCare SITE 7X24X4 PRVTE LBL 1YR	NRC	$ 421.99
811212	132-12.340	ADTRAN	1100AS744131M	ProCare SITE 7X24X4 PRVTE LBL 1YR	NRC	$ 542.88
811212	132-12.403	ADTRAN	1100AS580122N	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 140.26
811212	132-12.404	ADTRAN	1100AS580127N	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 169.26
811212	132-12.405	ADTRAN	1100AS580130M	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 180.15
811212	132-12.406	ADTRAN	1100AS589122N	ProCare 5X8XNBD ON	NRC	$ 233.35
811212	132-12.407	ADTRAN	1100AS589127N	ProCare 5X8XNBD ON	NRC	$ 290.18
811212	132-12.408	ADTRAN	1100AS589130M	ProCare 5X8XNBD ON	NRC	$ 299.83
811212	132-12.410	ADTRAN	1100AS740127N	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 229.75
811212	132-12.411	ADTRAN	1100AS740130M	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 239.40
811212	132-12.413	ADTRAN	1100AS744127N	ProCare SITE 7X24X4 PRVTE LBL 1YR	NRC	$ 350.63
811212	132-12.414	ADTRAN	1100AS744130M	ProCare SITE 7X24X4 PRVTE LBL 1YR	NRC	$ 421.99
811212	132-12.421	ADTRAN	1100AM5801MAC	REMOTE MOVE/ADD/CHANGE SUPPORT	NRC	$ 296.41
811212	132-12.439	ADTRAN	1100AS580101T	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 11.31
811212	132-12.440	ADTRAN	1100AS580102T	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 14.71
811212	132-12.442	ADTRAN	1100AS590120T	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 420.78
811212	132-12.444	ADTRAN	1100AS740101T	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 33.20
811212	132-12.445	ADTRAN	1100AS740102T	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 52.17
811212	132-12.449	ADTRAN	1100AM580145N	ProCare 8X5XNBD 1YR	NRC	$ 1,024.42
811212	132-12.450	ADTRAN	1100AM740145N	ProCare 7X24X4 1YR	NRC	$ 1,536.62
811212	132-12.453	ADTRAN	1100206N11	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 1,054.32
811212	132-12.454	ADTRAN	1100206N2	ProCare 5X8XNBD SPARING 1YR	NRC	$ 77.38
811212	132-12.455	ADTRAN	1100206N3	ProCare 5X8XNBD SPARING 1YR	NRC	$ 106.40
811212	132-12.456	ADTRAN	1100206N4	ProCare 5X8XNBD SPARING 1YR	NRC	$ 176.52
811212	132-12.457	ADTRAN	1100206N5	ProCare 5X8XNBD SPARING 1YR	NRC	$ 223.69
811212	132-12.458	ADTRAN	1100206N6	ProCare 5X8XNBD SPARING 1YR	NRC	$ 235.76
811212	132-12.459	ADTRAN	1100206N7	ProCare 5X8XNBD SPARING 1YR	NRC	$ 359.09
811212	132-12.460	ADTRAN	1100206N8	ProCare 5X8XNBD SPARING 1YR	NRC	$ 594.89
811212	132-12.461	ADTRAN	1100206N9	ProCare 5X8XNBD SPARING 1YR	NRC	$ 727.83
811212	132-12.462	ADTRAN	1100207N11	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 1,373.41
811212	132-12.463	ADTRAN	1100207N2	ProCare 7X24X4 SPARING 1YR	NRC	$ 116.08
811212	132-12.464	ADTRAN	1100207N3	ProCare 7X24X4 SPARING 1YR	NRC	$ 158.39
811212	132-12.465	ADTRAN	1100207N4	ProCare 7X24X4 SPARING 1YR	NRC	$ 256.33
811212	132-12.466	ADTRAN	1100207N5	ProCare 7X24X4 SPARING 1YR	NRC	$ 274.47
811212	132-12.467	ADTRAN	1100207N6	ProCare 7X24X4 SPARING 1YR	NRC	$ 316.77
811212	132-12.468	ADTRAN	1100207N7	ProCare 7X24X4 SPARING 1YR	NRC	$ 478.79
811212	132-12.469	ADTRAN	1100207N8	ProCare 7X24X4 SPARING 1YR	NRC	$ 894.68
811212	132-12.470	ADTRAN	1100207N9	ProCare 7X24X4 SPARING 1YR	NRC	$ 1,060.33
811212	132-12.471	ADTRAN	1100216N2	ProCare PREMIERSERV 5X8XNBD 1YR	NRC	$ 139.05
811212	132-12.472	ADTRAN	1100216N3	ProCare PREMIERSERV 5X8XNBD 1YR	NRC	$ 191.02
811212	132-12.473	ADTRAN	1100216N4	ProCare PREMIERSERV 5X8XNBD 1YR	NRC	$ 263.59
811212	132-12.474	ADTRAN	1100218N2	ProCare PREMIERSERV 7X24X4 1YR	NRC	$ 177.74
811212	132-12.475	ADTRAN	1100218N3	ProCare PREMIERSERV 7X24X4 1YR	NRC	$ 244.23
811212	132-12.476	ADTRAN	1100218N4	ProCare PREMIERSERV 7X24X4 1YR	NRC	$ 362.75
811212	132-12.477	ADTRAN	1100AS588102N	ProCare SITE NBD PRIV LABEL 1YR	NRC	$ 139.05
811212	132-12.478	ADTRAN	1100AS588103N	ProCare SITE NBD PRIV LABEL 1YR	NRC	$ 191.02
811212	132-12.479	ADTRAN	1100AS588104N	ProCare SITE NBD PRIV LABEL 1YR	NRC	$ 263.59
811212	132-12.480	ADTRAN	1100AS588105N	ProCare SITE NBD PRIV LABEL 1YR	NRC	$ 330.07
811212	132-12.481	ADTRAN	1100AS588106N	ProCare SITE NBD PRIV LABEL 1YR	NRC	$ 380.83
811212	132-12.482	ADTRAN	1100AS588107N	ProCare SITE NBD PRIV LABEL 1YR	NRC	$ 598.49
811212	132-12.483	ADTRAN	1100AS588108N	ProCare SITE NBD PRIV LABEL 1YR	NRC	$ 995.06
811212	132-12.484	ADTRAN	1100AS588109N	ProCare SITE NBD PRIV LABEL 1YR	NRC	$ 1,194.56
811212	132-12.485	ADTRAN	1100AS588150N	ProCare 5X8XNBD ON	NRC	$ 374.66
811212	132-12.486	ADTRAN	1100AS588151N	ProCare 5X8XNBD ON	NRC	$ 569.11

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/IFF
811212	132-12.487	ADTRAN	1100AS588350N	ProCare 5X8XNBD ON	NRC	$ 1,012.60
811212	132-12.488	ADTRAN	1100AS588351N	ProCare 5X8XNBD ON	NRC	$ 1,536.59
811212	132-12.489	ADTRAN	1100AS588550N	ProCare 5X8XNBD ON	NRC	$ 1,687.17
811212	132-12.490	ADTRAN	1100AS588551N	ProCare 5X8XNBD ON	NRC	$ 2,560.99
811212	132-12.491	ADTRAN	1100AS599114N	ProCare 5X8XNBD ON	NRC	$ 66.50
811212	132-12.492	ADTRAN	1100AS599115N	ProCare 5X8XNBD ON	NRC	$ 444.95
811212	132-12.493	ADTRAN	1100AS744102N	ProCare SITE 7X24X4 PRIV LABEL 1Y	NRC	$ 177.74
811212	132-12.494	ADTRAN	1100AS744103N	ProCare SITE 7X24X4 PRIV LABEL 1Y	NRC	$ 244.23
811212	132-12.495	ADTRAN	1100AS744104N	ProCare SITE 7X24X4 PRIV LABEL 1Y	NRC	$ 362.75
811212	132-12.496	ADTRAN	1100AS744105N	ProCare SITE 7X24X4 PRIV LABEL 1Y	NRC	$ 421.96
811212	132-12.497	ADTRAN	1100AS744106N	ProCare SITE 7X24X4 PRIV LABEL 1Y	NRC	$ 487.29
811212	132-12.498	ADTRAN	1100AS744107N	ProCare SITE 7X24X4 PRIV LABEL 1Y	NRC	$ 823.38
811212	132-12.499	ADTRAN	1100AS744108N	ProCare SITE 7X24X4 PRIV LABEL 1Y	NRC	$ 1,393.99
811212	132-12.500	ADTRAN	1100AS744109N	ProCare SITE 7X24X4 PRIV LABEL 1Y	NRC	$ 1,660.15
811212	132-12.501	ADTRAN	1100AS744111N	ProCare 7X24X4 ON	NRC	$ 2,218.74
811212	132-12.502	ADTRAN	1100AS744114N	ProCare 7X24X4 ON	NRC	$ 93.09
811212	132-12.503	ADTRAN	1100AS744115N	ProCare 7X24X4 ON	NRC	$ 569.51
811212	132-12.504	ADTRAN	1100AS744150N	ProCare 7X24X4 ON	NRC	$ 525.25
811212	132-12.505	ADTRAN	1100AS744151N	ProCare 7X24X4 ON	NRC	$ 796.75
811212	132-12.506	ADTRAN	1100AS744350N	ProCare 7X24X4 ON	NRC	$ 1,416.88
811212	132-12.507	ADTRAN	1100AS744351N	ProCare 7X24X4 ON	NRC	$ 2,152.14
811212	132-12.508	ADTRAN	1100AS744550N	ProCare 7X24X4 ON	NRC	$ 2,361.85
811212	132-12.509	ADTRAN	1100AS744551N	ProCare 7X24X4 ON	NRC	$ 3,585.38
811212	132-12.510	ADTRAN	1100QS590114N	ProCare SPARING 5X8XNBD 1YR	NRC	$ 38.69
811212	132-12.511	ADTRAN	1100QS590115N	ProCare SPARING 5X8XNBD 1YR	NRC	$ 274.47
811212	132-12.512	ADTRAN	1100QS740114N	ProCare SPARING 7X24X4 1YR	NRC	$ 59.25
811212	132-12.513	ADTRAN	1100QS740115N	ProCare SPARING 7X24X4 1YR	NRC	$ 369.96
811212	132-12.514	ADTRAN	1100QS744103N	ProCare 7X24X4 ON	NRC	$ 96.73
811212	132-12.515	ADTRAN	1100QS744106N	ProCare 7X24X4 ON	NRC	$ 151.12
811212	132-12.608	ADTRAN	1100AM588150N	ProCare 5X8XNBD ON	NRC	$ 374.66
811212	132-12.609	ADTRAN	1100AM588151N	ProCare 5X8XNBD ON	NRC	$ 569.11
811212	132-12.610	ADTRAN	1100AM588350N	ProCare 5X8XNBD ON	NRC	$ 1,012.60
811212	132-12.611	ADTRAN	1100AM588351N	ProCare 5X8XNBD ON	NRC	$ 1,536.59
811212	132-12.626	ADTRAN	1100AM744150N	ProCare 7X24X4 ON	NRC	$ 525.25
811212	132-12.627	ADTRAN	1100AM744151N	ProCare 7X24X4 ON	NRC	$ 796.75
811212	132-12.630	ADTRAN	1100AM744350N	ProCare 7X24X4 ON	NRC	$ 1,416.88
811212	132-12.631	ADTRAN	1100AM744351N	ProCare 7X24X4 ON	NRC	$ 2,152.14
811212	132-12.649	ADTRAN	1100AS580124N	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 106.40
811212	132-12.650	ADTRAN	1100AS580128N	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 116.07
811212	132-12.651	ADTRAN	1100AS580129N	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 126.96
811212	132-12.652	ADTRAN	1100AS580130N	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 258.76
811212	132-12.653	ADTRAN	1100AS580131N	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 292.59
811212	132-12.654	ADTRAN	1100AS580231N	ProCare SITE NBD PRIVATE LABEL 2Y	NRC	$ 585.19
811212	132-12.655	ADTRAN	1100AS580331N	ProCare 5X8XNBD PRIVATE LABEL 3YR	NRC	$ 790.72
811212	132-12.656	ADTRAN	1100AS589124N	ProCare 5X8XNBD ON	NRC	$ 191.02
811212	132-12.657	ADTRAN	1100AS589128N	ProCare 5X8XNBD ON	NRC	$ 209.15
811212	132-12.658	ADTRAN	1100AS589129N	ProCare SITE NBD PRIVATE LABEL 1Y	NRC	$ 158.39
811212	132-12.659	ADTRAN	1100AS589130N	ProCare SITE NBD PRIVATE LABEL 1Y	NRC	$ 324.02
811212	132-12.660	ADTRAN	1100AS589131N	ProCare SITE NBD PRIVATE LABEL 1Y	NRC	$ 515.09
811212	132-12.661	ADTRAN	1100AS589231N	ProCare SITE NBD PRIVATE LABEL 2Y	NRC	$ 1,030.18
811212	132-12.662	ADTRAN	1100AS589331N	ProCare SITE NBD PRIVATE LABEL 3Y	NRC	$ 1,390.46
811212	132-12.663	ADTRAN	1100AS740124N	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 158.39
811212	132-12.664	ADTRAN	1100AS740128N	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 174.11
811212	132-12.665	ADTRAN	1100AS740129N	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 203.14
811212	132-12.666	ADTRAN	1100AS740130N	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 395.35
811212	132-12.667	ADTRAN	1100AS740131N	ProCare 7X24X4 PRIVATE LABEL 1YR	NRC	$ 447.36
811212	132-12.668	ADTRAN	1100AS740231N	ProCare 7X24X4 PRIVATE LABEL 2YR	NRC	$ 893.49
811212	132-12.669	ADTRAN	1100AS740331N	ProCare 7X24X4 PRIVATE LABEL 3YR	NRC	$ 1,205.50
811212	132-12.670	ADTRAN	1100AS744124N	ProCare SITE 7X24X4 PRVTE LBL 1YR	NRC	$ 244.23
811212	132-12.671	ADTRAN	1100AS744128N	ProCare SITE 7X24X4 PRIVATE LABEL	NRC	$ 139.34
811212	132-12.672	ADTRAN	1100AS744129N	ProCare SITE 7X24X4 PRIVATE LABEL	NRC	$ 253.90
811212	132-12.673	ADTRAN	1100AS744130N	ProCare SITE 7X24X4 PRIVATE LABEL	NRC	$ 517.52
811212	132-12.674	ADTRAN	1100AS744131N	ProCare SITE 7X24X4 PRVATE LBL 1Y	NRC	$ 609.39
811212	132-12.675	ADTRAN	1100AS744231N	ProCare SITE 7X24X4 PRVATE LBL 2Y	NRC	$ 1,217.48
811212	132-12.676	ADTRAN	1100AS744331N	ProCare SITE 7X24X4 PRVATE LBL 3Y	NRC	$ 1,644.43
811212	132-12.729	ADTRAN	1100201M1	ProCare 5X8XNBD 1YR	NRC	$ 85.37
811212	132-12.730	ADTRAN	1100201M2	ProCare 5X8XNBD 1YR	NRC	$ 100.79

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/IFF
811212	132-12.731	ADTRAN	1100201M3	ProCare 5X8XNBD 1YR	NRC	$ 142.29
811212	132-12.732	ADTRAN	1100201M5	ProCare 5X8XNBD 1YR	NRC	$ 256.10
811212	132-12.738	ADTRAN	1100201M7	ProCare 5X8XNBD 1YR	NRC	$ 461.22
811212	132-12.739	ADTRAN	1100201M9	ProCare 5X8XNBD 1YR	NRC	$ 1,650.41
811212	132-12.740	ADTRAN	1100202M1	ProCare 7X24X4 1YR	NRC	$ 128.06
811212	132-12.741	ADTRAN	1100202M2	ProCare 7X24X4 1YR	NRC	$ 149.41
811212	132-12.742	ADTRAN	1100202M3	ProCare 7X24X4 1YR	NRC	$ 190.89
811212	132-12.743	ADTRAN	1100202M5	ProCare 7X24X4 1YR	NRC	$ 341.46
811212	132-12.745	ADTRAN	1100202M7	ProCare 7X24X4 1YR	NRC	$ 615.36
811212	132-12.746	ADTRAN	1100202M9	ProCare 7X24X4 1YR	NRC	$ 2,200.55
811212	132-12.747	ADTRAN	1100203M1	ProCare 5X8XNBD ON	NRC	$ 137.54
811212	132-12.748	ADTRAN	1100203M2	ProCare 5X8XNBD ON	NRC	$ 189.70
811212	132-12.749	ADTRAN	1100203M3	ProCare 5X8XNBD ON	NRC	$ 218.16
811212	132-12.750	ADTRAN	1100203M5	ProCare 5X8XNBD ON	NRC	$ 426.83
811212	132-12.752	ADTRAN	1100203M7	ProCare 5X8XNBD ON	NRC	$ 768.30
811212	132-12.753	ADTRAN	1100203M9	ProCare 5X8XNBD ON	NRC	$ 2,750.69
811212	132-12.761	ADTRAN	1100205M1	ProCare 7X24X4 ON	NRC	$ 222.90
811212	132-12.762	ADTRAN	1100205M2	ProCare 7X24X4 ON	NRC	$ 298.78
811212	132-12.763	ADTRAN	1100205M3	ProCare 7X24X4 ON	NRC	$ 364.01
811212	132-12.764	ADTRAN	1100205M5	ProCare 7X24X4 ON	NRC	$ 601.17
811212	132-12.766	ADTRAN	1100205M7	ProCare 7X24X4 ON	NRC	$ 1,057.59
811212	132-12.767	ADTRAN	1100205M9	ProCare 7X24X4 ON	NRC	$ 3,850.97
811212	132-12.768	ADTRAN	1100301M1	ProCare 5X8XNBD 3YR	NRC	$ 231.22
811212	132-12.769	ADTRAN	1100301M2	ProCare 5X8XNBD 3YR	NRC	$ 270.33
811212	132-12.770	ADTRAN	1100301M3	ProCare 5X8XNBD 3YR	NRC	$ 380.60
811212	132-12.771	ADTRAN	1100301M5	ProCare 5X8XNBD 3YR	NRC	$ 691.25
811212	132-12.777	ADTRAN	1100301M7	ProCare 5X8XNBD 3YR	NRC	$ 1,246.19
811212	132-12.778	ADTRAN	1100301M9	ProCare 5X8XNBD 3YR	NRC	$ 4,455.64
811212	132-12.779	ADTRAN	1100302M1	ProCare 7X24X4 3YR	NRC	$ 346.21
811212	132-12.780	ADTRAN	1100302M2	ProCare 7X24X4 3YR	NRC	$ 401.95
811212	132-12.781	ADTRAN	1100302M3	ProCare 7X24X4 3YR	NRC	$ 514.59
811212	132-12.782	ADTRAN	1100302M5	ProCare 7X24X4 3YR	NRC	$ 922.45
811212	132-12.784	ADTRAN	1100302M7	ProCare 7X24X4 3YR	NRC	$ 1,659.90
811212	132-12.785	ADTRAN	1100302M9	ProCare 7X24X4 3YR	NRC	$ 5,941.49
811212	132-12.786	ADTRAN	1100303M1	ProCare 5X8XNBD ON	NRC	$ 367.58
811212	132-12.787	ADTRAN	1100303M2	ProCare 5X8XNBD ON	NRC	$ 512.20
811212	132-12.788	ADTRAN	1100303M3	ProCare 5X8XNBD ON	NRC	$ 586.93
811212	132-12.789	ADTRAN	1100303M5	ProCare 5X8XNBD ON	NRC	$ 1,152.44
811212	132-12.791	ADTRAN	1100303M7	ProCare 5X8XNBD ON	NRC	$ 2,075.06
811212	132-12.792	ADTRAN	1100303M9	ProCare 5X8XNBD ON	NRC	$ 7,426.86
811212	132-12.800	ADTRAN	1100305M1	ProCare 7X24X4 ON	NRC	$ 599.97
811212	132-12.801	ADTRAN	1100305M2	ProCare 7X24X4 ON	NRC	$ 807.44
811212	132-12.802	ADTRAN	1100305M3	ProCare 7X24X4 ON	NRC	$ 981.70
811212	132-12.803	ADTRAN	1100305M5	ProCare 7X24X4 ON	NRC	$ 1,624.37
811212	132-12.805	ADTRAN	1100305M7	ProCare 7X24X4 ON	NRC	$ 2,855.29
811212	132-12.806	ADTRAN	1100305M9	ProCare 7X24X4 ON	NRC	$ 10,398.71
811212	132-12.807	ADTRAN	1100206M1	ProCare 5X8XNBD SPARING 1YR	NRC	$ 66.50
811212	132-12.808	ADTRAN	1100206M2	ProCare 5X8XNBD SPARING 1YR	NRC	$ 77.38
811212	132-12.809	ADTRAN	1100206M3	ProCare 5X8XNBD SPARING 1YR	NRC	$ 110.02
811212	132-12.810	ADTRAN	1100206M5	ProCare 5X8XNBD SPARING 1YR	NRC	$ 180.15
811212	132-12.811	ADTRAN	1100206M50	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 395.37
811212	132-12.812	ADTRAN	1100206M51	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 594.89
811212	132-12.813	ADTRAN	1100206M52	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 661.36
811212	132-12.814	ADTRAN	1100206M53	ProCare 5X8XNBD PRIVATE LABEL 1YR	NRC	$ 727.83
811212	132-12.815	ADTRAN	1100206M6	ProCare 5X8XNBD SPARING 1YR	NRC	$ 220.04
811212	132-12.816	ADTRAN	1100206M7	ProCare 5X8XNBD SPARING 1YR	NRC	$ 359.09
811212	132-12.817	ADTRAN	1100206M9	ProCare 5X8XNBD SPARING 1YR	NRC	$ 1,157.08
811212	132-12.818	ADTRAN	1100207M1	ProCare 7X24X4 SPARING 1YR	NRC	$ 100.35
811212	132-12.819	ADTRAN	1100207M2	ProCare 7X24X4 SPARING 1YR	NRC	$ 116.08
811212	132-12.820	ADTRAN	1100207M3	ProCare 7X24X4 SPARING 1YR	NRC	$ 148.72
811212	132-12.821	ADTRAN	1100207M5	ProCare 7X24X4 SPARING 1YR	NRC	$ 239.40
811212	132-12.822	ADTRAN	1100207M6	ProCare 7X24X4 SPARING 1YR	NRC	$ 292.59
811212	132-12.823	ADTRAN	1100207M7	ProCare 7X24X4 SPARING 1YR	NRC	$ 478.79
811212	132-12.824	ADTRAN	1100207M9	ProCare 7X24X4 SPARING 1YR	NRC	$ 1,542.77
811212	132-12.825	ADTRAN	1100216M1	ProCare PREMIERSERV 5X8XNBD 1YR	NRC	$ 106.41
811212	132-12.826	ADTRAN	1100216M2	ProCare PREMIERSERV 5X8XNBD 1YR	NRC	$ 148.72
811212	132-12.827	ADTRAN	1100216M3	ProCare PREMIERSERV 5X8XNBD 1YR	NRC	$ 169.27

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/IFF
811212	132-12.828	ADTRAN	1100216M5	ProCare PREMIERSERV 5X8XNBD 1YR	NRC	$ 299.83
811212	132-12.829	ADTRAN	1100216M6	ProCare PREMIERSERV 5X8XNBD 1YR	NRC	$ 366.35
811212	132-12.830	ADTRAN	1100216M7	ProCare PREMIERSERV 5X8XNBD 1YR	NRC	$ 598.49
811212	132-12.831	ADTRAN	1100216M9	ProCare PREMIERSERV 5X8XNBD 1YR	NRC	$ 1,928.46
811212	132-12.832	ADTRAN	1100218M1	ProCare PREMIERSERV 7X24X4 1YR	NRC	$ 172.90
811212	132-12.833	ADTRAN	1100218M2	ProCare PREMIERSERV 7X24X4 1YR	NRC	$ 233.35
811212	132-12.834	ADTRAN	1100218M3	ProCare PREMIERSERV 7X24X4 1YR	NRC	$ 282.92
811212	132-12.835	ADTRAN	1100218M5	ProCare PREMIERSERV 7X24X4 1YR	NRC	$ 421.99
811212	132-12.836	ADTRAN	1100218M6	ProCare PREMIERSERV 7X24X4 1YR	NRC	$ 542.88
811212	132-12.837	ADTRAN	1100218M7	ProCare PREMIERSERV 7X24X4 1YR	NRC	$ 823.38
811212	132-12.838	ADTRAN	1100218M9	ProCare PREMIERSERV 7X24X4 1YR	NRC	$ 2,699.85

3.2.2 Aruba Maintenance and Repair

MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
811212	132-12.2452	Aruba	H9XQ6E	Aruba 1Y FC 24x7 ClearPass NL AC 5KCESVC	NRC	$ 5,279.32
811212	132-12.2453	Aruba	H9UJ8E	Aruba 1Y FC NBD Exch CP C2k DL20 AppISVC	NRC	$ 2,376.54
811212	132-12.2455	Aruba	H5AJ1E	Aruba 1Y FC NBD Exch AW DL360 ENT SVC	NRC	$ 9,896.61
811212	132-12.2459	Aruba	U8EL3E	HPE 1Y FC 24x7 527 802.11ac SVC	NRC	$ 36.78
811212	132-12.2463	Aruba	U4TR7E	HPE 1Y FC 24x7 850 WLAN Controller SVC	NRC	$ 2,976.34
811212	132-12.2464	Aruba	U1RP4E	HPE 1Y FC 24x7 870 WLAN Controller SVC	NRC	$ 6,068.68
811212	132-12.2467	Aruba	U3TL4E	HPE 1Y FC 24x7 MSM46x AP SVC	NRC	$ 102.79
811212	132-12.2468	Aruba	U3TM0E	HPE 1Y FC 24x7 MSM720 Access Contr SVC	NRC	$ 485.68
811212	132-12.2477	Aruba	U8EL1E	HPE 1Y FC 4H Exch 527 802.11ac SVC	NRC	$ 29.24
811212	132-12.2481	Aruba	U4TR4E	HPE 1Y FC 4H Exch 850 WLAN Cntrlr SVC	NRC	$ 2,373.71
811212	132-12.2482	Aruba	U1RQ0E	HPE 1Y FC 4H Exch 870 WL Controller SVC	NRC	$ 4,807.79
811212	132-12.2485	Aruba	U3UF8E	HPE 1Y FC 4H Exch MSM46x AP SVC	NRC	$ 77.33
811212	132-12.2486	Aruba	U3UG4E	HPE 1Y FC 4H Exch MSM720 A Contr SVC	NRC	$ 362.14
811212	132-12.2495	Aruba	U8EL4E	HPE 1Y FC CTR 527 802.11ac SVC	NRC	$ 60.36
811212	132-12.2499	Aruba	U4TR9E	HPE 1Y FC CTR 850 WLAN Controller SVC	NRC	$ 4,775.72
811212	132-12.2500	Aruba	U1RQ5E	HPE 1Y FC CTR 870 WLAN Controller SVC	NRC	$ 9,828.71
811212	132-12.2503	Aruba	U3TT2E	HPE 1Y FC CTR MSM46x AP SVC	NRC	$ 152.78
811212	132-12.2504	Aruba	U3TT8E	HPE 1Y FC CTR MSM720 Access Contr SVC	NRC	$ 725.22
811212	132-12.2513	Aruba	U8EL2E	HPE 1Y FC NBD 527 802.11ac SVC	NRC	$ 23.58
811212	132-12.2517	Aruba	U4TR5E	HPE 1Y FC NBD 850 WLAN Controller SVC	NRC	$ 1,904.06
811212	132-12.2518	Aruba	U1RS4E	HPE 1Y FC NBD 870 WLAN Controller SVC	NRC	$ 3,826.99

3.2.3 Uplogix Maintenance and Repair

MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
811212	132-12.1773	Uplogix	61-5900-01M1	Upgrade Base vLMS to Uplogix500—Maint 1Y	NRC	$ 214.87
811212	132-12.2530	Uplogix	83X-16SAM1	Maintenance and Support – 1 YR (83X-16SA)	NRC	$ 1,479.78
811212	132-12.2531	Uplogix	83X-16SAM3	Maintenance and Support – 3 YR (83X-16SA)	NRC	$ 3,972.05
811212	132-12.2532	Uplogix	83X-8EAM1	Maintenance and Support – 1 YR (83X-8EA)	NRC	$ 145.74
811212	132-12.2533	Uplogix	83X-8EAM3	Maintenance and Support – 3 YR (83X-8EA)	NRC	$ 391.19
811212	132-12.2552	Uplogix	88-FIBERSMAM1	Maintenance and Support – 1 YR (88-FIBERSMA)	NRC	$ 25.22
811212	132-12.2553	Uplogix	88-FIBERSMAM3	Maintenance and Support – 3 YR (88-FIBERSMA)	NRC	$ 67.71

3.2.4 Ciena Maintenance and Repair

MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
811212	132-12.2604	Ciena	80M-3926-SM1	Ciena 80M-3926-SM1	NRC	$ 84.43
811212	132-12.2605	Ciena	80M-3926-SM2	Ciena 80M-3926-SM2	NRC	$ 164.86
811212	132-12.2606	Ciena	80M-3926-SM3	Ciena 80M-3926-SM3	NRC	$ 247.28
811212	132-12.2607	Ciena	80M-3926-SM4	Ciena 80M-3926-SM4	NRC	$ 329.71
811212	132-12.2608	Ciena	80M-3926-SM5	Ciena 80M-3926-SM5	NRC	$ 412.14
811212	132-12.2609	Ciena	80M-3926-SSP-COM	Ciena 80M-3926-SSP-COM	NRC	$ 1.15
811212	132-12.2610	Ciena	80M-3926-SSP-PREM	Ciena 80M-3926-SSP-PREM	NRC	$ 1.15
811212	132-12.2611	Ciena	80M-3926-SSP-SEL	Ciena 80M-3926-SSP-SEL	NRC	$ 1.15
811212	132-12.2612	Ciena	80M-5170-SSP-PREM	Ciena 80M-5170-SSP-PREM	NRC	$ 1.15
811212	132-12.2559	Ciena	80M-6500-2AR	Ciena 80M-6500-2AR	NRC	$ 1.15
811212	132-12.2560	Ciena	80M-6500-4AR	Ciena 80M-6500-4AR	NRC	$ 1.15
811212	132-12.2561	Ciena	80M-6500-ASRS	Ciena 80M-6500-ASRS	NRC	$ 1.15

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
811212	132-12.2562	Ciena	80M-6500-HWM	Ciena 80M-6500-HWM	NRC	$ 1.15
811212	132-12.2563	Ciena	80M-6500-NAR	Ciena 80M-6500-NAR	NRC	$ 1.15
811212	132-12.2564	Ciena	80M-6500-NBS	Ciena 80M-6500-NBS	NRC	$ 1.15
811212	132-12.2565	Ciena	80M-6500R-4AR	Ciena 80M-6500R-4AR	NRC	$ 1.15
811212	132-12.2566	Ciena	80M-6500R-DAR	Ciena 80M-6500R-DAR	NRC	$ 1.15
811212	132-12.2567	Ciena	80M-6500R-NAR	Ciena 80M-6500R-NAR	NRC	$ 1.15
811212	132-12.2568	Ciena	80M-6500R-NBS	Ciena 80M-6500R-NBS	NRC	$ 1.15
811212	132-12.2613	Ciena	80M-6500R-SSP-COM	Ciena 80M-6500R-SSP-COM	NRC	$ 1.15
811212	132-12.2614	Ciena	80M-6500R-SSP-COMP	Ciena 80M-6500R-SSP-COMP	NRC	$ 1.15
811212	132-12.2615	Ciena	80M-6500R-SSP-ESS	Ciena 80M-6500R-SSP-ESS	NRC	$ 1.15
811212	132-12.2616	Ciena	80M-6500R-SSP-PREM	Ciena 80M-6500R-SSP-PREM	NRC	$ 1.15
811212	132-12.2617	Ciena	80M-6500R-SSP-SEL	Ciena 80M-6500R-SSP-SEL	NRC	$ 1.15
811212	132-12.2618	Ciena	80M-6500-SSP-COM	Ciena 80M-6500-SSP-COM	NRC	$ 1.15
811212	132-12.2619	Ciena	80M-6500-SSP-PREM	Ciena 80M-6500-SSP-PREM	NRC	$ 1.15
811212	132-12.2620	Ciena	80M-6500-SSP-SEL	Ciena 80M-6500-SSP-SEL	NRC	$ 1.15
811212	132-12.2569	Ciena	80M-8700-4AR	Ciena 80M-8700-4AR	NRC	$ 1.15
811212	132-12.2570	Ciena	80M-8700-NAR	Ciena 80M-8700-NAR	NRC	$ 1.15
811212	132-12.2571	Ciena	80M-8700-NBS	Ciena 80M-8700-NBS	NRC	$ 1.15
811212	132-12.2572	Ciena	80M-8704-4AR	Ciena 80M-8704-4AR	NRC	$ 1.15
811212	132-12.2573	Ciena	80M-8704-NBS	Ciena 80M-8704-NBS	NRC	$ 1.15
811212	132-12.2574	Ciena	80M-8710-4AR	Ciena 80M-8710-4AR	NRC	$ 1.15
811212	132-12.2575	Ciena	80M-8710-NBS	Ciena 80M-8710-NBS	NRC	$ 1.15
811212	132-12.2621	Ciena	80M-MCPBAG-PREM	Ciena 80M-MCPBAG-PREM	NRC	$ 1.15
811212	132-12.2622	Ciena	80M-MCPBA-PREM	Ciena 80M-MCPBA-PREM	NRC	$ 1.15
811212	132-12.2623	Ciena	80M-MCPPLET-COM	Ciena 80M-MCPPLET-COM	NRC	$ 1.15
811212	132-12.2577	Ciena	80M-RENEWAL-FEE	Ciena 80M-RENEWAL-FEE	NRC	$ 1.15
811212	132-12.2578	Ciena	80M-WSAI-NBS	Ciena 80M-WSAI-NBS	NRC	$ 1.15
811212	132-12.2624	Ciena	80M-WSAI-SSP-COM	Ciena 80M-WSAI-SSP-COM	NRC	$ 1.15
811212	132-12.2579	Ciena	80P-NMS0-MCP-V	Ciena 80P-NMS0-MCP-V	NRC	$ 10,649.23
811212	132-12.2581	Ciena	8N0-PRMU-07F	Ciena 8N0-PRMU-07F	NRC	$ 9,083.84
811212	132-12.2583	Ciena	8N0-ULFT-I2544	Ciena 8N0-ULFT-I2544	NRC	$ 937.31
811212	132-12.2586	Ciena	8NP-ULFT-CP02	Ciena 8NP-ULFT-CP02	NRC	$ 282.19
811212	132-12.2587	Ciena	8NP-ULFT-DCN1	Ciena 8NP-ULFT-DCN1	NRC	$ 401.90
811212	132-12.2633	Ciena	80M-MCPBA-COM	Ciena 80M-MCPBA-COM	NRC	$ 1.15
811212	132-12.2631	Ciena	80M-8114-4AR	Ciena 80M-8114-4AR	NRC	$ 1.15
811212	132-12.2632	Ciena	80M-8114-SSP-COM	Ciena 80M-8114-SSP-COM	NRC	$ 1.15
811212	132-12.2625	Ciena	80M-6500R-HWM	Ciena 80M-6500R-HWM	NRC	$ 1.15
811212	132-12.2626	Ciena	803-MNGD-PRM	Ciena 803-MNGD-PRM	NRC	$ 1.15
811212	132-12.2627	Ciena	TRN-RLS11-F2F-STD-CLNT	Ciena TRN-RLS11-F2F-STD-CLNT	NRC	$ 1.15
811212	132-12.2628	Ciena	TRN-RLS12-F2F-STD-CLNT	Ciena TRN-RLS12-F2F-STD-CLNT	NRC	$ 1.15
811212	132-12.2629	Ciena	TRN-RLS13-F2F-STD-CLNT	Ciena TRN-RLS13-F2F-STD-CLNT	NRC	$ 1.15
811212	132-12.2630	Ciena	803-RENG-FTO	Ciena 803-RENG-FTO	NRC	$ 1.15
811212	132-12.2634	Ciena	80M5171-HWM	Ciena 80M5171-HWM	NRC	$ 1.15
811212	132-12.2635	Ciena	80M-5171-SSP-COM	Ciena 80M5171-SSP-COM	NRC	$ 1.15

3.3 MULTIPLE AWARD SCHEDULE (MAS) SIN 511210 DESCRIPTION OF SOFTWARE LICENSE

3.3.1 Ciena Software Licenses

MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price with IFF
511210	132-32.69	Ciena	K74-RLS-LIC010000	Ciena K74-RLS-LIC010000	NRC	$ 83.84
511210	132-32.70	Ciena	NTK560CK	Ciena NTK560CK	NRC	$ 377.27
511210	132-32.71	Ciena	NTK560CU	Ciena NTK560CU	NRC	$ 1,370.76
511210	132-32.72	Ciena	NTK560FE	Ciena NTK560FE	NRC	$ 628.79
511210	132-32.73	Ciena	NTK560FT	Ciena NTK560FT	NRC	$ 272.48
511210	132-32.74	Ciena	NTK560FU	Ciena NTK560FU	NRC	$ 341.64
511210	132-32.78	Ciena	S70-0042-902	Ciena S70-0042-902	NRC	$ 370.88
511210	132-32.79	Ciena	S70-0042-903	Ciena S70-0042-903	NRC	$ 249.33
511210	132-32.80	Ciena	S70-0042-905	Ciena S70-0042-905	NRC	$ 370.88
511210	132-32.81	Ciena	S70-0042-906	Ciena S70-0042-906	NRC	$ 59.21
511210	132-32.82	Ciena	S71-3926-904	Ciena S71-3926-904	NRC	$ 370.88
511210	132-32.83	Ciena	S71-3926-905	Ciena S71-3926-905	NRC	$ 249.33
511210	132-32.84	Ciena	S71-3926-906	Ciena S71-3926-906	NRC	$ 370.88
511210	132-32.85	Ciena	S71-3926-910	Ciena S71-3926-910	NRC	$ 59.21
511210	132-32.86	Ciena	S74-LIC-NTK560JM	Ciena S74-LIC-NTK560JM	NRC	$ 381.47
511210	132-32.87	Ciena	S74-LIC-NTK560JN	Ciena S74-LIC-NTK560JN	NRC	$ 534.47

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511210	132-32.88	Ciena	S74-LIC-NTK569MU	Ciena S74-LIC-NTK569MU	NRC	$ 0.40
511210	132-32.91	Ciena	S74-LIC-RLS020300	Ciena S74-LIC-RLS020300	NRC	$ 188.64
511210	132-32.92	Ciena	S74-LIC-RLS020400	Ciena S74-LIC-RLS020400	NRC	$ 188.64
511210	132-32.93	Ciena	S75-LIC-392610GS-P	Ciena S75-LIC-392610GS-P	NRC	$ 370.88
511210	132-32.94	Ciena	S75-LIC-3926BNDL01-P	Ciena S75-LIC-3926BNDL01-P	NRC	$ 1,576.99
511210	132-32.95	Ciena	S75-LIC-3926BNDL01-T	Ciena S75-LIC-3926BNDL01-T	NRC	$ 0.51
511210	132-32.96	Ciena	S75-LIC-3926EO-P	Ciena S75-LIC-3926EO-P	NRC	$ 526.71
511210	132-32.97	Ciena	S75-LIC-3926MPLS-P	Ciena S75-LIC-3926MPLS-P	NRC	$ 370.88
511210	132-32.98	Ciena	S75-LIC-3926SEC-P	Ciena S75-LIC-3926SEC-P	NRC	$ 59.21
511210	132-32.99	Ciena	S75-LIC-3926SYNC-P	Ciena S75-LIC-3926SYNC-P	NRC	$ 249.33
511210	132-32.108	Ciena	S16-LIC-MCPBAET0700	Ciena S16-LIC-MCPBAET0700	NRC	$ 1.15
511210	132-32.109	Ciena	S16-RTU-MCPBA	Ciena S16-RTU-MCPBA	NRC	$ 1.15
511210	132-32.110	Ciena	S16-RTU-MCPBAET	Ciena S16-RTU-MCPBAET	NRC	$ 1.15
511210	132-32.111	Ciena	S75-LIC-8114EO-P	Ciena S75-LIC-8114EO-P	NRC	$ 11,297.33
511210	132-32.112	Ciena	S75-LIC-8114EVPN-P	Ciena S75-LIC-8114EVPN-P	NRC	$ 1,760.47
511210	132-32.113	Ciena	S75-LIC-8114MPLS-P	Ciena S75-LIC-8114MPLS-P	NRC	$ 8,523.08
511210	132-32.114	Ciena	S75-LIC-8114SEC-P	Ciena S75-LIC-8114SEC-P	NRC	$ 151.76
511210	132-32.101	Ciena	S16-RTU-MCPPLGET-COM	Ciena S16-RTU-MCPPLGET-COM	NRC	$ 1.15
511210	132-32.102	Ciena	S74-LIC-NTK800BC	Ciena S74-LIC-NTK800BC	NRC	$ 160.20
511210	132-32.103	Ciena	S74-LIC-NTK800BF	Ciena S74-LIC-NTK800BF	NRC	$ 160.20
511210	132-32.104	Ciena	S74-LIC-NTK800BG	Ciena S74-LIC-NTK800BG	NRC	$ 160.20
511210	132-32.105	Ciena	S74-LIC-NTK800BS	Ciena S74-LIC-NTK800BS	NRC	$ 1,602.02
511210	132-32.106	Ciena	S74-LIC-RLS020600	Ciena S74-LIC-RLS020600	NRC	$ 188.64
511210	132-32.107	Ciena	S74-LIC-NTK569QC	Ciena S74-LIC-NTK569QC	NRC	$ .40

3.4 MULTIPLE AWARD SCHEDULE (MAS) SIN 518210C CLOUD COMPUTING SERVICES PRODUCTS AND PRICING

3.4.1 Lumen Cloud Computing

MAS SIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
518210C	Lumen	132-40.136	Cloud Application Manager (CAM)	MRC	$ 0.06
518210C	Lumen	132-40.137	Cloud Application Manager (CAM)	MRC	$ 24.12
518210C	Lumen	132-40.138	Cloud Application Manager (CAM)	MRC	$ 45.07
518210C	Lumen	132-40.139	Cloud Application Manager (CAM)	MRC	$ 24.12
518210C	Lumen	132-40.140	Cloud Application Manager (CAM)	MRC	$ 430.37
518210C	Lumen	132-40.141	Cloud Application Manager (CAM)	MRC	$ 24.12
518210C	Lumen	132-40.142	Cloud Application Manager (CAM)	MRC	$ 390.38

3.4.2 Intact ReAccess

MAS SIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
518210C	Intact	PL-GOV-PRO-10	ReAccess Government Rapid Requirements Prototype Solution	MRC	$ 584.51
518210C	Intact	PL-GOV-DPOR-100	ReAccess Government DPOR	MRC	$ 3,438.29
518210C	Intact	PL-GOV-STD-100	ReAccess Government Standard Compute	MRC	$ 7,502.76
518210C	Intact	PL-GOV-INT-100	ReAccess Government Intense Compute	MRC	$ 10,559.60
518210C	Intact	PL-GOV-ADS-10	ReAccess/PowerLine Government 100GB	MRC	$ 24.56
518210C	Intact	PL-GOV-ABS-1000	ReAccess/PowerLine Government 1TB	MRC	$ 245.59
518210C	Intact	PL-GOV-RU-200	ReAccess/PowerLine Government +200 RU	MRC	$ 240.69
518210C	Intact	PL-GOV- RU-400	ReAccess/PowerLine Government Intense 4,000RU	MRC	$ 461.42
518210C	Intact	PL-GOV- SEAT- 100	ReAccess/PowerLine Government 100	MRC	$ 2,455.92
518210C	Intact	RA-DEC- SRV-16	ReAccess Standard Decoder Services	NRC	$ 1,964.74
518210C	Intact	RA-DEC- SRV-80	ReAccess Complex Decoder Services	NRC	$ 9,745.13
518210C	Intact	RA-LAD- SRV-8	ReAccess Rapid DevOps LAD/D Services	NRC	$ 1,030.50
518210C	Intact	RA-LAD- TRN-8	ReAccess Rapid DevOps Training	NRC	$ 2,455.92
518210C	Intact	AS-ADD- HRS-1	Add ReAccess/PowerLine & LAD/D Support per unit (hr).	NRC	$ 125.94
518210C	Intact	RA-APS-LVL-1	App Services Level 1 – Standard	MRC	$ 2,413.30
518210C	Intact	RA-APS-LVL-2	App Services Level 2 – Deluxe	MRC	$ 4,795.20
518210C	Intact	RA-APS-LVL-3	App Services Leve 3 – Complex	MRC	$ 9,595.20
518210C	Intact	PL-GOV-STP-1	PowerLine Gov Tenant Setup	NRC	$ 12,085.84
518210C	Intact	PL-GOV-HOL-2	Hololens2 Mixed Reality Solution	MRC	$ 10,151.34

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3.5 MULTIPLE AWARD SCHEDULE (MAS) SIN 611420 TRAINING COURSES PRODUCTS AND PRICING

3.5.1 Adtran Training

MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price with IFF
611420	132-50.0012	Adtran	1600ATLAS01E	I&M Atlas Prod IN Ded and SWT Training	NRC	$ 1,086.59
611420	132-50.0013	Adtran	1600CUSTOMC	Custom I&M Product Training	NRC	$ 2,988.12

3.6 MULTIPLE AWARD SCHEDULE (MAS) SIN 54151S INFORMATION TECHNOLOGY PROFESSIONAL SERVICES AND PRICING

3.6.1 Lumen Professional IT Services and Pricing

MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
54151S	QGSI-PS1	Appl. Developer/Programmer—Junior	Partner in a team environment to modify applications programs from detailed specifications. Codes, tests, debugs, documents, and maintains those programs. Apply principles, theories and concepts and use methodologies, tools, documentation processes and test procedures to complete projects. 2 years experience. (Professional Services)	Per Hour	$ 88.62
54151S	QGSI-PS10	Bus. Process Reengineering Spec.—Junior	Facilitates basic technical and/or organizational process/quality improvement activities. Provides support in the identification, analysis, development, and documentation of process improvements. Consults with line management on process management and improvement. Identifies and makes recommendations for process improvements. Requires basic understanding of process/quality improvement methodology. Requires strong communication and presentation skills. 2 to 5 years business experience including 0 to 1 year process improvement/quality. (Professional Services)	Per Hour	$ 102.22
54151S	QGSI-PS100	Tools Support	Partner in a team environment or be able to independently modify applications programs. Codes, tests, debugs, documents, and maintains those programs. Applies principles, theories and concepts and uses methodologies, tools, documentation processes and test procedures to complete projects of moderate complexity. Typical relevant experience 2 – 5 years. (Professional Services)	Per Hour	$ 114.23
54151S	QGSI-PS101	Training Specialist	Designs and/or delivers moderately complex training programs for customers and in-house employees for reported BU's products and/or services. Coordinates with Sales, Marketing, and Engineering to identify program needs, obtain technical data, and schedule programs. Develops program design elements and training support materials. Moderate level technical and training skills. Typical relevant experience 2 – 5 years. (Professional Services)	Per Hour	$ 87.55
54151S	QGSI-PS102	Training Specialist (Senior)	Designs and/or delivers complex training programs for customers and in-house employees for reported BU's products and/or services. Coordinates with Sales, Marketing, and Engineering to identify program needs, obtain technical data, and schedule programs. Conducts training classes on complex topics. Designs and develops training program elements/modules. Strong level technical and training skills. Works with outside vendors to identify/schedule programs and support materials. Typical relevant experience 8 years. (Professional Services)	Per Hour	$ 98.99
54151S	QGSI-PS103	Network Systems Tech (Junior)	Works on relatively straightforward installation and/or maintenance assignments on network switching equipment. Technician for customer/company network systems installation	Per Hour	$ 63.44

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
			and/or maintenance activities. Monitors network operations and resolves routine network monitoring problems. Monitors network performance; conducts routine monitoring equipment installation and maintenance activities; resolves routine trouble tickets. At least 3 years experience. (Professional Services)		
54151S	QGSI-PS104	Network Systems Tech (Intermediate)	Strong technical skill level working on complex assignments within the network systems installation and/or maintenance activities. Technician for customer/company network systems installation and/or maintenance activities. Resolves complex network problems involving power, network hardware and software, lines, modems and terminals. Uses software and hardware tools to identify and diagnose network status and problems; conducts complex network monitoring equipment installation and maintenance activities; resolves complex trouble tickets, etc. 5 – 8 years applicable work experience. (Professional Services)	Per Hour	$ 74.99
54151S	QGSI-PS105	Network Systems Tech (Senior)	Uses advanced technical expertise and problem solving resolution skills at the customer or company site providing guidance and direction for subordinate field/site engineering jobs. Schedules and prioritizes activities of subordinate site/field engineering jobs. Provides on-site coordination of related activities (ordering equipment, interface with engineering staff and customers) 8+ years applicable work experience. (Professional Services)	Per Hour	$ 93.94
54151S	QGSI-PS106	Network Systems Communications Manager	Supervises a group of occupational and/or non-exempt employees. Assigns tasks, checks work, and develops schedules. Provides immediate supervision and may perform individual tasks related to group. Typically has 10 or more direct reports. Administers company policies and monitors the daily results, costs, and methods of own work group. Supervises the day-to-day activities of the network technical support technicians team that diagnose, troubleshoot, and repair network and/or circuit issues. Monitors the network activities and facilities and arranges for corrective action in resolve network failures. Uses established guidelines and administers existing company procedures and methods. Twelve or more years applicable work experience. (Professional Services)	Per Hour	$ 168.92
54151S	QGSI-PS107	Web Designer / Developer (Junior)	Partner in a team environment to develop, test, maintain, and support high-performance, innovative web-based applications. May analyze and troubleshoot software problems and contribute to providing solutions to overcome those problems using the latest technology. May provide recommendations for application and system improvements. Typical relevant experience 0 – 2 years. (Professional Services)	Per Hour	$ 119.51
54151S	QGSI-PS108	Web Designer / Developer	Partner in a team environment or be able to independently develop, test, maintain, and support high-performance, innovative web-based applications. Analyze and troubleshoot software problems and provide solutions to overcome those problems using the latest technology. Provide recommendations for application and system improvements. Strong knowledge of developing web sites and applications using a variety of technologies. Typical relevant experience 2 – 5 years. (Professional Services)	Per Hour	$ 150.50
54151S	QGSI-PS109	Web Software Developer	Partner in a team environment or be able to independently develop, test, maintain, and support	Per Hour	$ 140.34

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
			high-performance, innovative web-based applications. Analyze and troubleshoot software problems and provide solutions to overcome those problems using the latest technology. Provide recommendations for application and system improvements. Strong knowledge of developing web sites and applications using a variety of technologies. Typical relevant experience 5+ years. (Professional Services)		
54151S	QGSI-PS11	Bus. Process Reengineering Spec.—Interm.	Facilitates moderately complex and/or technical organizational process/quality improvement activities. Identifies, analyzes, develops, and documents process improvements. Identifies process improvement training needs. Consults with middle level management on process management and improvement. Identifies and makes recommendations for process improvements. Provides strong support for the overall management of the reported business units quality tools and techniques. Requires strong communication and presentation skills. 5 to 8 years business experience including 1 to 2 years process improvement/quality and 1 to 2 years project management. (Professional Services)	Per Hour	$ 130.16
54151S	QGSI-PS110	Web Content Administrator	Lead development & implementation of content for online initiatives supporting corporate web site, intranet & extranets. Assess critical information needs of key end-users, assemble resources to meet needs. Understand & define BU content objectives, champion content & interaction needs to achieve objectives. Identify content owners, organize & enforce publishing workflow & editorial processes, maintain classification systems, document definitions and information boundaries, integrate new content into the web site. Work with development, marketing, customer sales support teams to develop customer communication materials. Works on complex issues which require input from multiple sources and innovative problem solving. Acts in a multi-discipline project leadership role working towards the development of new solutions, processes, tools and systems. Typical relevant experience of 8 years. (Professional Services)	Per Hour	$ 163.40
54151S	QGSI-PS111	Web Architect	Lead in the team effort to develop, test, maintain, and support high-performance, innovative and complex web-based applications. Analyze and troubleshoot software problems and provide solutions to overcome those problems using the latest technology. Provide recommendations for application and system improvements. Apply existing and introduce new and approved technologies to develop solutions. Lead others in the application of principles, theories and concepts and use of methodologies, tools, documentation processes and test procedures to complete projects. Strong knowledge of developing web sites and applications using a variety of technologies. Typical relevant experience 10 years. (Professional Services)	Per Hour	$ 161.99
54151S	QGSI-PS112	Project Manager Analytics – Junior	•1-4 years' of experience in IT with expertise in project management. • Minimum 2 years' of experience in Big Data Analytics. • Responsible for Defining, leading, and managing all aspects of the project, scoping, budgeting, financial forecasting, scheduling, resourcing, quality	Per Hour	$ 222.88

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			control and project management best practices. • BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. • Mutually agreed upon Statement of Work required before ordering (Professional Services)		
54151S	QGSI-PS113	Project Manager Analytics-Intermediate	4-8 years' of experience in IT with expertise in project management. 3 years' of experience in Big Data Analytics. As a project manager, will be responsible for overall project strategy with leadership and align analytic strategic roadmap and implementation plans. Responsible for Defining, leading, and managing all aspects of the project, scoping, budgeting, financial forecasting, scheduling, resourcing, quality control and project management best practices. PMP or equivalent project management certification is preferred. BS/B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. Mutually agreed upon Statement of Work required before ordering (Professional Services) PMP or equivalent project management certification is preferred. BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience.	Per Hour	$ 281.54
54151S	QGSI-PS114	Project Manager Analytics – Senior	Over 8 years' of experience in IT with expertise in project management. 6 years' of experience in Big Data Analytics. As a project manager, will be responsible for overall project strategy with leadership and align analytic strategic roadmap and implementation plans. Responsible for Defining, leading, and managing all aspects of the project, scoping, budgeting, financial forecasting, scheduling, resourcing, quality control and project management best practices. PMP or equivalent project management certification is preferred. BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. Mutually agreed upon Statement of Work required before ordering (Professional Services)—PMP or equivalent project management certification is preferred.	Per Hour	$ 351.92
54151S	QGSI-PS115	Integration Architect Analytics – Junior	• 1-4 years' of experience in IT with expertise in Big Data integration. • Minimum 2 years' of experience in Big Data Analytics. • As an Integration Architect Analytics, will be responsible for integration architecture to provide solution of integrate multiple systems with various integration methodology & re-architect baseline middleware solution. • Expertise in computer-based software and / or statistical packages (e.g., SAS, SPSS, R, MATLAB, C, C++, JAVA) for developing predictive models. • BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. • Mutually agreed upon Statement of Work required before ordering (Professional Services)—BS / B Tech degree in	Per Hour	$ 222.88

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			Computer Science, related technical field preferred, or equivalent work experience.—1-4 years' of experience in IT with expertise in Big Data integration. Minimum 2 years' of experience in Big Data Analytics.		
54151S	QGSI-PS116	Integration Architect Analytics—Interm.	• 4-8 years' of experience in IT with expertise in Big Data integration. • Minimum 3 years' of experience in Big Data Analytics. • As an Integration Architect Analytics, will be responsible for integration architecture to provide solution of integrate multiple systems with various integration methodology & re-architect baseline middleware solution. • Expertise in computer-based software and / or statistical packages (e.g., SAS, SPSS, R, MATLAB, C, C++, JAVA) for developing predictive models. • BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. • Mutually agreed upon Statement of Work required before ordering (Professional Services)—BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience.—4-8 years' of experience in IT with expertise in Big Data integration. Minimum 3 years' of experience in Big Data Analytics.	Per Hour	$ 281.54
54151S	QGSI-PS117	Integration Architect Analytics- Senior	• Over 8 years' of experience in IT with expertise in Big Data integration. • Minimum 6 years' of experience in Big Data Analytics. • As an Integration Architect Analytics, will be responsible for integration architecture to provide solution of integrate multiple systems with various integration methodology & re-architect baseline middleware solution. • Expertise in computer-based software and / or statistical packages (e.g., SAS, SPSS, R, MATLAB, C, C++, JAVA) for developing predictive models. • BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. • Mutually agreed upon Statement of Work required before ordering (Professional Services)—BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience.—Over 8 years' of experience in IT with expertise in Big Data integration. Minimum 6 years' of experience in Big Data Analytics.	Per Hour	$ 351.92
54151S	QGSI-PS118	Decision Scientist Analytics – Junior	1-4 years' of experience in IT with expertise in decision sciences in real time environment. Minimum 2 year's of experience in Analytics. As a Decision Scientist Analytics, will be responsible for Classification methods (e.g., Neural Net, Logistic Regression, Decision Trees, KNN, SVM, Random Forest), Regression methods (e.g., Linear, Nonlinear, Boosted Regression Trees), Clustering methods (e.g., K-means, Fuzzy C-means, Hierarchical Clustering, Mixture Modeling), Time-series Modeling / Forecasting (e.g., AR, ARMA, GARCH, Exponential Smoothing) and Statistical Analysis (e.g., Hypothesis Testing, Experiment	Per Hour	$ 222.88

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			Design, Hierarchical Modeling and Bayesian Inference). Expertise in one or more modeling / machine learning platforms as such as R, SAS and Python. BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. Mutually agreed upon Statement of Work required before ordering (Professional Services)		
54151S	QGSI-PS119	Decision Scientist Analytics—Interm.	4-8 years' of experience in IT with expertise in decision sciences in real time environment. Minimum 3 years' of experience in Big Data Analytics. As a Decision Scientist Analytics, will be responsible for Classification methods (e.g., Neural Net, Logistic Regression, Decision Trees, KNN, SVM, Random Forest), Regression methods (e.g., Linear, Nonlinear, Boosted Regression Trees), Clustering methods (e.g., K-means, Fuzzy C-means, Hierarchical Clustering, Mixture Modeling), Time-series Modeling / Forecasting (e.g., AR, ARMA, GARCH, Exponential Smoothing) and Statistical Analysis (e.g., Hypothesis Testing, Experiment Design, Hierarchical Modeling and Bayesian Inference). Expertise in one or more modeling / machine learning platforms as such as R, SAS and Python. BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. Mutually agreed upon Statement of Work required before ordering (Professional Services)	Per Hour	$ 281.54
54151S	QGSI-PS12	Bus. Process Reengineering Spec.—Senior	Facilitates complex, diverse, and/or technical organizational process/quality improvement activities. Identifies, analyzes, develops, and documents process improvements. Identifies process improvement training needs. Consults with middle/senior level management on process management and improvement. Identifies and makes recommendations for process improvements. Provides strong support for the overall management of the reported business unit's quality tools and techniques. Assisted by a team of less experienced process/quality analysts. May have lead responsibility for assigned direct reports. Requires strong communication and presentation skills. 7 to 10 years business experience including 2 to 4 years process improvement/quality and 2 to 4 years project management.(Professional Services)	Per Hour	$ 160.00
54151S	QGSI-PS120	Decision Scientist Analytics-Senior	• Over 8 years' of exp in IT with expertise in decision sciences in real time environment. • Min 6 years' of experience in Big Data Analytics. • As a Decision Scientist Analytics, will be responsible for Classification methods, Regression methods, Clustering methods, Time-series Modeling / Forecasting and Statistical Analysis . • Expertise in one or more modeling / machine learning platforms as such as R, SAS and Python. • BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. • Mutually agreed upon Statement of Work required before ordering (Professional Services)	Per Hour	$ 351.92

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54151S	QGSI-PS121	Technical Architect Analytics – Junior	• 1-4 year' of experience in IT with expertise in Big Data. • Minimum 2 year' of experience in Analytics. • As a Technical Architect Analytics, will be responsible for architecture to provide solutions of multiple systems with various methodologies & re-architect analytics solutions. • Expertise in computer-based software and / or statistical packages (e.g., SAS, SPSS, R, MATLAB, C, C++, JAVA) for developing predictive models. • BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. • Mutually agreed upon Statement of Work required before ordering (Professional Services)	Per Hour	$ 211.15
54151S	QGSI-PS122	Tech. Architect Analytics—Intermediate	• 4-8 years' of experience in IT with expertise in Big Data. • Minimum 3 years' of experience in Analytics. • As a Technical Architect Analytics, will be responsible for architecture to provide solutions of multiple systems with various methodologies & re-architect analytics solutions. • Expertise in computer-based software and / or statistical packages (e.g., SAS, SPSS, R, MATLAB, C, C++, JAVA) for developing predictive models. • BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. • Mutually agreed upon Statement of Work required before ordering (Professional Services)	Per Hour	$ 258.07
54151S	QGSI-PS123	Technical Architect Analytics- Senior	• Over 8 years' of experience in IT with expertise in Big Data. • Minimum 6 years' of experience in Analytics. • As a Technical Architect Analytics, will be responsible for architecture to provide solutions of multiple systems with various methodologies & re-architect analytics solutions. • Expertise in computer-based software and / or statistical packages (e.g., SAS, SPSS, R, MATLAB, C, C++, JAVA) for developing predictive models. • BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. • Mutually agreed upon Statement of Work required before ordering (Professional Services)	Per Hour	$ 316.73
54151S	QGSI-PS124	Data Modeler Analytics – Junior	• 1-4 year' of experience in IT with expertise in Data Modeling. • Minimum 2 year' of experience in Analytics. • As a Data Modeler Analytics, will be responsible for performing data research, analysis, conceptual and logical data modeling to validate and document the usage of business data artifacts. • Expertise in developing and documenting data model elements according to established standards and guidelines as necessary for delivering models. • BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. • Mutually agreed upon Statement of Work required before ordering (Professional Services)	Per Hour	$ 211.15
54151S	QGSI-PS125	Data Modeler Analytics- Intermediate	• Between 4-8 years' of experience in IT with expertise in Data Modeling. • Minimum 3 years' of experience in Analytics.	Per Hour	$ 258.07

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			• As a Data Modeler Analytics, will be responsible for performing data research, analysis, conceptual and logical data modeling to validate and document the usage of business data artifacts. • Expertise in developing and documenting data model elements according to established standards and guidelines as necessary for delivering models. • BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. • Mutually agreed upon Statement of Work required before ordering (Professional Services)		
54151S	QGSI-PS126	Data Modeler Analytics – Senior	• Over 8 years' of experience in IT with expertise in Data Modeling. • Minimum 6 years' of experience in Big Data Analytics. • As a Data Modeler Analytics, will be responsible for performing data research, analysis, conceptual and logical data modeling to validate and document the usage of business data artifacts. • Expertise in developing and documenting data model elements according to established standards and guidelines as necessary for delivering models. • BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. • Mutually agreed upon Statement of Work required before ordering (Professional Services)	Per Hour	$ 316.73
54151S	QGSI-PS127	Visualization Architect Analytics—Junior	• 1-4 year' of experience in IT with expertise in Visualization. • Minimum 2 years' of experience in Analytics. • As a Visualization Architect Analytics, will be responsible for the overall vision, strategy and operation of the data reporting and visualization. • Expertise in creating data visualization and reporting dashboards in Python, SAS. R and JavaScript • BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. • Mutually agreed upon Statement of Work required before ordering (Professional Services)	Per Hour	$ 211.15
54151S	QGSI-PS128	Visualization Architect Analytics—Interm	• Between 4-8 years' of experience in IT with expertise in Visualization. • Over 4 years' of experience in Big Data Analytics. • As a Visualization Architect Analytics, will be responsible for the overall vision, strategy and operation of the data reporting and visualization. • Expertise in creating data visualization and reporting dashboards in Python, SAS. R and JavaScript • BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. • Mutually agreed upon Statement of Work required before ordering (Professional Services)	Per Hour	$ 258.07
54151S	QGSI-PS129	SFS Architect	An individual capable of providing engineering consulting services as well as providing technical direction for personnel performing work in the technical disciplines within the Data Center. The title of the individual indicates the discipline for which they are considered an Architect (for example, Security Architect or Network Architect). This	Per Hour	$ 272.68

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			individual is responsible for analyzing, resolving and providing solutions to the most difficult problems that exist in Data Center disciplines; leads and participates in all aspects of scoping, designing, planning, installing and maintaining customer installations. Minimum Education: A degree or equivalent experience. Minimum Experience: Eight years general experience and six years of specialized experience in discipline is required. Certifications specific to discipline are recommended. (Professional Services)		
54151S	QGSI-PS13	Cable Techs	Strong technical skill level working on complex assignments within the network systems installation and/or maintenance activities. Technician for customer/company network systems installation and/or maintenance activities. Resolves complex network problems involving power, network hardware and software, lines, modems and terminals. Uses software and hardware tools to identify and diagnose network status and problems; conducts complex network monitoring equipment installation and maintenance activities; resolves complex trouble tickets. 2 to 5 years experience. (Professional Services)	Per Hour	$ 97.59
54151S	QGSI-PS130	SFS DBA—Database Administrator—Principal	An individual capable of providing engineering consulting services as well as providing technical direction for personnel performing work in the technical disciplines within the Data Center. The title of the individual indicates the discipline for which they are considered an Architect (for example, Security Architect or Network Architect). This individual is responsible for analyzing, resolving and providing solutions to the most difficult problems that exist in Data Center disciplines; leads and participates in all aspects of scoping, designing, planning, installing and maintaining customer installations. Minimum Education: A degree or equivalent experience. Minimum Experience: Eight years general experience and six years of specialized experience in discipline is required. Certifications specific to discipline are recommended. (Professional Services)	Per Hour	$ 260.77
54151S	QGSI-PS131	SFS Distinguished Trust Evaluator	Functional Responsibility: An individual knowledgeable in aspects of database administration; Configures databases for web applications; Performs database administration activities including backup and recovery; Maintains development and test environment databases; Designs, develops, implements, and optimizes database systems. Minimum Education: A BS degree or equivalent experience. Minimum Experience: Six years of progressive experience in Database Administration. (Professional Services)	Per Hour	$ 306.78
54151S	QGSI-PS132	SFS IT Sys. Arch—Mgd Sys Engineer—Senior	An individual capable of providing security and software engineering consulting services as well as providing technical direction and leadership for personnel performing Evaluation tasks and projects; recommends solutions to the most difficult information security problems in existing systems; leads and participates in system evaluations, penetration, forensics, and vulnerability studies and	Per Hour	$ 238.60

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			experiments; Responsible for overseeing and directing complex tasks; Makes recommendations as an authoritative leader in the Common 206rocesse arena. Minimum Education: A Master's degree in Computer Science, Mathematics, Physics, Engineering, Business, or other related scientific or technical disciplines is required or equivalent experience. Minimum Experience: Ten years general experience and eight years of specialized experience in discipline is required (Professional Services)		
54151S	QGSI-PS133	SFS IT SA—Princ. Indus./Funct Area Exp.	An individual very knowledgeable in all aspects of managed IT solutions; has extensive experience in the specific IT discipline(s) that are part of the managed IT solution set. Demonstrates very good oral and written communications skills; provides highly technical and specialized guidance and solutions to complex IT problems that would benefit from a managed IT solution; Works independently or as a member of a team. Minimum Education: B.S. degree or equivalent experience. Minimum Experience: Six years of progressive experience in the field of Managed IT, including four years of specialized experience in numerous, highly specialized IT disciplines involving a wide range of hardware/software solutions. (Professional Services)	Per Hour	$ 238.60
54151S	QGSI-PS134	SFS IT SA—Subject Matter Exp—Technical	An individual whose knowledge and skills are applicable to an actual SOW and is so recognized in the professional community that the Government is able to qualify the individual as an expert in the field (e.g., publications, speeches at conferences, research, and teaching.); Demonstrates exceptional oral and written communications skills; Performs as a consultant in highly specialized, leading edge information technologies and methodologies; Provides highly technical and specialized guidance concerning solutions to complex information processing problems; Performs elaborate analyses and studies; Prepares reports and gives presentations; Works independently or as a member, or technical leader, of a team. Minimum Education: B.S. degree or equivalent experience. Minimum Experience: Eight years of progressive experience in the field of expertise required by an actual SOW. (Professional Services)	Per Hour	$ 272.68
54151S	QGSI-PS135	SFS IT SA—Systems Engineer—Associate	Functional Responsibility: An individual with basic knowledge of IT; has some experience in the specific IT discipline(s) described in an actual SOW. Works independently or as a member of a team. Minimum Education: B.S. degree or equivalent experience. Minimum Experience: Two years of experience in the field of IT, including one year of specialized experience in numerous, highly specialized IT disciplines involving a range of hardware/software solutions. (Professional Services)	Per Hour	$ 204.52
54151S	QGSI-PS136	SFS IT SA—Systems Engineer – Senior	An individual very knowledgeable in all aspects of IT; has extensive experience in the specific IT discipline(s) described in an actual SOW. Demonstrates very good oral and written communications skills; provides highly technical and	Per Hour	$ 238.60

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			specialized guidance and solutions to complex IT problems. Performs elaborate analyses and studies; Prepares reports and gives presentations; Works independently or as a member of a team; May serve as contractor task order Project Manager. Minimum Education: B.S. degree or equivalent experience. Minimum Experience: Six years of progressive experience in the field of IT, including four years of specialized experience in numerous, highly specialized IT disciplines involving a wide range of hardware/software solutions. (Professional Services)		
54151S	QGSI-PS137	SFS Program Manager – Intermediate	Performs day-to-day 207roce of overall contract support ops, possibly involving multiple projects and groups of personnel at multiple locations. Organizes, directs and coordinates the planning and production of all contract support activities. Demonstrates written and oral comm. Skills. Has authority and responsibility to identify and commit resources required to support effort. Establishes and alters, as necessary, corp. 207roce structure to direct effective contract support activities. B.A. or B.S. degree/equiv. exp. 8 yrs of accounting or financial experience, including 6 yrs of increasing responsibilities in assignment supervision and 207roce. Exp. In Financial Mgmt, Cost Estg., Procurement Strategic Planning and Execution, or Bus. Mgmt. Must be capable of leading projects that involve the successful 207roce of multi-functional teams. Specialized experience: proj. dev., exptse. In 207roce and ctrl of funds and resources, demonstrated capability in managing multiple tasks. (Professional Services)	Per Hour	$ 238.60
54151S	QGSI-PS138	SFS QA Analyst—Intermediate	Functional Responsibility: Assures that solutions meet corporate and customer specifications; assures that solutions are documented for use as required; and implements validation and test plans Minimum Education: B.A. or B.S. degree or equivalent experience. Minimum Experience: Four years of quality assurance experience. The ability to communication clearly with all internal teams as well as the end customer; ability to document solutions; and ability to perform validation and testing. (Professional Services)	Per Hour	$ 195.90
54151S	QGSI-PS139	SFS Systems Administrator – Associate	An individual knowledgeable in aspects of system administration; responsible for day-to-day operations of network and computer systems; monitors network performance and communications links; installs new hardware and software, provides help desk support to system's users; Works as a member of a team. Minimum Education: B.S. degree or equivalent experience. Minimum Experience: The Systems Administrator must have education, professional training, and education in areas relevant to the specific needs of the program. In addition, the Systems Administrator should have experience in the administration of operating systems; experience troubleshooting network and computer system hardware and software; Vendor-sponsored training and certifications. Two years of progressive experience in the field of System Administration, including one year of specialized experience in the specific	Per Hour	$ 170.42

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			operating system for which expertise is claimed. (Professional Services)		
54151S	QGSI-PS14	Communications Network Operator/Tech	Partner in a team environment to conduct analysis of local and wide are network systems, includes planning, designing, evaluating, selecting operating systems and protocol suites and configuring communication media with concentrators, bridges, and other devices. Involved in resolution of interoperability problems to obtain operations across all platforms including, e-mail, files transfer, multimedia, teleconferencing. Provide support to technical network systems. Involved in the assessment of customers' networked application needs, providing network modeling and simulation assistance to deliver client/server application functionality. Knowledge of bridges, routers, gateways, transport media (such as UTP, COAX, or FIBER) using TCP/IP, IPX/SPX, SNA transport protocols, or Sonet, ATM, Frame relay, Ethernet, Token ring, or FDDI transport technologies. Typical relevant experience 0 to 2 years. (Professional Services)	Per Hour	$ 95.25
54151S	QGSI-PS140	Visualization Architect	• Over 8 years' of experience in IT with expertise in Visualization. • Over 6 years' of experience in Big Data Analytics. • As a Visualization Architect Analytics, will be responsible for the overall vision, strategy and operation of the data reporting and visualization. • Expertise in creating data visualization and reporting dashboards in Python, SAS. R and JavaScript • BS / B Tech degree in Computer Science, related technical field preferred, or equivalent work experience. • Mutually agreed upon Statement of Work required before ordering (Professional Services)	Per Hour	$ 195.90
54151S	QGSI-PS141	Business Continuity Planner (Junior)	Develop, maintain, or implement business continuity and disaster recovery strategies and solutions, including risk assessments, business impact analyses, strategy selection, and documentation of business continuity and disaster recovery procedures. Plan, conduct, and debrief regular mock-disaster exercises to test the adequacy of existing plans and strategies, updating procedures and plans regularly. Act as a coordinator for continuity efforts after a disruption event. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 86.99
54151S	QGSI-PS142	Business Continuity Planner (Intermediate)	Develop, maintain, or implement business continuity and disaster recovery strategies and solutions, including risk assessments, business impact analyses, strategy selection, and documentation of business continuity and disaster recovery procedures. Plan, conduct, and debrief regular mock-disaster exercises to test the adequacy of existing plans and strategies, updating procedures and plans regularly. Act as a coordinator for continuity efforts after a disruption event. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 141.87

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54151S	QGSI-PS143	Business Continuity Planner (Senior)	Develop, maintain, or implement business continuity and disaster recovery strategies and solutions, including risk assessments, business impact analyses, strategy selection, and documentation of business continuity and disaster recovery procedures. Plan, conduct, and debrief regular mock-disaster exercises to test the adequacy of existing plans and strategies, updating procedures and plans regularly. Act as a coordinator for continuity efforts after a disruption event. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 183.59
54151S	QGSI-PS144	Computer Network Architect (Junior)	Design and implement computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. Perform network modeling, analysis, and planning. May also design network and computer security measures. May research and recommend network and data communications hardware and software. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 150.12
54151S	QGSI-PS145	Computer Network Architect (Intermediate)	Design and implement computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. Perform network modeling, analysis, and planning. May also design network and computer security measures. May research and recommend network and data communications hardware and software. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 162.99
54151S	QGSI-PS146	Computer Network Architect (Senior)	Design and implement computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. Perform network modeling, analysis, and planning. May also design network and computer security measures. May research and recommend network and data communications hardware and software. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 220.54
54151S	QGSI-PS147	Computer Network Support Specialist (Junior)	Analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Perform network maintenance to ensure networks operate correctly with minimal interruption.	Per Hour	$ 68.21

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			Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.		
54151S	QGSI-PS148	Computer Network Support Specialist (Intermediate)	Analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Perform network maintenance to ensure networks operate correctly with minimal interruption. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 98.49
54151S	QGSI-PS149	Computer Network Support Specialist (Senior)	Analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Perform network maintenance to ensure networks operate correctly with minimal interruption. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 112.40
54151S	QGSI-PS15	Communications Specialist	Partner with team or independently perform analysis of moderately complex local & wide area network systems. Plan, design, evaluate, select operating systems and protocol suites and configure communication media with concentrators, bridges and other devices. Resolve interoperability problems to obtain operations across all platforms including, e-mail, files transfer, multimedia, teleconferencing. Provide support to technical network systems. Provide in-depth assessment of customers' networked application needs; provide network modeling and simulation consulting; engineer solution. May assess new technical network system technologies. Knowledge of bridges, routers, gateways, transport media (such as UTP, COAX, or FIBER) using TCP/IP, IPX/SPX, SNA transport protocols, or Sonet, ATM, Frame relay, Ethernet, Token ring, or FDDI transport technologies. Typical relevant experience 2 – 5 years. (Professional Services)	Per Hour	$ 98.53.
54151S	QGSI-PS150	Information Systems Analyst (Junior)	Analyze science, engineering, business, and other data processing problems to implement and improve computer systems. Analyze user requirements, procedures, and problems to automate or improve existing systems and review computer system capabilities, workflow, and scheduling limitations. May analyze or recommend commercially available software. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 104.06
54151S	QGSI-PS151	Information Systems Analyst (Intermediate)	Analyze science, engineering, business, and other data processing problems to implement and improve computer systems. Analyze user requirements, procedures, and problems to automate or improve	Per Hour	$ 168.84

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
			existing systems and review computer system capabilities, workflow, and scheduling limitations. May analyze or recommend commercially available software. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.		
54151S	QGSI-PS152	Information Systems Analyst (Senior)	Analyze science, engineering, business, and other data processing problems to implement and improve computer systems. Analyze user requirements, procedures, and problems to automate or improve existing systems and review computer system capabilities, workflow, and scheduling limitations. May analyze or recommend commercially available software. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 182.35
54151S	QGSI-PS153	Computer Systems Engineers/Architect (Junior)	Design and develop solutions to complex applications problems, system administration issues, or network concerns. Perform systems management and integration functions. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 96.53
54151S	QGSI-PS154	Computer Systems Engineers/Architect (Intermediate)	Design and develop solutions to complex applications problems, system administration issues, or network concerns. Perform systems management and integration functions. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 116.58
54151S	QGSI-PS155	Computer Systems Engineers/Architect (Senior)	Design and develop solutions to complex applications problems, system administration issues, or network concerns. Perform systems management and integration functions. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 180.67
54151S	QGSI-PS156	Customer Service Representatives (Junior)	Interact with customers to provide information in response to inquiries about products and services and to handle and resolve complaints. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 72.05
54151S	QGSI-PS157	Customer Service Representatives (Intermediate)	Interact with customers to provide information in response to inquiries about products and services and to handle and resolve complaints.	Per Hour	$ 94.15

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			Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.		
54151S	QGSI-PS158	Customer Service Representatives (Senior)	Interact with customers to provide information in response to inquiries about products and services and to handle and resolve complaints. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 127.84
54151S	QGSI-PS159	Database Administration Manager (Junior)	Administer, test, and implement computer databases, applying knowledge of database management systems. Coordinate changes to computer databases. May plan, coordinate, and implement security measures to safeguard computer databases. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 79.73
54151S	QGSI-PS16	Communications / Network Engineer	Lead the analysis of complex local and wide area network systems. Plan, design, evaluate, select operating systems and protocol suites and configure communication media. Lead team in resolution of interoperability problems to obtain operations across all platforms including, but not limited to, e-mail, files transfer, multimedia, teleconferencing. Lead the support of clients by consulting and recommending solutions. Lead the analysis of capacity studies and recommend technical solutions for infrastructure growth. Lead in assessing new and/or advanced technical network system technologies and recommend possible implementation strategies.Experience with bridges, routers, gateways, transport media (such as UTP, COAX, or FIBER) using TCP/IP, IPX/SPX, SNA transport protocols, or Sonet, ATM, Frame relay, Ethernet, Token ring, or FDDI transport technologies. Typical relevant experience 8 years. (Professional Services)	Per Hour	$ 119.93
54151S	QGSI-PS160	Database Administration Manager (Intermediate)	Administer, test, and implement computer databases, applying knowledge of database management systems. Coordinate changes to computer databases. May plan, coordinate, and implement security measures to safeguard computer databases. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 122.11
54151S	QGSI-PS161	Database Administration Manager (Senior)	Administer, test, and implement computer databases, applying knowledge of database management systems. Coordinate changes to computer databases. May plan, coordinate, and implement security measures to safeguard computer databases. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional	Per Hour	$ 168.22

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			duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.		
54151S	QGSI-PS162	Database Architect (Junior)	Design strategies for enterprise database systems and set standards for operations, programming, and security. Design and construct large relational databases. Integrate new systems with existing warehouse structure and refine system performance and functionality. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 97.19
54151S	QGSI-PS163	Database Architect (Intermediate)	Design strategies for enterprise database systems and set standards for operations, programming, and security. Design and construct large relational databases. Integrate new systems with existing warehouse structure and refine system performance and functionality. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 111.97
54151S	QGSI-PS164	Database Architect (Senior)	Design strategies for enterprise database systems and set standards for operations, programming, and security. Design and construct large relational databases. Integrate new systems with existing warehouse structure and refine system performance and functionality. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 132.01
54151S	QGSI-PS165	Electrical Drafter – Computer Aided Design (CAD) Operator (Junior)	Prepare wiring diagrams, circuit board assembly diagrams, and layout drawings used for the manufacture, installation, or repair of electrical equipment. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 63.74
54151S	QGSI-PS166	Electrical Drafter – Computer Aided Design (CAD) Operator (Intermediate)	Prepare wiring diagrams, circuit board assembly diagrams, and layout drawings used for the manufacture, installation, or repair of electrical equipment. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 67.99
54151S	QGSI-PS167	Electrical Drafter – Computer Aided Design (CAD) Operator (Senior)	Prepare wiring diagrams, circuit board assembly diagrams, and layout drawings used for the manufacture, installation, or repair of electrical equipment. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of	Per Hour	$ 76.11

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			less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.		
54151S	QGSI-PS168	Information Security Analyst (Junior)	Plan, implement, upgrade, or monitor security measures for the protection of computer networks and information. May ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure. May respond to computer security breaches and viruses. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 104.06
54151S	QGSI-PS169	Information Security Analyst (Intermediate)	Plan, implement, upgrade, or monitor security measures for the protection of computer networks and information. May ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure. May respond to computer security breaches and viruses. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 116.69
54151S	QGSI-PS17	Communications Network Manager	Manages work of subordinate supervisors and/or exempt management employees. Leads functional area within business unit. Accountable for results, costs, methods, and staffing of functional area. Rarely performs work of subordinates. Typically has 6 to 8 direct reports. Establishes and assures adherence to budgets, schedules, work plans and performance requirements. Manages the planning, design, implementation, organization and operation of the company's information systems. Assists in developing, modifying and implementing guidelines and policies. Leads analysis of the needs of departments and establishes priorities for network design and implementation to develop new and/or modify the company's networks and applications. Drives the work plans and provides technical direction to programmers, analysts, and engineers dedicated to information system networks. Typically 8 years of relevant experience. (Professional Services)	Per Hour	$ 116.61
54151S	QGSI-PS170	Information Security Analyst (Senior)	Plan, implement, upgrade, or monitor security measures for the protection of computer networks and information. May ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure. May respond to computer security breaches and viruses. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 133.97
54151S	QGSI-PS171	Information Technology Project Manager (Junior)	Plan, initiate, and manage information technology (IT) projects. Lead and guide the work of technical staff. Serve as liaison between business and technical aspects of projects. Plan project stages and assess business implications for each stage. Monitor progress to assure deadlines, standards, and cost targets are met. Junior-level with up to 3 years of applicable	Per Hour	$ 117.86

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			experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.		
54151S	QGSI-PS172	Information Technology Project Manager (Intermediate)	Plan, initiate, and manage information technology (IT) projects. Lead and guide the work of technical staff. Serve as liaison between business and technical aspects of projects. Plan project stages and assess business implications for each stage. Monitor progress to assure deadlines, standards, and cost targets are met. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 143.28
54151S	QGSI-PS173	Information Technology Project Manager (Senior)	Plan, initiate, and manage information technology (IT) projects. Lead and guide the work of technical staff. Serve as liaison between business and technical aspects of projects. Plan project stages and assess business implications for each stage. Monitor progress to assure deadlines, standards, and cost targets are met. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 180.67
54151S	QGSI-PS174	Network and Computer Systems Administrator (Junior)	Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Monitor network to ensure network availability to all system users and may perform necessary maintenance to support network availability. May monitor and test Web site performance to ensure Web sites operate correctly and without interruption. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software. May supervise computer user support specialists and computer network support specialists. May administer network security measures. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 69.20
54151S	QGSI-PS175	Network and Computer Systems Administrator (Intermediate)	Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Monitor network to ensure network availability to all system users and may perform necessary maintenance to support network availability. May monitor and test Web site performance to ensure Web sites operate correctly and without interruption. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software. May supervise computer user support specialists and computer network support specialists. May administer network security measures. Intermediate-level with up to 3 to 10 years of	Per Hour	$ 100.13

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			applicable experience. Typically performs all functional duties independently.		
54151S	QGSI-PS176	Network and Computer Systems Administrator (Senior)	Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Monitor network to ensure network availability to all system users and may perform necessary maintenance to support network availability. May monitor and test Web site performance to ensure Web sites operate correctly and without interruption. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software. May supervise computer user support specialists and computer network support specialists. May administer network security measures. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 115.09
54151S	QGSI-PS177	Applications Software Developer (Junior)	Develop, create, and modify general computer applications software or specialized utility programs. Analyze user needs and develop software solutions. Design software or customize software for client use with the aim of optimizing operational efficiency. May analyze and design databases within an application area, working individually or coordinating database development as part of a team. May supervise computer programmers. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 67.76
54151S	QGSI-PS178	Applications Software Developer (Intermediate)	Develop, create, and modify general computer applications software or specialized utility programs. Analyze user needs and develop software solutions. Design software or customize software for client use with the aim of optimizing operational efficiency. May analyze and design databases within an application area, working individually or coordinating database development as part of a team. May supervise computer programmers. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 141.21
54151S	QGSI-PS179	Applications Software Developer (Senior)	Develop, create, and modify general computer applications software or specialized utility programs. Analyze user needs and develop software solutions. Design software or customize software for client use with the aim of optimizing operational efficiency. May analyze and design databases within an application area, working individually or coordinating database development as part of a team. May supervise computer programmers. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of	Per Hour	$ 167.94

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			expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.		
54151S	QGSI-PS18	Computer Systems Analyst (Junior)	Partner in a team environment in the analysis, acquisition, installation, modification, development and/or support of operating systems, utilities and internet/intranet-related tools. May be responsible for determination of system specification, input/output processes and working parameters for hardware and software compatibility. Conduct systems programming and systems support activities. Responsible for operating system maintenance utilizing associated utilities and tools. Involved in coordination of design of subsystems and integration of total system. May evaluate system(s) products for installability and system requirements. Typical relevant experience 0 – 2 years. (Professional Services)	Per Hour	$ 75.47
54151S	QGSI-PS180	Systems Software Developer (Junior)	Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. Set operational specifications and formulate and analyze software requirements. May design embedded systems software. Apply principles and techniques of computer science, engineering, and mathematical analysis. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 78.40
54151S	QGSI-PS181	Systems Software Developer (Intermediate)	Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. Set operational specifications and formulate and analyze software requirements. May design embedded systems software. Apply principles and techniques of computer science, engineering, and mathematical analysis. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 111.25
54151S	QGSI-PS182	Systems Software Developer (Senior)	Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. Set operational specifications and formulate and analyze software requirements. May design embedded systems software. Apply principles and techniques of computer science, engineering, and mathematical analysis. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of	Per Hour	$ 149.70

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			less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.		
54151S	QGSI-PS183	Software Quality Assurance Engineer/Tester (Junior)	Develop and execute software test plans in order to identify software problems and their causes. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 64.06
54151S	QGSI-PS184	Software Quality Assurance Engineer/Tester (Intermediate)	Develop and execute software test plans in order to identify Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently. Software problems and their causes.	Per Hour	$ 100.00
54151S	QGSI-PS185	Software Quality Assurance Engineer/Tester (Senior)	Develop and execute software test plans in order to identify software problems and their causes. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 146.89
54151S	QGSI-PS186	Sustainability Specialist (Junior)	Address organizational sustainability issues, such as waste stream management, green building practices, and green procurement plans. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 83.14
54151S	QGSI-PS187	Sustainability Specialist (Intermediate)	Address organizational sustainability issues, such as waste stream management, green building practices, and green procurement plans. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 84.49
54151S	QGSI-PS188	Sustainability Specialist (Senior)	Address organizational sustainability issues, such as waste stream management, green building practices, and green procurement plans. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 140.72
54151S	QGSI-PS189	Telecommunications Engineering Specialist (Junior)	Design or configure voice, video, and data communications systems. Supervise installation and post-installation service and maintenance. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 111.46
54151S	QGSI-PS19	Computer Systems Analyst (Intermediate)	Partner in a team environment or be able to independently perform the analysis, acquisition, installation, modification, development and/or support of moderately complex operating system utilities and internet/intranet-related tools.	Per Hour	$ 94.19

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			Responsible for determination of system specification, input/output processes and working parameters for hardware and software compatibility. Conducts moderately complex systems programming and systems support activities. Responsible for operating system maintenance utilizing associated utilities and tools. Coordinate design of subsystems and integration of total system. Evaluate system(s) products for installability and system requirements. Typical relevant experience 2 – 5 years, including hardware/software integration experience. (Professional Services)		
54151S	QGSI-PS190	Telecommunications Engineering Specialist (Intermediate)	Design or configure voice, video, and data communications systems. Supervise installation and post-installation service and maintenance. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 138.77
54151S	QGSI-PS191	Telecommunications Engineering Specialist (Senior)	Design or configure voice, video, and data communications systems. Supervise installation and post-installation service and maintenance. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 175.23
54151S	QGSI-PS192	Telecommunications Equipment Installer/Repairer (Junior)	Install, set-up, rearrange, or remove switching, distribution, routing, and dialing equipment used in central offices or headends. Service or repair telephone, cable television, Internet, and other communications equipment on customers' property. May install communications equipment or communications wiring in buildings. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 91.79
54151S	QGSI-PS193	Telecommunications Equipment Installer/Repairer (Intermediate)	Install, set-up, rearrange, or remove switching, distribution, routing, and dialing equipment used in central offices or headends. Service or repair telephone, cable television, Internet, and other communications equipment on customers' property. May install communications equipment or communications wiring in buildings. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 112.26
54151S	QGSI-PS194	Telecommunications Equipment Installer/Repairer (Senior)	Install, set-up, rearrange, or remove switching, distribution, routing, and dialing equipment used in central offices or headends. Service or repair telephone, cable television, Internet, and other communications equipment on customers' property. May install communications equipment or communications wiring in buildings. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of	Per Hour	$ 123.94

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			expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.		
54151S	QGSI-PS195	Telecommunications Line Installer/Repairer (Junior)	Install and repair telecommunications cable, including fiber optics. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 91.79
54151S	QGSI-PS196	Telecommunications Line Installer/Repairer (Intermediate)	Install and repair telecommunications cable, including fiber optics. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 98.36
54151S	QGSI-PS197	Telecommunications Line Installer/Repairer (Senior)	Install and repair telecommunications cable, including fiber optics. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 104.91
54151S	QGSI-PS198	Web Administrators (Junior)	Manage web environment design, deployment, development and maintenance activities. Perform testing and quality assurance of websites and web applications. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 80.38
54151S	QGSI-PS199	Web Administrators (Intermediate)	Manage web environment design, deployment, development and maintenance activities. Perform testing and quality assurance of websites and web applications. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 103.97
54151S	QGSI-PS2	Appl. Developer/Programmer—Intermediate	Partner in a team environment or be able to independently modify applications programs. Codes, tests, debugs, documents, and maintains those programs. Applies principles, theories and concepts and uses methodologies, tools, documentation processes and test procedures to complete projects of moderate complexity. Typical relevant experience 2 – 5 years. (Professional Services)	Per Hour	$ 134.05
54151S	QGSI-PS20	Computer Systems Analyst (Senior)	Lead the team effort in the analysis, acquisition, installation, modification, development and/or support of complex operating systems, utilities and internet/intranet-related tools. Lead in the determination of system specification, input/output processes and working parameters for hardware and software compatibility. Perform complex systems programming and systems support activities. Responsible for operating system maintenance utilizing associated utilities and tools. Prepare and conduct system and programming tests requiring interfacing of hardware and software. Coordinate design of subsystems and integration of total system. Initiate and evaluate system(s)	Per Hour	$ 119.80

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
			products for installability and system requirements. Typical relevant experience 8 years, including hardware/software integration experience. (Professional Services)		
54151S	QGSI-PS200	Web Administrators (Senior)	Manage web environment design, deployment, development and maintenance activities. Perform testing and quality assurance of websites and web applications. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 133.68
54151S	QGSI-PS201	Web Developers (Junior)	Design, create, and modify Web sites. Analyze user needs to implement Web site content, graphics, performance, and capacity. May integrate Web sites with other computer applications. May convert written, graphic, audio, and video components to compatible Web formats by using software designed to facilitate the creation of Web and multimedia content. Junior-level with up to 3 years of applicable experience. Responsible for assisting and performing functional duties under the oversight of more senior positions.	Per Hour	$ 77.21
54151S	QGSI-PS202	Web Developers (Intermediate)	Design, create, and modify Web sites. Analyze user needs to implement Web site content, graphics, performance, and capacity. May integrate Web sites with other computer applications. May convert written, graphic, audio, and video components to compatible Web formats by using software designed to facilitate the creation of Web and multimedia content. Intermediate-level with up to 3 to 10 years of applicable experience. Typically performs all functional duties independently.	Per Hour	$ 95.39
54151S	QGSI-PS203	Web Developers (Senior)	Design, create, and modify Web sites. Analyze user needs to implement Web site content, graphics, performance, and capacity. May integrate Web sites with other computer applications. May convert written, graphic, audio, and video components to compatible Web formats by using software designed to facilitate the creation of Web and multimedia content. Senior/Subject Matter Expert (SME) with more than 10 years of applicable experience, or has qualifications or expertise are exceptional, or is recognized as an industry leader for a given area of expertise. Such an individual performs all functional duties independently, and may oversee the efforts of less senior staff and/or be responsible for the efforts of all staff assigned to a specific job.	Per Hour	$ 120.47
54151S	QGSI-PS21	Configuration Mgmt Specialist—Junior	Maintain documents, methods/procedures, & manuals. Maintain documentation library. Coordinate documentation services. Store, retrieve, update & reproduce engineering documents. Ensure drawing & history files are accurate & current. Ensure all contractual documentation is delivered to govt customer. Assist in the development of documentation control processes. Review, assess,	Per Hour	$ 69.17

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			& implement engineering changes when received from the engineering organization. Check engineering change for appropriateness & accuracy. Compare to original drawings to assess degree of change & notify others. Implement changes to engineering change review process. Typical relevant experience of at least 2 years. (Professional Services)		
54151S	QGSI-PS22	Config. Mgmt Specialist—Intermediate	Maintain documents, methods/procedures, & manuals. Maintain documentation library. Coordinate documentation services. Store, retrieve, update & reproduce engineering documents. Ensure drawing & history files are accurate & current. Ensure all contractual documentation is delivered to govt customer. Assist in the development of documentation control processes. Review, assess, & implement engineering changes when received from the engineering organization. Check engineering change for appropriateness & accuracy. Compare to original drawings to assess degree of change & notify others. Implement changes to engineering change review process. Typical relevant experience of 2 to 5 years. (Professional Services)	Per Hour	$ 80.78
54151S	QGSI-PS23	Config. Mgmt Specialist—Senior	Facilitates complex, diverse, and/or technical organizational process/quality improvement activities. Identifies, analyzes, develops, and documents process improvements. Identifies process improvement training needs. Consults with middle/senior level management on process management and improvement. Identifies and makes recommendations for process improvements. Provides strong support for the overall management of the reported business unit's quality tools and techniques. Assisted by a team of less experienced process/quality analysts. May have lead responsibility for assigned direct reports. Requires strong communication and presentation skills. 7 to 10 years business experience including 2 to 4 years process improvement/quality and 2 to 4 years project management. (Professional Services)—N/A—7 to 10 years business experience including 2 to 4 years process improvement/quality and 2 to 4 years project management.	Per Hour	$ 119.65
54151S	QGSI-PS24	Database Analyst/Programmer	Partner in a team environment or be able to independently design, develop and implement database applications to accommodate user needs of moderate scope and complexity. Design database solutions, convert logical design into physical database, perform problem determination and resolution, and perform database design process and reviews. Monitors overall standards and procedures and assists in the integration of various systems utilizing database methodologies in design. Knowledge of multiple programming languages, IMS-DB, DB2, Oracle, SQL, JAVA, Sybase and/or Informix. Knowledge of Logical Data Modeling techniques, familiarity with software development life cycle. Typical relevant experience 2 to 5 years. (Professional Services)	Per Hour	$ 98.46
54151S	QGSI-PS25	Database Mgmt Specialist—Intermediate	Partner in a team environment or be able to independently maintain database applications to accommodate user needs of moderate scope and complexity. Perform database management, resolve database problems, provide database security. Monitors overall standards and procedures and assists in the integration of various systems utilizing	Per Hour	$ 87.99

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			database methodologies in production. Knowledge of multiple programming languages, IMS-DB, DB2, Oracle, SQL, JAVA, Sybase and/or Informix. Familiarity with software development life cycle. (Professional Services)		
54151S	QGSI-PS26	Database Management Specialist (Senior)	Lead in the team effort to maintain database applications to accommodate user needs. Consult and collaborate with multiple teams to perform database management, resolve database problems, provide database security. Knowledge of multiple programming languages, IMS-DB, DB2, Oracle, SQL, JAVA, Sybase and/or Informix. Experience in software life cycle. Typical relevant experience 8 years. (Professional Services)	Per Hour	$ 108.15
54151S	QGSI-PS27	Deployment Technician (Junior)	Works on relatively straightforward installation and/or maintenance assignments on network switching equipment. Technician for customer/company network systems installation and/or maintenance activities. Monitors network operations and resolves routine network monitoring problems. Monitors network performance; conducts routine monitoring equipment installation and maintenance activities; resolves routine trouble tickets. (Professional Services)	Per Hour	$ 77.09
54151S	QGSI-PS28	Deployment Technician (Intermediate)	Strong technical skill level working on complex assignments within the network systems installation and/or maintenance activities. Technician for customer/company network systems installation and/or maintenance activities. Resolves complex network problems involving power, network hardware and software, lines, modems and terminals. Uses software and hardware tools to identify and diagnose network status and problems; conducts complex network monitoring equipment installation and maintenance activities; resolves complex trouble tickets. Eight or more years applicable work experience. (Professional Services)	Per Hour	$ 109.21
54151S	QGSI-PS29	Deployment Technician (Senior)	Uses advanced technical expertise and problem solving resolution skills at the customer or company site providing guidance and direction for subordinate field/site engineering jobs. Schedules and prioritizes activities of subordinate site/field engineering jobs. Provides on-site coordination of related activities (ordering equipment, interface with engineering staff and customers). Twelve or more years applicable work experience. (Professional Services)	Per Hour	$ 115.64
54151S	QGSI-PS3	Application Developer/Programmer—Senior	Lead in the team effort to design, develop, code, test and debug new complex software or significant enhancements to existing complex software. Lead review of input for documentation of new or existing software. Apply existing and introduce new and approved technologies to develop solutions. Lead others in the application of principles, theories and concepts and use of methodologies, tools, documentation processes and test procedures to complete projects. May lead team to select and manage vendor. Typical relevant experience 8 years. (Professional Services)	Per Hour	$ 192.50
54151S	QGSI-PS30	Deployment Manager	Supervises a group of occupational and/or non-exempt employees. Assigns tasks, checks work, and develops schedules. Provides immediate supervision and may perform individual tasks related to group. Typically has 10 or more direct reports. Administers company policies and monitors the daily results, costs, and methods of own work group. Supervises network maintenance day-to-day activities at the customer site or remotely from a	Per Hour	$ 137.13

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			company location. Supervises and trains established installation and maintenance techniques, methods, and procedures. Ensures that all functions are performed in a timely fashion and meet customer and company specifications. Performs scheduled tests, installations, and adjustments to equipment. Ypically 5 years of relevant experience. (Professional Services)		
54151S	QGSI-PS31	Disaster Recovery Specialist (Junior)	Accountable for providing consultation, guidance and support in the areas of disaster recovery, business continuity and emergency response. May serve as point of contact for assigned BU's to develop strategies, processes and procedures to ensure ability to respond in the event of a disaster, including recovery and contingency plans to restore operations and mitigate customer impact. Responsibilities include plan design, development, maintenance, testing, client training and disaster response. May require building and leading multi-functional work teams to solve complex problems; conduct threat, vulnerability and criticality assessments, business impact analysis, plan development and testing. May deliver presentations and/or briefings to all levels of management, facilitate emergency response exercises, plan testing and real events. Typical relevant experience 2 – 5 years. (Professional Services)	Per Hour	$ 88.93
54151S	QGSI-PS32	Disaster Recovery Spec.—Intermediate	Responsible for providing leadership, consultation and support in the areas of disaster recovery, business continuity and emergency response. Duties include partnering with assigned BU's as strategies, processes and procedures are developed to ensure ability to respond in the event of a disaster, including contingency plans to restore operations and mitigate customer impact. Responsible for plan design, development, maintenance, testing, client training and disaster response. May require building and leading multi-functional work teams to solve complex problems; conduct threat, vulnerability and criticality assessments, business impact analysis, plan development and testing. May deliver presentations/briefings to all levels of management, facilitate emergency response exercises and real events. May have additional responsibility for systems and program support. Typical relevant experience 8 years. (Professional Services)	Per Hour	$ 130.15
54151S	QGSI-PS33	Disaster Recovery Specialist (Senior)	Corporate leader in providing standards, direction and support in areas of business continuity and emergency response. Partner with multiple BU's as strategies, processes and procedures are developed to ensure ability to respond in the event of a disaster to include business continuance plans to mitigate customer impact. Responsible for providing leadership in plan design, development, integration, maintenance, testing, client training and disaster response. Build and lead multi-functional work teams to solve complex problems; conduct threat, vulnerability and criticality assessments, business impact analysis, plan development and testing. Deliver presentations/briefings to all levels of management, facilitate emergency response exercises and real events. Act as technical expert on projects, participate in industry forums, best practice studies, etc. Typical relevant experience 10 – 12 years. (Professional Services)	Per Hour	$ 150.78

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54151S	QGSI-PS34	Functional Analyst (Junior)	Partner in a team environment in the analysis, acquisition, installation, modification, development and/or support of operating systems, utilities and internet/intranet-related tools. May be responsible for determination of system specification, input/output processes and working parameters for hardware and software compatibility. Conduct systems programming and systems support activities. Responsible for operating system maintenance utilizing associated utilities and tools. Involved in coordination of design of subsystems and integration of total system. May evaluate system(s) products for installability and system requirements. Typical relevant experience 0 – 2 years. (Professional Services)	Per Hour	$ 65.00
54151S	QGSI-PS35	Functional Analyst (Intermediate)	Partner in a team environment or be able to independently perform the analysis, acquisition, installation, modification, development and/or support of moderately complex operating system utilities and internet/intranet-related tools. Responsible for determination of system specification, input/output processes and working parameters for hardware and software compatibility. Conducts moderately complex systems programming and systems support activities. Responsible for operating system maintenance utilizing associated utilities and tools. Coordinate design of subsystems and integration of total system. Evaluate system(s) products for installability and system requirements. Typical relevant experience 2 – 5 years, including hardware/software integration experience. (Professional Services)	Per Hour	$ 90.51
54151S	QGSI-PS36	Functional Analyst (Senior)	Lead the team effort in the analysis, acquisition, installation, modification, development and/or support of complex operating systems, utilities and internet/intranet-related tools. Lead in the determination of system specification, input/output processes and working parameters for hardware and software compatibility. Perform complex systems programming and systems support activities. Responsible for operating system maintenance utilizing associated utilities and tools. Prepare and conduct system and programming tests requiring interfacing of hardware and software. Coordinate design of subsystems and integration of total system. Initiate and evaluate system(s) products for installability and system requirements. Typical relevant experience 8 years, including hardware/software integration experience. (Professional Services)	Per Hour	$ 118.79
54151S	QGSI-PS37	Hardware Specialist	Partner in a team environment or be able to independently install, repair, and perform preventative maintenance, (including upgrades and backups) of computer systems. May resolve hardware, software, network, and application problems. Recommend improvements to procedures and processes to enhance and improve solutions. Research and provide answers to questions in area of expertise. Provide input to define requirements; work with analyst and/or engineers. Provide consulting services for training, tools, technology, and methodology relating to implementing IT solutions in area of specialty. Perform analysis, problem-solving, and evaluation activities on special technical topics related to specific project activities. Typical relevant experience 2 – 5 years. (Professional Services)	Per Hour	$ 49.80

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54151S	QGSI-PS38	Hardware Technician	Partner with team or independently perform analysis of moderately complex local & wide area network systems. Plan, design, evaluate, select operating systems and protocol suites and configure communication media with concentrators, bridges and other devices. Resolve interoperability problems to obtain operations across all platforms including, e-mail, files transfer, multimedia, teleconferencing. Provide support to technical network systems. Provide in-depth assessment of customers' networked application needs; provide network modeling and simulation consulting; engineer solution. May assess new technical network system technologies. Knowledge of bridges, routers, gateways, transport media (such as UTP, COAX, or FIBER) using TCP/IP, IPX/SPX, SNA transport protocols, or Sonet, ATM, Frame relay, Ethernet, Token ring, or FDDI transport technologies. Typical relevant experience 2 – 5 years. (Professional Services)	Per Hour	$ 87.31
54151S	QGSI-PS39	Hardware Technician (Senior)	Lead the analysis of complex local and wide area network systems. Plan, design, evaluate, select operating systems and protocol suites and configure communication media. Lead team in resolution of interoperability problems to obtain operations across all platforms including, but not limited to, e-mail, files transfer, multimedia, teleconferencing. Lead the support of clients by consulting and recommending solutions. Lead the analysis of capacity studies and recommend technical solutions for infrastructure growth. Lead in assessing new and/or advanced technical network system technologies and recommend possible implementation strategies. Experience with bridges, routers, gateways, transport media (such as UTP, COAX, or FIBER) using TCP/IP, IPX/SPX, SNA transport protocols, or Sonet, ATM, Frame relay, Ethernet, Token ring, or FDDI transport technologies. Typical relevant experience 8 years. (Professional Services)	Per Hour	$ 90.09
54151S	QGSI-PS4	Application Systems Analyst (Junior)	Assist and/or partner in a team environment to identify, document, analyze, and communicate solutions to meet the needs of the business. Define current and future operational scenarios and work with other IT families and client groups to translate business needs into IT solution requirements. Deliver applications, systems, and services in the agreed upon time frames following standard project management methodologies. Analyze probable impact of recommendations and solutions on other IT families and client groups. Conduct post-implementation analysis. Typical relevant experience 0 to 2 years. (Professional Services)	Per Hour	$ 92.25
54151S	QGSI-PS40	Help Desk Specialist I	Diagnoses and troubleshoots incoming employee/customer calls. Provides support services for technical problems and information technology issues involving desktop, laptop or network services from local personnel or for network remote access. Provides timely resolution of problems or escalation on behalf of customer to appropriate technical personnel. Provides case status updates to management and end-users. Supports and maintains effective relationships with users. Implements standard operating procedures and customer service guidelines relating to remote IT support. Work assignments are moderately complex in nature where judgment is required to resolve problems and recommend resolution. Does not	Per Hour	$ 57.96

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			normally require instructions on routine work. May receive general instructions on new assignments. Typical relevant experience 0 to 2 years. (Professional Services)		
54151S	QGSI-PS41	Help Desk Specialist II	Under limited supervision, coordinates, diagnoses and troubleshoots incoming employee/customer calls. Provides support services for technical problems and information technology issues involving desktop, laptop or network services from local personnel or for network remote access. Provides timely resolution of problems or escalation on behalf of customer to appropriate technical personnel. Provides case status updates to management and end-users. Supports and maintains effective relationships with users. Work assignments are complex in nature where judgment is required to resolve problems and recommend resolution. Documents and implements standard operating procedures and customer service guidelines relating to remote IT support. Typical relevant experience 2 to 5 years. (Professional Services)	Per Hour	$ 68.19
54151S	QGSI-PS42	Help Desk Specialist III	Under general direction, responsible for escalations and working with Tier 2/Tier 3 departments across Qwest to quickly resolve and status issues resulting from employee/customer calls. Leads a team providing support services to employees/customers with technical problems and information technology issues involving desktop/laptop or network services from local personnel or for network remote access. Provides timely resolution of problems or escalation as appropriate. Provides case status updates to management and end-users. Supports & maintains effective relationships with users. Develops, documents, and implements standard operating procedures and customer service guidelines relating to remote IT support. Establishes and communicates common goal, and provides direction, training and guidance for team. Responsible for projects related to maintaining/improving operational performance of team. 8 years Relevant Experience. (Professional Services)	Per Hour	$ 86.93
54151S	QGSI-PS43	Help Desk Manager	Supervises group of occupational and/or non-exempt employees. Assigns tasks, checks work, and develops schedules. Provides immediate supervision and may perform individual tasks related to group. Typically has 10 or more direct reports. Administers company policies and monitors daily results, costs, and methods of own work group. Supervises employees involved with the planning, implementation, operation and support of the company's computer systems and equipment. Uses established guidelines to complete assignments through subordinates. Reviews computer equipment performance and coordinates delivery and installation of new equipment. Responsible for presenting technical information related to specific projects or tasks and communicating schedules and timelines. Typically 5 years of relevant experience. (Professional Services)	Per Hour	$ 109.87
54151S	QGSI-PS44	IP Engineer	Under limited supervision, performs engineering work and applied research, development, and design of new products. Work includes design, fabrication, modification, and evaluation of equipment and devices. Analyzes equipment to establish operating data and conducts experimental	Per Hour	$ 97.61

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			tests. This includes engineers who are capable of handling moderately complex engineering assignments. Two years applicable engineering design experience. (Professional Services)		
54151S	QGSI-PS45	IP Engineer (Senior)	Under general supervision, responsible for engineering part of a major project or entire project of lesser complexity. Performs engineering work and applied research, development, and design of new products. Work includes design, fabrication, modification, and evaluation of equipment and devices. Analyzes equipment to establish operating data and conducts experimental tests. May provide technical supervision to lower level engineers and other technical personnel. At least five years applicable engineering design experience. (Professional Services)	Per Hour	$ 131.47
54151S	QGSI-PS46	Information Engineer (Principal)	Using broad expertise is responsible for translating the client's business requirements into specific systems, applications or process designs for very large complex IT solutions and delivering innovative business consulting, business process design, systems integration, and application design. Works on significant or unique issues where analysis of situations or data requires an evaluation of intangibles. Exercises independent judgment in selecting methods, techniques and evaluation criteria for obtaining results while translating the needs of the business into system capabilities in the form of system requirement specifications and manages those requirements via a rigorous requirements management process. May supervise personnel in the design activities. Monitors project schedules and costs. Typical relevant experience 12 years. (Professional Services)	Per Hour	$ 251.40
54151S	QGSI-PS47	Information Technology Consultant	Contributes to the overall strategic vision of the IT organization and integrates a broad range of ideas regarding IT architecture. Recognized across the organization for IT architecture expertise and sought as a resource for resolution of unique or complex IT architecture problems. Undertakes multiple and highly complex IT architecture projects involving multiple disciplines and may impact multiple business units. Typical relevant experience 10 – 12 years. (Professional Services)	Per Hour	$ 203.38
54151S	QGSI-PS48	Information Technology Consultant—Senior	Identify, model, and plan software solutions to meet diverse and complex business opportunities. Serve as technical consultant to management. Provide advanced technical leadership in research, design, analysis and problem solving efforts to a special design team, technical review team or problem resolution team. Work independently and with considerable latitude in defining and pursuing special advanced engineering projects. Serve as architecture lead on major projects with the ability and expertise to develop overall architectural direction. Initiate and execute advanced research and development activities of importance to the future of the company with minimal supervision and review. Fifteen years engineering experience. (Professional Services)	Per Hour	$ 277.57
54151S	QGSI-PS49	Information Resource Management Analyst	Provides support to the sales force with professional responses to highly complex customer requests for information (RFI), proposals (RFP), and quotes (RFQ). Compiles product documentation; supporting information from operations, engineering and customer service; pricing & discount information, & prepares specific responses to customer requests.	Per Hour	$ 137.29

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			Acts as owner of the bid process, which includes managing initial kickoff call with relevant parties (sales, legal, product, billing, service, etc.), assigning & assuming responsibility for portions of RFP responses, coordinating legal review, identifying & resolving issues, & all associated tasks through creation of final document. Responds to customer service & billing inquiries regarding RFP. Provides clarification & information to Executives. May be required to provide advice & training to lower level employees. Understanding of integrated voice & data services. 8 years Relevant Experience. (Professional Services)		
54151S	QGSI-PS5	Application Systems Analyst—Intermediate	Partner in a team environment or be able to independently identify, document, analyze, and communicate solutions to meet the needs of the business. Define current and future operational scenarios and work with other IT families and client groups to translate moderately complex business needs into IT solution requirements. Deliver applications, systems, and services in the agreed upon time frames following standard project management methodologies. Analyze probable impact of recommendations and solutions on other IT families and client groups. Conduct post-implementation analysis. Typical relevant experience 2 – 5 years. (Professional Services)	Per Hour	$ 102.15
54151S	QGSI-PS50	Infrastructure Engineer (OSP)	Under general supervision, responsible for engineering part of a major project or entire project of lesser complexity. Performs engineering work and applied research, development, and design of outside plant copper and fiber optic cable installation for use in IT and unified communication infrastructure. Work includes design, fabrication, modification, and evaluation of related equipment and devices. Analyzes equipment to establish operating data and conducts experimental tests. May provide technical supervision to lower level engineers and other technical personnel. At least five years applicable engineering design experience. (Professional Services)	Per Hour	$ 114.45
54151S	QGSI-PS51	Infrastructure Engineer (ISP)	Under limited supervision, responsible for engineering part of a major project or entire project of lesser complexity. Performs engineering work and applied research, development, and design of inside plant copper and fiber optic cable installation for use in IT and unified communication infrastructure. Work includes design, fabrication, modification, and evaluation of related equipment and devices. Analyzes equipment to establish operating data and conducts experimental tests. This includes engineers who are capable of handling moderately complex engineering assignments. Two years applicable engineering design experience. (Professional Services)	Per Hour	$ 115.84
54151S	QGSI-PS52	IT Security Specialist (Junior)	Align with a mentor or manager to perform work. All work is subject to peer review. Assisting in the research of security threats; collect data on current virus threats, etc. Data preparation or aggregation with clear direction on where to obtain data. Assignments are well defined and finite in nature; or a repeatable process that is time bound. Monthly metric report generation. Compares security initiative against guidelines to determine compliance. Two years hands on experience in system, network and firewall engineering and administration. (Professional Services)	Per Hour	$ 127.39

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54151S	QGSI-PS53	IT Security Specialist (Intermediate)	Analyze research data and develop recommendation in their area of expertise. Act upon recommendations with leadership approval. Resource point for internal SMEs on internal project teams. Reference point for external Bus on security issues. Decision making within area of expertise. Two to four years hands on experience in system, network and firewall engineering and administration. (Professional Services)	Per Hour	$ 167.59
54151S	QGSI-PS54	IT Security Specialist (Senior)	Cross area expertise – subject matter experts in at least one security function. Analyze across multiple areas of responsibility (breath of knowledge required and depth of knowledge required in one area). Utilizes cross functional expertise to make recommendations for action affecting multiple functions (patch management; vulnerability assessments; virus management, security evaluation, monitoring, risk threat assessment, etc). May act as a mentor to lower level employees. Leads complex projects. Two-year degree and 8 to 10 years of relevant experience. Bachelor's degree and 4 to 6 years of relevant experience. Master's degree and 2 to 4 years of relevant experience. Five + years hands on experience in system, network and firewall engineering and administration. Professional security certifications (such as CISSP and SANS program) and technical certifications (such as MCSE, CCNA, CCSA, etc.) are preferred. (Professional Services)	Per Hour	$ 231.23
54151S	QGSI-PS55	IT Technicians (Junior)	Partner in a team environment in installing, repairing, and performing preventative maintenance (including upgrades and backups) of computer systems. May resolve hardware, software, network, and application problems. Install, test and modify new applications. Recommend and justify technical alternative approaches involving training, technology, methodology, tools, and processes. Perform tasks following work group methods and procedures and offer enhancements to work group methods and procedures. Research and provide answers to questions in area of expertise. Typical relevant experience 0 – 2 years. (Professional Services)	Per Hour	$ 63.44
54151S	QGSI-PS56	IT Technicians (Intermediate)	Lead the team effort in problem recognition, research, isolation, resolution and follow-up. Requires extensive experience and broad understanding of IT environment. Provide guidance/training for less experienced personnel. Troubleshoot software/hardware failures and identify network problems related to computer systems. Lead team in the design, implementation, and coordination of creative integrated solutions. Act as subject matter expert (SME) for areas of technical expertise. Recommend and justify best alternatives involving technology, methodology, tools, and processes. Lead changes to develop and implement procedures and processes to enhance and improve solutions. Accountable for quality and timeliness of solutions that meet customer needs. Typical relevant experience 8 years. (Professional Services)	Per Hour	$ 74.99
54151S	QGSI-PS57	IT Technicians (Senior)	Lead the team effort in problem recognition, research, isolation, resolution and follow-up. Requires extensive experience and broad understanding of IT environment. Provide guidance/training for less experienced personnel. Troubleshoot software/hardware failures and identify network problems related to computer systems.	Per Hour	$ 93.93

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			Lead team in the design, implementation, and coordination of creative integrated solutions. Act as subject matter expert (SME) for areas of technical expertise. Recommend and justify best alternatives involving technology, methodology, tools, and processes. Lead changes to develop and implement procedures and processes to enhance and improve solutions. Accountable for quality and timeliness of solutions that meet customer needs. Typical relevant experience 8+ years. (Professional Services)		
54151S	QGSI-PS58	LAN/Desktop Support Technician (Junior)	Diagnoses and troubleshoots incoming employee/customer calls. Provides support services for technical problems and information technology issues involving desktop, laptop or network services from local personnel or for network remote access. Provides timely resolution of problems or escalation on behalf of customer to appropriate technical personnel. Provides case status updates to management and end-users. Supports and maintains effective relationships with users. Implements standard operating procedures and customer service guidelines relating to remote IT support. Work assignments are moderately complex in nature where judgment is required to resolve problems and recommend resolution. Does not normally require instructions on routine work. May receive general instructions on new assignments. Typical relevant experience 2-5 years. (Professional Services)	Per Hour	$ 63.44
54151S	QGSI-PS59	LAN/Desktop Support Tech.—Intermediate	Under limited supervision, coordinates, diagnoses and troubleshoots incoming employee/customer calls. Provides support services for technical problems and information technology issues involving desktop, laptop or network services from local personnel or for network remote access. Provides timely resolution of problems or escalation on behalf of customer to appropriate technical personnel. Provides case status updates to management and end-users. Supports and maintains effective relationships with users. Work assignments are complex in nature where judgment is required to resolve problems and recommend resolution. Documents and implements standard operating procedures and customer service guidelines relating to remote IT support. Typical relevant experience 5 – 8 years. (Professional Services)	Per Hour	$ 82.82
54151S	QGSI-PS6	Application Systems Analyst (Senior)	Lead in a team effort and be accountable to identify, document, analyze, and communicate solutions to meet the needs of the business. Lead in the definition of current and future operational scenarios and work with other IT families and client groups to translate complex business needs into IT solution requirements. Lead in the delivery of applications, systems, and services in the agreed upon time frames following standard project management methodologies. Lead in the analysis of probable impact of recommendations and solutions on other IT families and client groups. Lead the team in conducting post-implementation analysis to identify process improvement opportunities. Typical relevant experience 8 years. (Professional Services)	Per Hour	$ 113.49
54151S	QGSI-PS60	LAN/Desktop Support Technician (Senior)	Under general direction, responsible for escalations and working with Tier 2/Tier 3 departments across Qwest to quickly resolve and status issues resulting from employee/customer calls. Leads a team	Per Hour	$ 93.93

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
			providing support services to employees/customers with technical problems and information technology issues involving desktop/laptop or network services from local personnel or for network remote access. Provides timely resolution of problems or escalation as appropriate. Provides case status updates to management and end-users. Supports & maintains effective relationships with users. Develops, documents, and implements standard operating procedures and customer service guidelines relating to remote IT support. Establishes and communicates common goal, and provides direction, training and guidance for team. Responsible for projects related to maintaining/improving operational performance of team. 8+ years Relevant Experience. (Professional Services)		
54151S	QGSI-PS61	Messaging Operator (Tier 1)	Strong technical skill level working on complex assignments within the network systems installation and/or maintenance activities. Technician for customer/company network systems installation and/or maintenance activities. Resolves complex network problems involving power, network hardware and software, lines, modems and terminals. Uses software and hardware tools to identify and diagnose network status and problems; conducts complex network monitoring equipment installation and maintenance activities; resolves complex trouble tickets; 5-8 years applicable work experience. (Professional Services)	Per Hour	$ 91.12
54151S	QGSI-PS62	Network/Messaging Operator/Tech.—Tier 2	Uses advanced technical expertise and problem solving resolution skills at the customer or company site providing guidance and direction for subordinate field/site engineering jobs. Schedules and prioritizes activities of subordinate site/field engineering jobs. Provides on-site coordination of related activities (ordering equipment, interface with engineering staff and customers) 8-10 years applicable work experience. (Professional Services)	Per Hour	$ 77.64
54151S	QGSI-PS63	Network/Messaging Manager (Tier 3)	Supervises a group of occupational and/or non-exempt employees. Assigns tasks, checks work, and develops schedules. Provides immediate supervision and may perform individual tasks related to group. Typically has 10 or more direct reports. Administers company policies and monitors the daily results, costs, and methods of own work group. Supervises network maintenance day-to-day activities at the customer site or remotely from a company location. Supervises and trains established installation and maintenance techniques, methods, and procedures. Ensures that all functions are performed in a timely fashion and meet customer and company specifications. Performs scheduled tests, installations, and adjustments to equipment. 10 – 12 years applicable work experience. (Professional Services)	Per Hour	$ 137.13
54151S	QGSI-PS64	NOC Technician (Junior)	Works on relatively straightforward installation and/or maintenance assignments on network switching equipment. Technician for customer/company network systems installation and/or maintenance activities. Monitors network operations and resolves routine network monitoring problems. Monitors network performance; conducts routine monitoring equipment installation and maintenance activities; resolves routine trouble tickets. Two to 5 years applicable work experience. (Professional Services)	Per Hour	$ 63.97

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
54151S	QGSI-PS65	NOC Technician (Mid)	Strong technical skill level working on complex assignments within the network systems installation and/or maintenance activities. Technician for customer/company network systems installation and/or maintenance activities. Resolves complex network problems involving power, network hardware and software, lines, modems and terminals. Uses software and hardware tools to identify and diagnose network status and problems; conducts complex network monitoring equipment installation and maintenance activities; resolves complex trouble tickets; Five to eight years applicable work experience. (Professional Services)	Per Hour	$ 87.06
54151S	QGSI-PS66	NOC Technician (Senior)	Uses advanced technical expertise and problem solving resolution skills at the customer or company site providing guidance and direction for subordinate field/site engineering jobs. Schedules and prioritizes activities of subordinate site/field engineering jobs. Provides on-site coordination of related activities (ordering equipment, interface with engineering staff and customers). 8 to 10 years applicable work experience (Professional Services)	Per Hour	$ 104.00
54151S	QGSI-PS67	NOC Manager	Supervises a group of occupational and/or non-exempt employees. Assigns tasks, checks work, and develops schedules. Provides immediate supervision and may perform individual tasks related to group. Typically has 10 or more direct reports. Administers company policies and monitors the daily results, costs, and methods of own work group. Supervises network maintenance day-to-day activities at the customer site or remotely from a company location. Supervises and trains established installation and maintenance techniques, methods, and procedures. Ensures that all functions are performed in a timely fashion and meet customer and company specifications. Performs scheduled tests, installations, and adjustments to equipment.Twelve or more years applicable work experience. (Professional Services)	Per Hour	$ 155.51
54151S	QGSI-PS68	Performance Fault Manager	Under limited supervision, performs engineering work and applied research, development, and design of new products. Work includes design, fabrication, modification, and evaluation of equipment and devices. Analyzes equipment to establish operating data and conducts experimental tests. This includes engineers who are capable of handling moderately complex engineering assignments. Two years applicable engineering design experience. (Professional Services)	Per Hour	$ 131.81
54151S	QGSI-PS69	Performance Manager	Under limited supervision, performs engineering work and applied research, development, design and support of enterprise IT networks. Work includes responsibility for multiple aspects of enterprise network performance data collection, analysis, and identifying/tracking corrective actions; and enterprise network troubleshooting support. Two years applicable engineering design experience. (Professional Services)	Per Hour	$ 135.31
54151S	QGSI-PS7	Applications Engineer	Partner in a team environment to design, develop, code, test and debug new software or significant enhancements to existing software. Perform maintenance on existing software. Apply principles, theories and concepts and use methodologies, tools, documentation processes and test procedures to complete projects. Typical relevant experience 0 – 2 years. (Professional Services)	Per Hour	$ 99.74

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
54151S	QGSI-PS70	Program Manager	Develops, plans and manages implementation of activities for extremely highly complex projects/programs for external/internal customers. Responsible for budget and expense control for project and strategic alignment of project to corporate objectives. Accountable for timely project completion and delivery. Analyzes work plans and schedules. Responsible for resource requirements/allocation. Develops methodologies, procedures, and systems to produce financial reporting. Acts as project/program team leader. Develops project progress and status reports. Requires completion of formal, externally recognized project certification requirements (e.g. PMI). Typically 8 years or relevant experience. (Professional Services)	Per Hour	$ 204.65
54151S	QGSI-PS71	Program Manager (Senior)	Manages the work of subordinate supervisors and/or exempt management employees. Leads functional area within a business unit. Accountable for results, costs, methods, and staffing of functional area. Rarely performs the work of subordinates. Typically has 6 to 8 direct reports. Establishes and assures adherence to budgets, schedules, work plans and performance requirements. Manages projects involving department or cross-functional teams from initiation through implementation. Obtains, plans and directs resource schedules as well as project budgets. Organizes interdepartmental activities ensuring completion of the program/project on schedule and within budget constraints. 10 to 15 years experience in communications including 5 to 8 years project management experience. (Professional Services)	Per Hour	$ 268.89
54151S	QGSI-PS72	Project Control Specialist	Participates and impacts the overall operational and financial effectiveness of Government programs. Utilizes financial and project status data from various accounting and information systems to ensure compliance with contract deliverables and cost/schedule requirements. Responsible for the oversight of the day-to-day activities of the program. May manage up to four Program Control Specialists. Coordinator for all contract deliverables and communication with customers to ensure accurate and timely delivery. Performs statistical, cost, and financial analysis of data reported in the financial systems. Develops financial reports for forecasting, trending, and results analysis, both internal and external. Ensures compliance with internal procedures, applicable laws and regulations. Five to seven years related experience in the Federal Govt Sector; extensive experience interfacing with customers (US govt customers preferred). (Professional Services)	Per Hour	$ 123.50
54151S	QGSI-PS73	Project Manager	Develops, plans and manages implementation of activities for extremely highly complex projects/programs for external/internal customers. Responsible for budget and expense control for project and strategic alignment of project to corporate objectives. Accountable for timely project completion and delivery. Analyzes work plans and schedules. Responsible for resource requirements/allocation. Develops methodologies, procedures, and systems to produce financial reporting. Acts as project/program team leader. Develops project progress and status reports. Requires completion of formal, externally recognized project certification requirements (e.g.	Per Hour	$ 192.96

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
			PMI). 10 to 15 years telecommunications experience including 5 to 8 years project management experience. (Professional Services)		
54151S	QGSI-PS74	Unified Communications Tech (Junior)	Works on relatively straightforward installation and/or maintenance assignments on network switching equipment. Technician for customer/company network systems installation and/or maintenance activities. Monitors network operations and resolves routine network monitoring problems. Monitors network performance; conducts routine monitoring equipment installation and maintenance activities; resolves routine trouble tickets. (Professional Services)	Per Hour	$ 74.99
54151S	QGSI-PS75	Unified Communications Tech—Intermediate	Strong technical skill level working on complex assignments within the network systems installation and/or maintenance activities. Technician for customer/company network systems installation and/or maintenance activities. Resolves complex network problems involving power, network hardware and software, lines, modems and terminals. Uses software and hardware tools to identify and diagnose network status and problems; conducts complex network monitoring equipment installation and maintenance activities; resolves complex trouble tickets; Eight or more years applicable work experience. (Professional Services)	Per Hour	$ 119.76
54151S	QGSI-PS76	Unified Communications Tech (Senior)	Uses advanced technical expertise and problem solving resolution skills at the customer or company site providing guidance and direction for subordinate field/site engineering jobs. Schedules and prioritizes activities of subordinate site/field engineering jobs. Provides on-site coordination of related activities (ordering equipment, interface with engineering staff and customers) Twelve or more years applicable work experience. (Professional Services)	Per Hour	$ 149.08
54151S	QGSI-PS77	Quality Assurance Analyst	Partner in a team environment or be able to independently design, develop, and implement methods to test and troubleshoot newly developed or redesigned products, systems, or equipment of moderate scope and complexity. Responsible for one or more of the following functions: perform test design and analysis, plan and execute test methodologies, provide technical support, design test result reports. Designs, develops and implements testing software and tools. Typical relevant experience 2 – 5 years. Knowledge of Cobol, Cobol II, JAVA, CICS, Focus, C, C++ and SQL. Knowledge of test techniques and generally accepted practices; familiarity with software development life cycle. (Professional Services)	Per Hour	$ 103.60
54151S	QGSI-PS78	Quality Assurance Specialist	Lead in the design, development, and implementation of methods to test and troubleshoot newly developed or redesigned products, systems, or equipment of a complex scope. Includes: test design and analysis, test methodologies, technical support and test result reports. Disseminate information on identified testing defects and recommend resolutions. Lead and maintain end-to-end view of complex systems and identify downstream effects of testing. Isolate critical test results data based on software requirements, make test recommendations and lead efforts to improve efficiencies. May work with vendors to identify, evaluate, select and implement new testing products. Typical relevant experience 8 years. Knowledge of Cobol, Cobol II, JAVA, CICS, Focus, C, C++ and SQL. Experience in test techniques and	Per Hour	$ 112.17

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
			generally accepted practices, software life cycle. (Professional Services)		
54151S	QGSI-PS79	Quality Assurance Manager	Manages work of subordinate supervisors and/or exempt management employees. Leads functional area within business unit. Accountable for results, costs, methods, and staffing of functional area. Rarely performs work of subordinates. Typically has 6 to 8 direct reports. Establishes and assures adherence to budgets, schedules, work plans and performance requirements. Manages the activities of the quality assurance function to ensure that all information system products and software operate properly and are free of defect. Involved in the development, modification and implementation of guidelines and policies to ensure that all software and information systems meet the end-user requirements. Drives the work plans and provides technical direction to programmers, analysts, and engineers dedicated to quality assurance of software and information systems. Typically 10+ years of relevant experience. (Professional Services)	Per Hour	$ 204.98
54151S	QGSI-PS8	Applications Engineer (Intermediate)	Partner in a team environment or be able to independently design, develop, code, test and debug new software or significant enhancements to existing software of moderate complexity. Develop solutions across many disciplines and be responsible for explaining solutions and procedures. Apply principles, theories and concepts and use methodologies, tools, documentation processes and test procedures to complete projects related to moderately complex software. Typical relevant experience 2 – 5 years. (Professional Services)	Per Hour	$ 115.12
54151S	QGSI-PS80	Security Information System Validator	Analyze research data and develop recommendation in their area of expertise. Act upon recommendations with leadership approval. Resource point for internal SMEs on internal project teams. Reference point for external Bus on security issues. Decision making within area of expertise. 2 to 3 years hands on experience in system, network and firewall engineering and administration. (Professional Services)	Per Hour	$ 108.76
54151S	QGSI-PS81	Senior Security Info. System Validator	Cross area expertise – subject matter experts in at least one security function. Analyze across multiple areas of responsibility (breath of knowledge required and depth of knowledge required in one area). Utilizes cross functional expertise to make recommendations for action affecting multiple functions (patch management; vulnerability assessments; virus management, security evaluation, monitoring, risk threat assessment, etc). May act as a mentor to lower level employees. Leads complex projects. Five + years hands on experience in system, network and firewall engineering and administration. Professional security certifications (such as CISSP and SANS program) and technical certifications (such as MCSE, CCNA, CCSA, etc.) are preferred. (Professional Services)	Per Hour	$ 151.87
54151S	QGSI-PS82	Subject Matter Expert	Contributes to the overall strategic vision of the IT organization and integrates a broad range of ideas regarding IT architecture. Recognized across the organization for IT architecture expertise and sought as a resource for resolution of unique or complex IT architecture problems. Undertakes multiple and highly complex IT architecture projects involving multiple disciplines and may impact multiple	Per Hour	$ 170.42

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
			business units. Typical relevant experience 10 – 12 years. (Professional Services)		
54151S	QGSI-PS83	System Developer (Junior)	Partner in a team environment in the analysis, acquisition, installation, modification, development and/or support of operating systems, utilities and internet/intranet-related tools. May be responsible for determination of system specification, input/output processes and working parameters for hardware and software compatibility. Conduct systems programming and systems support activities. Responsible for operating system maintenance utilizing associated utilities and tools. Involved in coordination of design of subsystems and integration of total system. May evaluate system(s) products for installability and system requirements. Typical relevant experience 0 – 2 years. (Professional Services)	Per Hour	$ 113.57
54151S	QGSI-PS84	System Developer (Intermediate)	Partner in a team environment or be able to independently perform the analysis, acquisition, installation, modification, development and/or support of moderately complex operating system utilities and internet/intranet-related tools. Responsible for determination of system specification, input/output processes and working parameters for hardware and software compatibility. Conducts moderately complex systems programming and systems support activities. Responsible for operating system maintenance utilizing associated utilities and tools. Coordinate design of subsystems and integration of total system. Evaluate system(s) products for installability and system requirements. Typical relevant experience 2 – 5 years, including hardware/software integration experience. (Professional Services)	Per Hour	$ 131.59
54151S	QGSI-PS85	System Developer (Senior)	Lead the team effort in the analysis, acquisition, installation, modification, development and/or support of complex operating systems, utilities and internet/intranet-related tools. Lead in the determination of system specification, input/output processes and working parameters for hardware and software compatibility. Perform complex systems programming and systems support activities. Responsible for operating system maintenance utilizing associated utilities and tools. Prepare and conduct system and programming tests requiring interfacing of hardware and software. Coordinate design of subsystems and integration of total system. Initiate and evaluate system(s) products for installability and system requirements. Typical relevant experience 8 years, including hardware/software integration experience. (Professional Services)	Per Hour	$ 192.50
54151S	QGSI-PS86	System Operations Manager	Manages work of subordinate supervisors and/or exempt management employees. Leads functional area within business unit. Accountable for results, costs, methods, and staffing of functional area. Rarely performs work of subordinates. Typically has 6 to 8 direct reports. Establishes and assures adherence to budgets, schedules, work plans and performance requirements. Manages all aspects of administration of computer and information systems. Develops, prepares, reviews, and consolidate corporate information and computer systems plans and objectives. Establishes polices in research, design, planning and development of new systems and technology requirements including software and hardware. Involved in developing, modifying and	Per Hour	$ 152.14

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
			implementing policies, standards, and methods. Typically 8 years of relevant experience. (Professional Services)		
54151S	QGSI-PS87	System Operator	Partner in a team environment in the analysis, acquisition, installation, modification, development and/or support of operating systems, utilities and internet/intranet-related tools. May be responsible for determination of system specification, input/output processes and working parameters for hardware and software compatibility. Conduct systems programming and systems support activities. Responsible for operating system maintenance utilizing associated utilities and tools. Involved in coordination of design of subsystems and integration of total system. May evaluate system(s) products for installability and system requirements. Typical relevant experience 0 – 2 years. (Professional Services)	Per Hour	$ 83.26
54151S	QGSI-PS88	Systems Administrator (Junior)	Partner in a team environment in the analysis, acquisition, installation, modification, development and/or support of operating systems, utilities and internet/intranet-related tools. May be responsible for determination of system specification, input/output processes and working parameters for hardware and software compatibility. Conduct systems programming and systems support activities. Responsible for operating system maintenance utilizing associated utilities and tools. Involved in coordination of design of subsystems and integration of total system. May evaluate system(s) products for installability and system requirements. Typical relevant experience 2 -5 years. (Professional Services)	Per Hour	$ 79.95
54151S	QGSI-PS89	Systems Administrator	Partner in a team environment or be able to independently perform the analysis, acquisition, installation, modification, development and/or support of moderately complex operating system utilities and internet/intranet-related tools. Responsible for determination of system specification, input/output processes and working parameters for hardware and software compatibility. Conducts moderately complex systems programming and systems support activities. Responsible for operating system maintenance utilizing associated utilities and tools. Coordinate design of subsystems and integration of total system. Evaluate system(s) products for installability and system requirements. Bachelor's degree in Computer Science, Electrical Engineering, a related field or equivalent experience. Typical relevant experience 5+ years, including hardware/software integration experience. (Professional Services)	Per Hour	$ 88.82
54151S	QGSI-PS9	Applications Engineer (Senior)	Lead in the team effort to design, develop, code, test and debug new complex software or significant enhancements to existing complex software. Lead review of input for documentation of new or existing software. Apply existing and introduce new and approved technologies to develop solutions. Lead others in the application of principles, theories and concepts and use of methodologies, tools, documentation processes and test procedures to complete projects. May lead team to select and manage vendor. Typical relevant experience 8 years. (Professional Services)	Per Hour	$ 133.67
54151S	QGSI-PS90	Systems Architect	Using broad expertise is responsible for translating the client's business requirements into specific systems, applications or process designs for very	Per Hour	$ 250.12

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
			large complex IT solutions and delivering innovative business consulting, business process design, systems integration, and application design. Works on significant or unique issues where analysis of situations or data requires an evaluation of intangibles. Exercises independent judgment in selecting methods, techniques and evaluation criteria for obtaining results while translating the needs of the business into system capabilities in the form of system requirement specifications and manages those requirements via a rigorous requirements management process. May supervise personnel in the design activities. Monitors project schedules and costs. Typical relevant experience 12 years. (Professional Services)		
54151S	QGSI-PS93	Systems Engineer	Partner in a team environment or be able to independently identify, document, analyze, and communicate solutions to meet the needs of the business. Define current and future operational scenarios and work with other IT families and client groups to translate moderately complex business needs into IT solution requirements. Deliver applications, systems, and services in the agreed upon time frames following standard project management methodologies. Analyze probable impact of recommendations and solutions on other IT families and client groups. Conduct post-implementation analysis. Typical relevant experience 2 – 5 years. (Professional Services)	Per Hour	$ 143.86
54151S	QGSI-PS94	Systems Engineer (Senior)	Using a wide range of experience is responsible for translating the client's business requirements into specific systems, applications or process designs for very large complex IT solutions and delivering innovative business consulting, business process design, systems integration, and application design. Works on complex issues where analysis of situations or data requires an in-depth evaluation of variable factors. Exercises judgment in selecting methods, techniques and evaluation criteria for obtaining results while translating the needs of the business into system capabilities in the form of system requirement specifications and manages those requirements via a rigorous requirements management process. May provide guidance and direction to other personnel in the design activities. Monitors project schedules and costs. Typical relevant experience 8 years. (Professional Services)	Per Hour	$ 191.23
54151S	QGSI-PS95	Technical Writer/Editor	Edits, rewrites and authenticates technical user manuals, application papers, product descriptions, data sheets and specification books. Receives text from technical staff and rewrites documentation in a clear and concise style. Improves editorial and visual standards for documents and recommends new designs, layouts and procedures as needed. Must be capable of writing concise, easy-to-read publications/procedures for non-technical users, and technical engineering documents for technical experts. Ability to take responsibility for the publication process including graphics, layout, and document templates/design. Ability to observe a process or procedure and produce instructional guides/process flow/procedure documents, engineering change proposals, training materials, reports, catalogs, online documentation, multimedia presentations, and sales promotion materials. Typically requires 5 yrs relevant experience. (Professional Services)	Per Hour	$ 101.93

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54151S	QGSI-PS96	Technical Writer/Editor (Senior)	Oversees writing, editing and authenticating of technical and promotional materials including media advertising pieces, marketing collateral, promotional literature, articles, internal/external publications and other assigned projects. Requires a thorough knowledge of company products, Services, marketing strategies and company editorial standards/practices. Contacts internal and external sources to develop copy content. Receives little supervision for most assignments. Works on complex issues which requires input from multiple sources and innovative problem solving. Acts in a multi-discipline project leadership role working towards the development of new solutions, processes, tools and systems. InterfProCare to negotiate and exchange information with all levels of management. Focus on company-wide processes and initiatives. Typical relevant experience of 8 years. (Professional Services)	Per Hour	$ 145.37
54151S	QGSI-PS97	Test Engineer (Junior)	Partner in a team environment to design, develop, and implement methods to test and troubleshoot newly developed or redesigned products, systems, or equipment of a defined scope and complexity. May perform and be responsible for one or more of the following functions: perform test design and analysis, plan and execute test methodologies, provide technical support, design test result reports. Typical relevant experience 0 – 2 years. Knowledge of at least two programming languages. (Professional Services)	Per Hour	$ 82.00
54151S	QGSI-PS98	Test Engineer (Intermediate)	Partner in a team environment or be able to independently design, develop, and implement methods to test and troubleshoot newly developed or redesigned products, systems, or equipment of moderate scope and complexity. Responsible for one or more of the following functions: perform test design and analysis, plan and execute test methodologies, provide technical support, design test result reports. Designs, develops and implements testing software and tools. Typical relevant experience 2 – 5 years. Knowledge of Cobol, Cobol II, JAVA, CICS, Focus, C, C++ and SQL. 240rocesses240 of test techniques and generally accepted practices; familiarity with software development life cycle. (Professional Services)	Per Hour	$ 104.87
54151S	QGSI-PS99	Test Engineer (Senior)	Lead in the design, development, and implementation of methods to test and troubleshoot newly developed or redesigned products, systems, or equipment of a complex scope. Includes: test design and analysis, test methodologies, technical support and test result reports. Disseminate information on identified testing defects and recommend resolutions. Lead and maintain end-to-end view of complex systems and identify downstream effects of testing. Isolate critical test results data based on software requirements, make test recommendations and lead efforts to improve efficiencies. May work with vendors to identify, evaluate, select and implement new testing products. Typical relevant experience 8 years. Knowledge of Cobol, Cobol II, JAVA, CICS, Focus, C, C++ and SQL. Experience in test techniques and generally accepted practices, software life cycle. (Professional Services)	Per Hour	$ 139.17
54151S	QGSI-PS204	SAP ABAP – Junior	Consultant with 3-5 years experience with the SAP ABAP programming language including JAVA, used	Per Hour	$ 110.83

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			for development and customization purposes in SAP software. Provide SAP application server programming, operations, testing, documentation of most of the SAP programs that are executed under the control of the run-time system.		
54151S	QGSI-PS205	SAP ABAP – Intermediate	Consultant with 6-11 years experience with the SAP ABAP programming language including JAVA, used for development and customization purposes in SAP software. Provide SAP application server programming, operations, testing, documentation of most of the SAP programs that are executed under the control of the run-time system.	Per Hour	$ 144.08
54151S	QGSI-PS206	SAP ABAP – Senior	Consultant with 12+ years experience with the SAP ABAP programming language including JAVA, used for development and customization purposes in SAP software. Provide SAP application server programming, operations, testing, documentation of most of the SAP programs that are executed under the control of the run-time system.	Per Hour	$ 160.71
54151S	QGSI-PS207	SAP ABAP with S4 HANA or CDS Views – Junior	Consultant with 3-5 years experience with the SAP ABAP programming language including JAVA, used for development and customization purposes in SAP software. Provide SAP application server programming, operations, testing, documentation of most of the SAP programs that are executed under the control of the run-time system. This resource will specifically have S/4 HANA and/or CDS Views skills & experience.	Per Hour	$ 166.75
54151S	QGSI-PS208	SAP ABAP with S4 HANA or CDS Views – Intermediate	Consultant with 6-11 years experience with the SAP ABAP programming language including JAVA, used for development and customization purposes in SAP software. Provide SAP application server programming, operations, testing, documentation of most of the SAP programs that are executed under the control of the run-time system. This resource will specifically have S/4 HANA and/or CDS Views skills & experience.	Per Hour	$ 177.33
54151S	QGSI-PS209	SAP ABAP with S4 HANA or CDS Views – Senior	Consultant with 3-5 years experience with the SAP ABAP programming language including JAVA, used for development and customization purposes in SAP software. Provide SAP application server programming, operations, testing, documentation of most of the SAP programs that are executed under the control of the run-time system. This resource will specifically have S/4 HANA and/or CDS Views skills & experience.	Per Hour	$ 193.95
54151S	QGSI-PS210	SAP ECC MM/SD/FICO (w/o complex skills) – Junior	Consultant with 3-5 years experience with SAP ECC and specifically SAP Materials Management (MM) , SAP Sales & 241rocesses241241n (SD) , SAP Finance and Controlling (FICO) modules. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 160.71
54151S	QGSI-PS211	SAP ECC MM/SD/FICO (w/o complex skills) – Intermediate	Consultant with 6-11 years experience with SAP ECC and specifically SAP Materials Management (MM) , SAP Sales & 241rocesses241241n (SD) , SAP Finance and Controlling (FICO) modules. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 177.33
54151S	QGSI-PS212	SAP ECC MM/SAP PP (w/o complex skills) – Senior	Consultant with 12+ years experience with SAP ECC and specifically SAP Materials Management (MM) , SAP Sales & 241rocesses241241n (SD) , SAP Finance and Controlling (FICO) modules. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 193.95

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
54151S	QGSI-PS213	SAP S/4 WM/SAP PP – Junior	Consultant with 3-5 years experience with SAP S/4 HANA and specifically SAP Warehouse Management (WM) , SAP Production Planninng (PP). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 166.25
54151S	QGSI-PS214	SAP S/4 WM/SAP PP – Intermediate	Consultant with 6-11 years experience with SAP S/4 HANA and specifically SAP Warehouse Management (WM) , SAP Production Planninng (PP). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 215.12
54151S	QGSI-PS215	SAP S/4 WM/SAP PP – Senior	Consultant with 12+ years experience with SAP S/4 HANA and specifically SAP Warehouse Management (WM) , SAP Production Planninng (PP). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 243.73
54151S	QGSI-PS216	SAP Extended Warehouse Management (EWM) – Junior	Consultant with 3-5 years experience with SAP Extended Warehouse Management (EWM). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 203.08
54151S	QGSI-PS217	SAP Extended Warehouse Management (EWM) – Intermediate	Consultant with 6-11 years experience with SAP Extended Warehouse Management (EWM). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 225.19
54151S	QGSI-PS218	SAP Extended Warehouse Management (EWM) – Senior	Consultant with 12 years experience with SAP Extended Warehouse Management (EWM). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 253.80
54151S	QGSI-PS219	SAP S/4 MM/SD – Junior	Consultant with 3-5 years experience with SAP S/4 HANA and specifically SAP Materials Management (MM) and SAP Sales & 242rocesses242242n (SD). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 182.87
54151S	QGSI-PS220	SAP S/4 MM/SD – Intermediate	Consultant with 6-11 years experience with SAP S/4 HANA and specifically SAP Materials Management (MM) and SAP Sales & 242rocesses242242n (SD). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 205.04
54151S	QGSI-PS221	SAP S/4 MM/SD – Senior	Consultant with 12+ years experience with SAP S/4 HANA and specifically SAP Materials Management (MM) and SAP Sales & 242rocesses242242n (SD). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 232.75
54151S	QGSI-PS222	SAP ECC QM/PLM/PS/EHS/PM – Junior	Consultant with 3-5 years experience with SAP ECC and specifically SAP Quality Management (QM), SAP Product Lifecycle Management (PLM), SAP Project System (PS), SAP Environmental Health and Safety (EHS) , and SAP Predictive Maintenance (PM). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 166.25
54151S	QGSI-PS223	SAP ECC QM/PLM/PS/EHS/PM – Intermediate	Consultant with 6-11 years experience with SAP ECC and specifically SAP Quality Management (QM), SAP Product Lifecycle Management (PLM), SAP Project System (PS), SAP Environmental Health and Safety (EHS) , and SAP Predictive Maintenance (PM). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 205.04

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
54151S	QGSI-PS224	SAP ECC QM/PLM/PS/EHS/PM – Senior	Consultant with 12+ years experience with SAP ECC and specifically SAP Quality Management (QM), SAP Product Lifecycle Management (PLM), SAP Project System (PS), SAP Environmental Health and Safety (EHS) , and SAP Predictive Maintenance (PM). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 232.74
54151S	QGSI-PS225	SAP S/4 QM/PLM/PS/EHS/PM – Junior	Consultant with 3-5 years experience with SAP S/4 HANA and specifically SAP Quality Management (QM), SAP Product Lifecycle Management (PLM), SAP Project System (PS), SAP Environmental Health and Safety (EHS) , and SAP Predictive Maintenance (PM). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 193.00
54151S	QGSI-PS226	SAP S/4 QM/PLM/PS/EHS/PM – Intermediate	Consultant with 6-11 years experience with SAP S/4 HANA and specifically SAP Quality Management (QM), SAP Product Lifecycle Management (PLM), SAP Project System (PS), SAP Environmental Health and Safety (EHS) , and SAP Predictive Maintenance (PM). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 215.11
54151S	QGSI-PS227	SAP S/4 QM/PLM/PS/EHS/PM – Senior	Consultant with 12+ years experience with SAP S/4 HANA and specifically SAP Quality Management (QM), SAP Product Lifecycle Management (PLM), SAP Project System (PS), SAP Environmental Health and Safety (EHS) , and SAP Predictive Maintenance (PM). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 243.73
54151S	QGSI-PS228	SAP CO – CONTROLLING Material Ledger – Junior	Consultant with 3-5 years experience with SAP Controlling (CO) Material Ledger. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 193.00
54151S	QGSI-PS229	SAP CO – CONTROLLING Material Ledger – Intermediate	Consultant with 6-11 years experience with SAP Controlling (CO) Material Ledger. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 215.11
54151S	QGSI-PS230	SAP CO – CONTROLLING Material Ledger – Senior	Consultant with 12+ years experience with SAP Controlling (CO) Material Ledger. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 243.73
54151S	QGSI-PS231	SAP Concur Solution/ SAP Integration – Junior	Consultant with 3-5 years experience with SAP Concur. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 193.95
54151S	QGSI-PS232	SAP Concur Solution/ SAP Integration – Intermediate	Consultant with 6-11 years experience with SAP Concur. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 216.12
54151S	QGSI-PS233	SAP Concur Solution/ SAP Integration – Senior	Consultant with 12+ years experience with SAP Concur. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 243.83
54151S	QGSI-PS234	SAP FICO with S4 HANA or Treasury, Cash 243rocesses243 or Funds/Grant Management – Junior	Consultant with 3-5 years experience with SAP S/4 HANA and specifically SAP Finance and Controlling (FICO) or Treasury and Risk Management, Cash Management or Fund/Grant Management. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 193.95

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
54151S	QGSI-PS235	SAP FICO with S4 HANA or Treasury, Cash 244rocesses244 or Funds/Grant Management – Intermediate	Consultant with 6-11 years experience with SAP S/4 HANA and specifically SAP Finance and Controlling (FICO) or Treasury and Risk Management, Cash Management or Fund/Grant Management. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 216.12
54151S	QGSI-PS236	SAP FICO with S4 HANA or Treasury, Cash 244rocesses244 or Funds/Grant Management – Senior	Consultant with 12+ years experience with SAP S/4 HANA and specifically SAP Finance and Controlling (FICO) or Treasury and Risk Management, Cash Management or Fund/Grant Management. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 243.83
54151S	QGSI-PS237	SAP BPC/Group Reporting FUNCTIONAL or BPC/Group Reporting Technical – Junior	Consultant with 3-5 years experience with SAP Business Planning and Consolidation (BPC) Technical and/or Functional. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 193.95
54151S	QGSI-PS238	SAP BPC/Group Reporting FUNCTIONAL or BPC/Group Reporting Technical – Intermediate	Consultant with 6-11 years experience with SAP Business Planning and Consolidation (BPC) Technical and/or Functional. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 216.12
54151S	QGSI-PS239	SAP BPC/Group Reporting FUNCTIONAL or BPC/Group Reporting Technical – Senior	Consultant with 12+ years experience with SAP Business Planning and Consolidation (BPC) Technical and/or Functional. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 243.83
54151S	QGSI-PS240	SAP PI PO – Junior	Consultant with 3-5 years experience with SAP Process Integration/Process Orchestration (PI/PO). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 149.62
54151S	QGSI-PS241	SAP PI PO – Intermediate	Consultant with 6-11 years experience with SAP Process Integration/Process Orchestration (PI/PO). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 171.79
54151S	QGSI-PS242	SAP PI PO – Senior	Consultant with 12+ years experience with SAP Process Integration/Process Orchestration (PI/PO). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 199.50
54151S	QGSI-PS243	SAP Pi/PO with HANA Cloud/Concur Technical – Intermediate	Consultant with 6-11 years experience with SAP Process Integration/Process Orchestration (PI/PO) and HANA Cloud/Concur skills. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 188.41
54151S	QGSI-PS244	SAP Pi/PO with HANA Cloud/Concur Technical – Senior	Consultant with 12+ years experience with SAP Process Integration/Process Orchestration (PI/PO) and HANA Cloud/Concur skills. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 210.58
54151S	QGSI-PS245	SAP BASIS – Junior	Consulting with 3-5 years of experience to perform user administration, authorization, and management of all databases in SAP. This can include the installation, configuration, updating, patching, migration, and troubleshooting of technical problems on the SAP system.	Per Hour	$ 166.25
54151S	QGSI-PS246	SAP BASIS – Intermediate	Consulting with 6-11 years of experience to perform user administration, authorization, and management	Per Hour	$ 211.59

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MAS SIN	MFR Part Number	Product Name/ Service Proposed	Product Description	Type	GSA Price w/ IFF
			of all databases in SAP. This can include the installation, configuration, updating, patching, migration, and troubleshooting of technical problems on the SAP system.		
54151S	QGSI-PS247	SAP BASIS – Senior	Consulting with 12+ years of experience to perform user administration, authorization, and management of all databases in SAP. This can include the installation, configuration, updating, patching, migration, and troubleshooting of technical problems on the SAP system.	Per Hour	$ 241.81
54151S	QGSI-PS248	SAP BASIS with HANA and/or Solution Manager or any complex skills combination – Intermediate	Consultant with 6-11 years experience with SAP Solution Manager and HANA Cloud and/or complex skills. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 191.44
54151S	QGSI-PS249	SAP BASIS with HANA and/or Solution Manager or any complex skills combination – Senior	Consultant with 12+ years experience with SAP Solution Manager and HANA Cloud and/or complex skills. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 241.81
54151S	QGSI-PS250	SAP SECURITY – Junior	Consulting with 3-5 years of experience with SAP Security. This can include the installation, configuration, updating, patching, migration, and troubleshooting of security problems on the SAP system.	Per Hour	$ 181.36
54151S	QGSI-PS251	SAP SECURITY – Intermediate	Consulting with 6-11 years of experience with SAP Security. This can include the installation, configuration, updating, patching, migration, and troubleshooting of security problems on the SAP system.	Per Hour	$ 221.66
54151S	QGSI-PS252	SAP SECURITY – Senior	Consulting with 12+ years of experience with SAP Security. This can include the installation, configuration, updating, patching, migration, and troubleshooting of security problems on the SAP system.	Per Hour	$ 241.81
54151S	QGSI-PS253	SAP HANA SECURITY and or SAP GRC – Intermediate	Consulting with 6-11 years of experience with SAP Security and specifically with SAP HANA and/or SAP Governance, Risk and Compaliance (GRC). This can include the installation, configuration, updating, patching, migration, and troubleshooting of security problems on the SAP system.	Per Hour	$ 201.51
54151S	QGSI-PS254	SAP HANA SECURITY and or SAP GRC – Senior	Consulting with 12+ years of experience with SAP Security and specifically with SAP HANA and/or SAP Governance, Risk and Compaliance (GRC). This can include the installation, configuration, updating, patching, migration, and troubleshooting of security problems on the SAP system.	Per Hour	$ 241.81
54151S	QGSI-PS255	SAP Retail POSDTA/SAP Retail Master Data/SAP CAR/SAP FMS – Junior	Consultant with 3-5 years experience with SAP Retail POSDTA, SAP Retail Master, SAP Customer Activity Repository (CAR), and SAP Fashion Management Solution (FMS). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 181.36
54151S	QGSI-PS256	SAP Retail POSDTA/SAP Retail Master Data/SAP CAR/SAP FMS – Intermediate	Consultant with 6-11years experience with SAP Retail POSDTA, SAP Retail Master, SAP Customer Activity Repository (CAR), and SAP Fashion Management Solution (FMS). Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 221.66
54151S	QGSI-PS257	SAP Retail POSDTA/SAP Retail Master Data/SAP CAR/SAP FMS – Senior	Consultant with 12+ years experience with SAP Retail POSDTA, SAP Retail Master, SAP Customer Activity Repository (CAR), and SAP Fashion Management Solution (FMS). Provide SAP application server programming,	Per Hour	$ 241.81

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			operations, testing, documentation for these modules.		
54151S	QGSI-PS258	SAP HANA DEVELOPMENT, MODELLING/SAP BODS/SAP MDG/SAP DWC/SAP SDI – Junior	Consultant with 3-5 years experience withSAP HANA DEVELOPMENT, MODELLING/SAP BODS/SAP MDG/SAP DWC/SAP SD. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 172.39
54151S	QGSI-PS259	SAP HANA DEVELOPMENT, MODELLING/SAP BODS/SAP MDG/SAP DWC/SAP SDI – Intermediate	Consultant with 6-11 years experience withSAP HANA DEVELOPMENT, MODELLING/SAP BODS/SAP MDG/SAP DWC/SAP SD. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 193.95
54151S	QGSI-PS260	SAP HANA DEVELOPMENT, MODELLING/SAP BODS/SAP MDG/SAP DWC/SAP SDI – Senior	Consultant with 12+ years experience withSAP HANA DEVELOPMENT, MODELLING/SAP BODS/SAP MDG/SAP DWC/SAP SD. Provide SAP application server programming, operations, testing, documentation for these modules.	Per Hour	$ 221.66
54151S	QGSI-PS261	SAP BW/BI/BOBJ/SAC – Junior	Consulting with 3+5 years of experience with SAP Business Warehouse (BW), SAP Business Intelligence (BI), SAP Business Objects (BOBJ) and SAP Analytics Cloud (SAC). This can include the installation, configuration, updating, patching, migration, and troubleshooting of security problems on the SAP system.	Per Hour	$ 168.01
54151S	QGSI-PS262	SAP BW/BI/BOBJ/SAC – Intermediate	Consulting with 6-11 years of experience with SAP Business Warehouse (BW), SAP Business Intelligence (BI), SAP Business Objects (BOBJ) and SAP Analytics Cloud (SAC). This can include the installation, configuration, updating, patching, migration, and troubleshooting of security problems on the SAP system.	Per Hour	$ 193.95
54151S	QGSI-PS263	SAP BW/BI/BOBJ/SAC – Senior	Consulting with 12+ years of experience with SAP Business Warehouse (BW), SAP Business Intelligence (BI), SAP Business Objects (BOBJ) and SAP Analytics Cloud (SAC). This can include the installation, configuration, updating, patching, migration, and troubleshooting of security problems on the SAP system.	Per Hour	$ 210.58
54151S	QGSI-PS264	SAP MII – Junior	Consulting with 3+5 years of experience with SAP Manufacturing Integration and Intelligence (MII). This can include the installation, configuration, updating, patching, migration, and troubleshooting of security problems on the SAP system.	Per Hour	$ 182.87
54151S	QGSI-PS265	SAP MII – Intermediate	Consulting with 6-11 years of experience with SAP Manufacturing Integration and Intelligence (MII). This can include the installation, configuration, updating, patching, migration, and troubleshooting of security problems on the SAP system.	Per Hour	$ 205.04
54151S	QGSI-PS266	SAP MII – Senior	Consulting with 12+ years of experience with SAP Manufacturing Integration and Intelligence (MII). This can include the installation, configuration, updating, patching, migration, and troubleshooting of security problems on the SAP system.	Per Hour	$ 232.74
54151S	QGSI-PS267	SAP MES – Junior	Consulting with 3-5 years of experience with SAP Manufacturing Execution Systms (MES). This can include the installation, configuration, updating, patching, migration, and troubleshooting of security problems on the SAP system.	Per Hour	$ 193.95
54151S	QGSI-PS268	SAP MES – Intermediate	Consulting with 6-11 years of experience with SAP Manufacturing Execution Systms (MES). This can include the installation, configuration, updating, patching, migration, and troubleshooting of security problems on the SAP system.	Per Hour	$ 210.58

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54151S	QGSI-PS269	SAP MES – Senior	Consulting with 12+ years of experience with SAP Manufacturing Execution Systms (MES). This can include the installation, configuration, updating, patching, migration, and troubleshooting of security problems on the SAP system.	Per Hour	$ 254.91
54151S	QGSI-PS270	SAP Project Coordinator – Junior	Project Coordinator with 3-5 years experience with cooridanting and leading SAP projects. Provide project management, support, oversight and overall project leadership for SAP projects.	Per Hour	$ 95.71
54151S	QGSI-PS271	SAP Project Coordinator – Intermediate	Project Coordinator with 6-11 years experience with cooridanting and leading SAP projects. Provide project management, support, oversight and overall project leadership for SAP projects.	Per Hour	$ 105.79
54151S	QGSI-PS272	SAP Project Manager – Junior	Project Manager with 3-5 years experience with SAP project management. Provide project management, support, oversight and overall project leadership for SAP projects.	Per Hour	$ 181.36
54151S	QGSI-PS273	SAP Project Manager – Intermediate	Project Manager with 6-11 years experience with SAP project management. Provide project management, support, oversight and overall project leadership for SAP projects.	Per Hour	$ 221.66
54151S	QGSI-PS274	SAP Project Manager – Senior	Project Manager with 12+ years experience with SAP project management. Provide project management, support, oversight and overall project leadership for SAP projects.	Per Hour	$ 241.81
54151S	QGSI-PS275	SAP Program Manager – Intermediate	Program Manager with 6-11 years experience with program management. Provide program management, project support, oversight and overall project leadership for SAP projects.	Per Hour	$ 236.78
54151S	QGSI-PS276	SAP Program Manager – Senior	Program Manager with 12+ years experience with program management. Provide program management, project support, oversight and overall project leadership for SAP projects.	Per Hour	$ 256.93
54151S	QGSI-PS277	QA Engineer – Intermediate	Consulting Engineer with with 6-11 years experience with QA and testing skills. Provide testing, quality assurance and QA test harnesess for SAP projects.	Per Hour	$ 156.17
54151S	QGSI-PS278	QA Engineer – Senior	Consulting Engineer with with 12+ years experience with QA and testing skills. Provide testing, quality assurance and QA test harnesess for SAP projects.	Per Hour	$ 171.28
54151S	QGSI-PS279	SAP Qualtrics – CX Technology Consultant – Junior	Qualtrics trained consultant with with 1-2 years experience with SAP Qualtriics Customer Experience (CX) skills. Provide implementation, development, design, reporting, documentation and end user knowledge transfer.	Per Hour	$ 172.39
54151S	QGSI-PS280	SAP Qualtrics – CX Technology Consultant – Intermediate	Qualtrics trained consultant with with 3-5 years experience with SAP Qualtriics Customer Experience (CX) skills. Provide implementation, development, design, reporting, documentation and end user knowledge transfer.	Per Hour	$ 193.95
54151S	QGSI-PS281	SAP Qualtrics – CX Technology Consultant – Senior	Qualtrics trained consultant with with 6+ years experience with SAP Qualtriics Customer Experience (CX) skills. Provide implementation, development, design, reporting, documentation and end user knowledge transfer.	Per Hour	$ 221.66
54151S	QGSI-PS282	SAP – Concur - Junior	Qualtrics trained consultant with with 3-5 years experience with SAP Concur Provide implementation, development, design, reporting, documentation and end user knowledge transfer.	Per Hour	$ 193.95
54151S	QGSI-PS283	SAP – Concur - Intermediate	Qualtrics trained consultant with with 6-11 years experience with SAP Concur Provide implementation, development, design, reporting, documentation and end user knowledge transfer.	Per Hour	$ 210.58
54151S	QGSI-PS284	SAP - Concur - Senior	Qualtrics trained consultant with with 12+ years experience with SAP Concur Provide implementation, development, design, reporting, documentation and end user knowledge transfer.	Per Hour	$ 254.91

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54151S	QGSI-PS285	SAP Change Management Lead – Intermediate	Change Management Lead Consultant with 6-11 years experience with SAP change management. Provide change management, support, oversight and overall project leadership for SAP projects.	Per Hour	$ 305.79
54151S	QGSI-PS286	SAP Change Management Lead – Senior	Change Management Lead Consultant with 12+ years experience with SAP change management. Provide change management, support, oversight and overall project leadership for SAP projects.	Per Hour	$ 325.94
54151S	QGSI-PS287	SAP Change Management Consultant – Intermediate	Change Management Consultant with 6-11 years experience with SAP change management. Provide change management, support, oversight and overall project leadership for SAP projects.	Per Hour	$ 221.66
54151S	QGSI-PS288	SAP Change Management Consultant – Senior	Change Management Consultant with 12+ years experience with SAP change management. Provide change management, support, oversight and overall project leadership for SAP projects.	Per Hour	$ 241.81
54151S	QGSI-PS289	SAP Training Lead – Intermediate	Training Lead Consultant with 6-11 years experience with SAP Training and SAP modules. Provide educational curriculum, materials, aids, documentations, demonstrations and instruction on SAP technology, 248rocesses and methods. This includes SAP Best Practices.	Per Hour	$ 221.66
54151S	QGSI-PS290	SAP Training Lead – Senior	Training Lead Consultant with 12+ years experience with SAP Training and SAP modules. Provide educational curriculum, materials, aids, documentations, demonstrations and instruction on SAP technology, 248rocesses and methods. This includes SAP Best Practices.	Per Hour	$ 241.81
54151S	QGSI-PS291	SAP Training Consultant – Intermediate	Training Consultant with 6-11 years experience with SAP Training and SAP modules. Provide educational curriculum, materials, aids, documentations, demonstrations and instruction on SAP technology, 248rocesses and methods. This includes SAP Best Practices.	Per Hour	$ 171.79
54151S	QGSI-PS292	SAP Training Consultant – Senior	Training Consultant with 12+ years experience with SAP Training and SAP modules. Provide educational curriculum, materials, aids, documentations, demonstrations and instruction on SAP technology, 248rocesses and methods. This includes SAP Best Practices.	Per Hour	$ 199.50
54151S	QGSI-PS293	SAP Communications Lead – Intermediate	Communications Consultant with 6-11 years experience with SAP Communications. Provide communications management, support, oversight and overall project leadership for SAP projects.	Per Hour	$ 171.79
54151S	QGSI-PS294	SAP Communications Lead – Senior	Communications Consultant with 12+ years experience with SAP Communications. Provide communications management, support, oversight and overall project leadership for SAP projects.	Per Hour	$ 199.50

3.7 MULTIPLE AWARD SCHEDULE (MAS) SIN 54151ECOM DESCRIPTION OF ELECTRONIC COMMERCE SERVICES PRODUCTS AND PRICING

3.7.1 Lumen Distributed Denial of Service (DdoS)

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.1206	Distributed Denial of Service (DdoS) Mitigation Service—Proactive Shared DdoS Mitigation Service—0-0.3Gbps (NRC)	NRC	$ 672.54
54151ECOM	Lumen	132-52.1207	Distributed Denial of Service (DdoS) Mitigation Service—Proactive Shared DdoS Mitigation Service—0.4Gbps-1Gbps (NRC)	NRC	$ 672.54
54151ECOM	Lumen	132-52.1208	Distributed Denial of Service (DdoS) Mitigation Service—Proactive Shared DdoS Mitigation Service—1.1Gbps-3Gbps (NRC)	NRC	$ 672.54
54151ECOM	Lumen	132-52.1209	Distributed Denial of Service (DdoS) Mitigation Service—Proactive Shared DdoS Mitigation Service—3.1Gbps-10Gbps (NRC)	NRC	$ 672.54

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9329	DdoS Clean Traffic Bandwidth -On-Demand—100 Mbps Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 1,939.55
54151ECOM	Lumen	132-52.9330	DdoS Clean Traffic Bandwidth -On-Demand—200 Mbps Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 2,770.78
54151ECOM	Lumen	132-52.9331	DdoS Clean Traffic Bandwidth -On-Demand—500 Mbps Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 3,324.94
54151ECOM	Lumen	132-52.9332	DdoS Clean Traffic Bandwidth -On-Demand—1 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 4,571.79
54151ECOM	Lumen	132-52.9333	DdoS Clean Traffic Bandwidth -On-Demand—2 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 7,204.03
54151ECOM	Lumen	132-52.9334	DdoS Clean Traffic Bandwidth -On-Demand—3 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 8,644.84
54151ECOM	Lumen	132-52.9335	DdoS Clean Traffic Bandwidth -On-Demand—4 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 10,196.47
54151ECOM	Lumen	132-52.9336	DdoS Clean Traffic Bandwidth -On-Demand—5 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 11,637.28
54151ECOM	Lumen	132-52.9337	DdoS Clean Traffic Bandwidth -On-Demand—10 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 18,287.15
54151ECOM	Lumen	132-52.9338	DdoS Clean Traffic Bandwidth -On-Demand—100 Mbps Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 906.80
54151ECOM	Lumen	132-52.9339	DdoS Clean Traffic Bandwidth -On-Demand—200 Mbps Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 1,148.61
54151ECOM	Lumen	132-52.9340	DdoS Clean Traffic Bandwidth -On-Demand—500 Mbps Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 1,390.43
54151ECOM	Lumen	132-52.9341	DdoS Clean Traffic Bandwidth -On-Demand—1 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 1,733.00
54151ECOM	Lumen	132-52.9342	DdoS Clean Traffic Bandwidth -On-Demand—2 GB Clean Traffic Total DdoS clean traffic return provisioned across production	NRC	$ 2,337.53

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
			site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.		
54151ECOM	Lumen	132-52.9343	DdoS Clean Traffic Bandwidth -On-Demand—3 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 2,801.01
54151ECOM	Lumen	132-52.9344	DdoS Clean Traffic Bandwidth -On-Demand—4 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 3,244.33
54151ECOM	Lumen	132-52.9345	DdoS Clean Traffic Bandwidth -On-Demand—5 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 3,707.81
54151ECOM	Lumen	132-52.9346	DdoS Clean Traffic Bandwidth -On-Demand—10 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 5,932.49
54151ECOM	Lumen	132-52.9347	DdoS Clean Traffic Bandwidth -Always-On—100 Mbps Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 3,627.20
54151ECOM	Lumen	132-52.9348	DdoS Clean Traffic Bandwidth -Always-On—200 Mbps Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 5,078.09
54151ECOM	Lumen	132-52.9349	DdoS Clean Traffic Bandwidth -Always-On—500 Mbps Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 5,984.89
54151ECOM	Lumen	132-52.9350	DdoS Clean Traffic Bandwidth -Always-On—1 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 8,947.10
54151ECOM	Lumen	132-52.9351	DdoS Clean Traffic Bandwidth -Always-On—2 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 14,750.63
54151ECOM	Lumen	132-52.9352	DdoS Clean Traffic Bandwidth -Always-On—3 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 18,498.74
54151ECOM	Lumen	132-52.9353	DdoS Clean Traffic Bandwidth -Always-On—4 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 21,279.60
54151ECOM	Lumen	132-52.9354	DdoS Clean Traffic Bandwidth -Always-On—5 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	MRC	$ 25,088.16
54151ECOM	Lumen	132-52.9355	DdoS Clean Traffic Bandwidth -Always-On—10 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites	MRC	$ 38,690.18

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
			and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.		
54151ECOM	Lumen	132-52.9356	DdoS Clean Traffic Bandwidth -Always-On—100 Mbps Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 906.80
54151ECOM	Lumen	132-52.9357	DdoS Clean Traffic Bandwidth -Always-On—200 Mbps Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 1,148.61
54151ECOM	Lumen	132-52.9358	DdoS Clean Traffic Bandwidth -Always-On—500 Mbps Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 1,390.43
54151ECOM	Lumen	132-52.9359	DdoS Clean Traffic Bandwidth -Always-On—1 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 1,733.00
54151ECOM	Lumen	132-52.9360	DdoS Clean Traffic Bandwidth -Always-On—2 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 2,337.53
54151ECOM	Lumen	132-52.9361	DdoS Clean Traffic Bandwidth -Always-On—3 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 2,801.01
54151ECOM	Lumen	132-52.9362	DdoS Clean Traffic Bandwidth -Always-On—4 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 3,244.33
54151ECOM	Lumen	132-52.9363	DdoS Clean Traffic Bandwidth -Always-On—5 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 3,707.81
54151ECOM	Lumen	132-52.9364	DdoS Clean Traffic Bandwidth -Always-On—10 GB Clean Traffic Total DdoS clean traffic return provisioned across production site(s). The clean traffic return may be shared across multiple sites and include on-demand protection and up to 256 protected /24 of Ipv4 or /48 of Ipv6.	NRC	$ 5,932.49
54151ECOM	Lumen	132-52.9365	DdoS clean traffic return path to customer site utilizing Internet.	MRC	$ 453.40
54151ECOM	Lumen	132-52.9367	DdoS clean traffic return path to customer site utilizing a IP VPN.	MRC	$ 604.53
54151ECOM	Lumen	132-52.9368	Client Border Router(s) or Level 3 Provider Edge Router Interface(s) provisioned and monitored with Flow Monitoring service. Max. 1,000 flows per second; sampling 1024:1 or 1000:1 required	MRC	$ 453.40
54151ECOM	Lumen	132-52.9369	Unlimited Protected Subnets	MRC	$ 7,254.41
54151ECOM	Lumen	132-52.9370	The service is available with up to 10 user tokens. Additional tokens can be purchased in the qty of 10	MRC	$ 50.38
54151ECOM	Lumen	132-52.9371	DdoS Application Monitoring and Mitigation Cloud Signaling (Charge per Arbor APS/AED mitigation appliance) Customer owns and manages the appliance	MRC	$ 604.53
54151ECOM	Lumen	132-52.9374	DdoS clean traffic return path (CTR) to customer site utilizing a IP VPN.	NRC	$ 241.81
54151ECOM	Lumen	132-52.9375	Client Border Router(s) or Provider Edge Router Interface(s) provisioned and monitored with Flow Monitoring service. Max. 1,000 flows per second; sampling 1024:1 or 1000:1 required	NRC	$ 241.81
54151ECOM	Lumen	132-52.9376	Unlimited Protected Subnets	NRC	$ 967.25
54151ECOM	Lumen	132-52.9377	The service is available with up to 10 user tokens. Additional tokens can be purchased in the qty of 10	NRC	$ 50.38

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9378	DdoS Application Monitoring and Mitigation Cloud Signaling (Charge per Arbor APS/AED mitigation appliance) Customer owns and manages the appliance	NRC	$ 241.81

3.7.2 Lumen Hosted VoIP

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.1486	Hosted VoIP—Installation NRC: Per Seat	NRC	$ 24.25
54151ECOM	Lumen	132-52.1488	Hosted VoIP—Anywhere TNs (per TN) (Monthly)	MRC	$ 4.44
54151ECOM	Lumen	132-52.1492	Hosted VoIP—Extended Wiring NRC (per circuit) (if provided by CenturyLink)	MRC	$ 247.50
54151ECOM	Lumen	132-52.11191	Hosted VoIP—Basic Seat (no handset) for up to 25 seats	MRC	$ 13.87
54151ECOM	Lumen	132-52.11192	Hosted VoIP—Basic Seat (no handset) for up to 26-200 seats	MRC	$ 11.94
54151ECOM	Lumen	132-52.11193	Hosted VoIP—Basic Seat (no handset) for up to 200+ seats	MRC	$ 11.00
54151ECOM	Lumen	132-52.11194	Hosted VoIP—Standard Seat (no handset) for up to 25 seats	MRC	$ 17.98
54151ECOM	Lumen	132-52.11195	Hosted VoIP—Standard Seat (no handset) for up to 26-200 seats	MRC	$ 15.89
54151ECOM	Lumen	132-52.11196	Hosted VoIP—Standard Seat (no handset) for up to 200+ seats	MRC	$ 14.87
54151ECOM	Lumen	132-52.11197	Hosted VoIP—Premium Seat (no handset) for up to 25 seats	MRC	$ 19.93
54151ECOM	Lumen	132-52.11198	Hosted VoIP—Premium Seat (no handset) for up to 26-200 seats	MRC	$ 17.98
54151ECOM	Lumen	132-52.11199	Hosted VoIP—Premium Seat (no handset) for up to 200+ seats	MRC	$ 16.93
54151ECOM	Lumen	132-52.11200	Hosted VoIP—Custom SIP Seat (no handset) for up to 25 seats	MRC	$ 19.83
54151ECOM	Lumen	132-52.11201	Hosted VoIP—Custom SIP Seat (no handset) for up to 26-200 seats	MRC	$ 18.84
54151ECOM	Lumen	132-52.11202	Hosted VoIP—Custom SIP Seat (no handset) for up to 200+ seats	MRC	$ 17.98
54151ECOM	Lumen	132-52.11203	Hosted VoIP—Virtual Seat (no handset) for up to 25 seats	MRC	$ 19.93
54151ECOM	Lumen	132-52.11204	Hosted VoIP—Virtual Seat (no handset) for up to 26-200 seats	MRC	$ 17.98
54151ECOM	Lumen	132-52.11205	Hosted VoIP—Virtual Seat (no handset) for up to 200+ seats	MRC	$ 16.93
54151ECOM	Lumen	132-52.11206	Hosted VoIP—Adtran 908	MRC	$ 31.83
54151ECOM	Lumen	132-52.11207	Hosted VoIP—Adtran 916	MRC	$ 46.16
54151ECOM	Lumen	132-52.11208	Hosted VoIP—Adtran 924	MRC	$ 58.04
54151ECOM	Lumen	132-52.11209	Hosted VoIP—CCX 600	MRC	$ 17.14
54151ECOM	Lumen	132-52.11210	Hosted VoIP—Cisco 6851	MRC	$ 6.08
54151ECOM	Lumen	132-52.11211	Hosted VoIP—Cisco 7811	MRC	$ 4.17
54151ECOM	Lumen	132-52.11212	Hosted VoIP—Cisco 7821	MRC	$ 5.08
54151ECOM	Lumen	132-52.11213	Hosted VoIP—Cisco 7832 Conf	MRC	$ 17.41
54151ECOM	Lumen	132-52.11214	Hosted VoIP—Cisco 7841	MRC	$ 6.80
54151ECOM	Lumen	132-52.11215	Hosted VoIP—Cisco 7861	MRC	$ 7.25
54151ECOM	Lumen	132-52.11216	Hosted VoIP—Cisco 8811	MRC	$ 8.71
54151ECOM	Lumen	132-52.11217	Hosted VoIP—Cisco 8841	MRC	$ 9.25
54151ECOM	Lumen	132-52.11218	Hosted VoIP—Cisco 8851	MRC	$ 10.79
54151ECOM	Lumen	132-52.11219	Hosted VoIP—Cisco 8861	MRC	$ 12.51
54151ECOM	Lumen	132-52.11220	Hosted VoIP—GS-DP720 Handset	MRC	$ 2.36
54151ECOM	Lumen	132-52.11221	Hosted VoIP—GS-DP722 Handset	MRC	$ 2.99
54151ECOM	Lumen	132-52.11222	Hosted VoIP—GS-DP730 Handset	MRC	$ 4.26
54151ECOM	Lumen	132-52.11223	Hosted VoIP—GS-DP750 Base	MRC	$ 2.09
54151ECOM	Lumen	132-52.11224	Hosted VoIP—GS-DP752 Base	MRC	$ 2.27
54151ECOM	Lumen	132-52.11225	Hosted VoIP—GS-DP760	MRC	$ 4.76
54151ECOM	Lumen	132-52.11226	Hosted VoIP—GrandStream HT813	MRC	$ 3.36
54151ECOM	Lumen	132-52.11227	Hosted VoIP—Polycom Obi 302	MRC	$ 3.54
54151ECOM	Lumen	132-52.11228	Hosted VoIP—Polycom Obi 312	MRC	$ 3.81
54151ECOM	Lumen	132-52.11231	Hosted VoIP—Trio 8300	MRC	$ 17.14
54151ECOM	Lumen	132-52.11232	Hosted VoIP—Trio 8500	MRC	$ 21.67
54151ECOM	Lumen	132-52.11233	Hosted VoIP—Trio 8800	MRC	$ 28.56

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.11234	Hosted VoIP—VVX 150	MRC	$ 3.45
54151ECOM	Lumen	132-52.11235	Hosted VoIP—VVX 250	MRC	$ 5.71
54151ECOM	Lumen	132-52.11236	Hosted VoIP—VVX 301	MRC	$ 3.63
54151ECOM	Lumen	132-52.11237	Hosted VoIP—VVX 311	MRC	$ 4.53
54151ECOM	Lumen	132-52.11238	Hosted VoIP—VVX 350	MRC	$ 7.35
54151ECOM	Lumen	132-52.11239	Hosted VoIP—VVX 401	MRC	$ 7.36
54151ECOM	Lumen	132-52.11240	Hosted VoIP—VVX 411	MRC	$ 8.33
54151ECOM	Lumen	132-52.11241	Hosted VoIP—VVX 450	MRC	$ 8.24
54151ECOM	Lumen	132-52.11244	Hosted VoIP—VVX D230 Handset Only	MRC	$ 3.90
54151ECOM	Lumen	132-52.11245	Hosted VoIP—VVX D230 Base Station w/ Handset	MRC	$ 6.35
54151ECOM	Lumen	132-52.11246	Hosted VoIP—WP820 WiFi Phone	MRC	$ 6.71
54151ECOM	Lumen	132-52.11247	Hosted VoIP—Adtran 1531P	MRC	$ 77.08
54151ECOM	Lumen	132-52.11248	Hosted VoIP—Adtran NV1560-24P	MRC	$ 86.15
54151ECOM	Lumen	132-52.11249	Hosted VoIP—Adtran NV1560-48P	MRC	$ 99.75
54151ECOM	Lumen	132-52.11250	Voicemail Only Seat – 911 calls cannot be made from a voice mail only seat.	MRC	$ 5.40
54151ECOM	Lumen	132-52.11251	Voicemail for Group Features (per Group Feature)	MRC	$ 5.40
54151ECOM	Lumen	132-52.11252	Voicemail Transcription	MRC	$ 2.68
54151ECOM	Lumen	132-52.11253	Auto Attendant (per Auto Attendant)	MRC	$ 4.49
54151ECOM	Lumen	132-52.11254	Receptionist Web Console (per console)	MRC	$ 18.09
54151ECOM	Lumen	132-52.11255	Contact Center – Basic	MRC	$ 0.86
54151ECOM	Lumen	132-52.11256	Contact Center – Standard/Agent	MRC	$ 3.58
54151ECOM	Lumen	132-52.11257	Contact Center – Premium/Agent	MRC	$ 6.30
54151ECOM	Lumen	132-52.11258	Contact Center – Supervisor	MRC	$ 9.02
54151ECOM	Lumen	132-52.11259	Hosted VoIP with Webex Basic	MRC	$ 5.40
54151ECOM	Lumen	132-52.11260	Hosted VoIP with Webex Standard	MRC	$ 9.02
54151ECOM	Lumen	132-52.11261	Hosted VoIP with Webex Premium	MRC	$ 18.09
54151ECOM	Lumen	132-52.11262	Standard IP Failover	MRC	$ 9.02
54151ECOM	Lumen	132-52.11263	Secure SIP (Encryption)	MRC	$ 2.68
54151ECOM	Lumen	132-52.11264	Available TNs (new and ported) (per Available TN) An available TN is an unallocated TN Customer retains in a pool for later use.	MRC	$ 0.16
54151ECOM	Lumen	132-52.11265	Call Recording – Basic	MRC	$ 9.02
54151ECOM	Lumen	132-52.11266	Call Recording – Standard	MRC	$ 11.74
54151ECOM	Lumen	132-52.11267	Call Recording – Premium	MRC	$ 22.62
54151ECOM	Lumen	132-52.11268	Basic business white page listing (MRC per listing)	MRC	$ 1.77
54151ECOM	Lumen	132-52.11269	Directory Assistance (per call)	MRC	$ 1.80
54151ECOM	Lumen	132-52.11270	Tech Dispatch (up to 4 hours per dispatch)	MRC	$ 408.06
54151ECOM	Lumen	132-52.11271	PAC/VPAC (per product account)	MRC	$ 13.60

3.7.3 Lumen IQ SIP Trunk

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.3318	IQ SIP Trunk—Standard Session up to 100 sessions	MRC	$ 11.91
54151ECOM	Lumen	132-52.3319	IQ SIP Trunk—Enterprise Session up to 100 sessions	MRC	$ 13.90
54151ECOM	Lumen	132-52.3321	IQ SIP Trunk—Standard Session 101 + sessions	MRC	$ 9.91
54151ECOM	Lumen	132-52.3322	IQ SIP Trunk—Enterprise Session 101 + sessions	MRC	$ 11.91
54151ECOM	Lumen	132-52.3324	IQ SIP Trunk—SIP Standard Seat (per seat)	MRC	$ 0.17
54151ECOM	Lumen	132-52.3325	IQ SIP Trunk—SIP Premium Seat (per seat)	MRC	$ 1.99
54151ECOM	Lumen	132-52.3326	IQ SIP Trunk—SIP Mobility Seat (per seat)	MRC	$ 1.84
54151ECOM	Lumen	132-52.3327	IQ SIP Trunk—Voice Mail Seat (per seat)	MRC	$ 4.98
54151ECOM	Lumen	132-52.3328	IQ SIP Trunk—VoIP Expedited Installation Charge (per Enterprise NRC)	NRC	$ 478.59
54151ECOM	Lumen	132-52.9380	Premium Enterprise Session up to 100 sessions	MRC	$ 15.90
54151ECOM	Lumen	132-52.9381	Premium Enterprise Session 101 + sessions	MRC	$ 13.90
54151ECOM	Lumen	132-52.11145	Hunt Groups (per Hunt Group) – MRC	MRC	$ 4.49
54151ECOM	Lumen	132-52.11146	Hunt Groups (per Hunt Group)- NRC	NRC	$ 9.07
54151ECOM	Lumen	132-52.11147	Voice Mail for Hunt Groups (per Hunt Group)	MRC	$ 5.40
54151ECOM	Lumen	132-52.11148	Auto Attendant (per Auto Attendant) – MRC	MRC	$ 13.56
54151ECOM	Lumen	132-52.11149	Auto Attendant (per Auto Attendant)- NRC	NRC	$ 9.07
54151ECOM	Lumen	132-52.11151	Hosted VoIP with Webex Basic	MRC	$ 5.40
54151ECOM	Lumen	132-52.11152	Hosted VoIP with Webex Standard	MRC	$ 9.02
54151ECOM	Lumen	132-52.11153	Hosted VoIP with Webex Premium	MRC	$ 18.09

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54151ECOM	Lumen	132-52.11154	Receptionist Web Console (per console)	MRC	$ 44.43
54151ECOM	Lumen	132-52.11155	Available TNs (new and ported) (per Available TN) An available TN is an unallocated TN Customer retains in a pool for later use.	MRC	$ 0.16
54151ECOM	Lumen	132-52.11156	Anywhere TN (find me/follow me) (per Anywhere TN) - MRC	MRC	$ 19.90
54151ECOM	Lumen	132-52.11157	Anywhere TN (find me/follow me) (per Anywhere TN) – NRC	NRC	$ 9.07
54151ECOM	Lumen	132-52.11158	Enhanced E911 service (per TN)	MRC	$ 0.09
54151ECOM	Lumen	132-52.11159	Alien TN 911 Service Call (per Incident) – NRC	NRC	$ 68.01
54151ECOM	Lumen	132-52.11160	PAC/VPAC (per Product Account) – NRC	NRC	$ 13.60
54151ECOM	Lumen	132-52.11161	Call Recording – Basic	MRC	$ 9.02
54151ECOM	Lumen	132-52.11162	Call Recording – Standard	MRC	$ 11.74
54151ECOM	Lumen	132-52.11163	Call Recording – Premium	MRC	$ 22.62
54151ECOM	Lumen	132-52.11164	Basic business white page listing (MRC per listing)	MRC	$ 1.77
54151ECOM	Lumen	132-52.11165	Standard IP Failover (per Circuit)	MRC	$ 9.02
54151ECOM	Lumen	132-52.11166	Voice Mail Transcription	MRC	$ 2.68
54151ECOM	Lumen	132-52.11167	Directory Assistance (per call)	MRC	$ 1.80
54151ECOM	Lumen	132-52.11168	Adtran 908/924 IAD for up to 2 PRI handoff	MRC	$ 44.43
54151ECOM	Lumen	132-52.11169	Extended Wiring NRC (per circuit) (if provided by Lumen)	MRC	$ 264.18

3.7.4 Lumen Hosted IVR

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.3486	Hosted IVR—IVR DTMF Standard Virtual per port MRC	MRC	$ 83.76
54151ECOM	Lumen	132-52.3487	Hosted IVR—IVR DTMF Bridging Virtual port per port MRC	MRC	$ 167.51
54151ECOM	Lumen	132-52.3488	Hosted IVR—IVR Speech Recognition Standard Virtual per port MRC	MRC	$ 171.92
54151ECOM	Lumen	132-52.3489	Hosted IVR—IVR Speech Recognition bridging Virtual Port per port MRC	MRC	$ 343.83
54151ECOM	Lumen	132-52.3490	Hosted IVR—Bridging usage charge – applies to standard Virtual Ports Only # billed at minimum 18 second initial increment and in 6 second increment for the remainder of call	MRC	$ 0.04
54151ECOM	Lumen	132-52.3491	Hosted IVR—IVR Text-to-Speech Module port additional MRC	MRC	$ 17.63
54151ECOM	Lumen	132-52.3492	Hosted IVR—IVR Speech Dialogue Module per port additional MRC	MRC	$ 66.13
54151ECOM	Lumen	132-52.3493	Hosted IVR—IVR Overflow Protection Premium* Billed in 6 second increments for the duration of the call	MRC	$ 0.09
54151ECOM	Lumen	132-52.3494	Hosted IVR—ACD Connect per connection MRC	MRC	$ 881.61
54151ECOM	Lumen	132-52.3495	Hosted IVR—ACD Connect per connection (Installation) NRC	NRC	$ 2,204.03
54151ECOM	Lumen	132-52.3496	Hosted IVR—ACD per Call Charge	Per Call	$ 0.02
54151ECOM	Lumen	132-52.3497	Hosted IVR—Call Recording per Port MRC	MRC	$ 69.65
54151ECOM	Lumen	132-52.3498	Hosted IVR—Call Recording Installation NRC	NRC	$ 66.13
54151ECOM	Lumen	132-52.3499	Hosted IVR—Call Recording Storage (12 Month increment ea port for up to 7 years) MRC	MRC	$ 8.82
54151ECOM	Lumen	132-52.3500	Hosted IVR—CTI Standalone per Agent MRC	MRC	$ 26.45
54151ECOM	Lumen	132-52.3501	Hosted IVR—CTI Standalone per Agent (Installation) NRC	NRC	$ 13.23

3.7.5 Lumen Interaction Routing (IR)

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.4564	Interaction Routing—Interaction Routing MRC – Quick Launch Agent	MRC	$ 69.87
54151ECOM	Lumen	132-52.4565	Interaction Routing—Interaction Routing MRC – Skills Based Agent	MRC	$ 90.93
54151ECOM	Lumen	132-52.4566	Interaction Routing—Interaction Routing MRC – CTI Based Agent	MRC	$ 114.86
54151ECOM	Lumen	132-52.4567	Interaction Routing—Interaction Routing MRC – Supervisor Standalone	MRC	$ 110.08
54151ECOM	Lumen	132-52.4568	Interaction Routing—Interaction Routing MRC – Email/Chat First Application	MRC	$ 69.87
54151ECOM	Lumen	132-52.4569	Interaction Routing—Interaction Routing MRC – Email/Chat Added Application	MRC	$ 19.14
54151ECOM	Lumen	132-52.4570	Interaction Routing—Interaction Routing MRC – Email Content Analyzer	MRC	$ 15.79
54151ECOM	Lumen	132-52.4571	Interaction Routing—Interaction Routing MRC – Scripting	MRC	$ 3.69
54151ECOM	Lumen	132-52.4572	Interaction Routing—Interaction Routing MRC – Outbound Only Agent	MRC	$ 143.58
54151ECOM	Lumen	132-52.4573	Interaction Routing—Interaction Routing MRC – Outbound Blended Agent Add On	MRC	$ 88.06
54151ECOM	Lumen	132-52.4574	Interaction Routing—Interaction Routing MRC – Platform Usage-Billed at min of 18 sec & 6 sec increments for remainder of call	MRC	$ 0.03
54151ECOM	Lumen	132-52.4575	Interaction Routing—Interaction Routing MRC – Work Force Management Bundle Add On	MRC	$ 47.86
54151ECOM	Lumen	132-52.4578	Interaction Routing—Interaction Routing MRC – Hosted Genesys Agent Desktop (Simplex) per Concurrent Agent	MRC	$ 18.95

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.4581	Interaction Routing—Interaction Routing MRC – Application Subscription	MRC	$ 727.46
54151ECOM	Lumen	132-52.4582	Interaction Routing—Interaction Routing MRC – Call Recording per port	MRC	$ 48.82
54151ECOM	Lumen	132-52.4583	Interaction Routing—Interaction Routing MRC – Call Recording Storage per port for each twelve-month increment	MRC	$ 9.57
54151ECOM	Lumen	132-52.4584	Interaction Routing—Interaction Routing MRC – CTI Standalone Add per agent	MRC	$ 28.72
54151ECOM	Lumen	132-52.4588	Interaction Routing—Interaction Routing MRC – Live Person Adapter	MRC	$ 20.10
54151ECOM	Lumen	132-52.4589	Interaction Routing—Interaction Routing MRC Sales Force Adapter	MRC	$ 11.39
54151ECOM	Lumen	132-52.4590	Interaction Routing—Interaction Routing MRC – Display Board Adapters (per customer location)	MRC	$ 50.73
54151ECOM	Lumen	132-52.4591	Interaction Routing—Interaction Routing NRC – Quick Launch Agent	NRC	$ 28.72
54151ECOM	Lumen	132-52.4592	Interaction Routing—Interaction Routing NRC – Skills Based Agent	NRC	$ 36.37
54151ECOM	Lumen	132-52.4593	Interaction Routing—Interaction Routing NRC – CTI Based Agent	NRC	$ 41.16
54151ECOM	Lumen	132-52.4594	Interaction Routing—Interaction Routing NRC – Supervisor Standalone	NRC	$ 43.07
54151ECOM	Lumen	132-52.4595	Interaction Routing—Interaction Routing NRC – First Application	NRC	$ 38.29
54151ECOM	Lumen	132-52.4596	Interaction Routing—Interaction Routing NRC – Added Application	NRC	$ 14.36
54151ECOM	Lumen	132-52.4597	Interaction Routing—Interaction Routing NRC – Email Content Analyzer	NRC	$ 9.57
54151ECOM	Lumen	132-52.4598	Interaction Routing—Interaction Routing NRC – Scripting	NRC	$ 19.14
54151ECOM	Lumen	132-52.4599	Interaction Routing—Interaction Routing NRC – Outbound Only Agent	NRC	$ 62.22
54151ECOM	Lumen	132-52.4600	Interaction Routing—Interaction Routing NRC – Outbound Blended Agent Add On	NRC	$ 36.37
54151ECOM	Lumen	132-52.4602	Interaction Routing—Interaction Routing NRC – WFM Bundle Add On	NRC	$ 15.31
54151ECOM	Lumen	132-52.4603	Interaction Routing—Interaction Routing NRC – Genesys Agent Desktop per Concurrent Agent	NRC	$ 14.36
54151ECOM	Lumen	132-52.4608	Interaction Routing—Interaction Routing NRC – Application Subscription	NRC	$ 909.32
54151ECOM	Lumen	132-52.4609	Interaction Routing—Interaction Routing NRC – Call Recording per port	NRC	$ 71.79
54151ECOM	Lumen	132-52.4611	Interaction Routing—Interaction Routing NRC – CTI Standalone Add per agent	NRC	$ 14.36
54151ECOM	Lumen	132-52.4615	Interaction Routing—Interaction Routing NRC – Live Person Adapter	NRC	$ 9.57
54151ECOM	Lumen	132-52.4616	Interaction Routing—Interaction Routing NRC – Sales Force Adapter	MRC	$ 9.57
54151ECOM	Lumen	132-52.4617	Interaction Routing—Interaction Routing NRC – Display Board Adapters (per customer location)	MRC	$ 95.72

3.7.6 Lumen EZRoute

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.4673	EZRoute—EZ RouteDTMF menu and Database routing Installation Fee	NRC per toll free number	$ 113.35
54151ECOM	Lumen	132-52.4674	EZRoute— DTMF menu and Database routing Monthly maintenance fee	MRC per toll-free number	$ 47.86
54151ECOM	Lumen	132-52.4675	EZRoute—DTMF menu and Database routing Per – call surcharge	NRC per call	$ 0.04
54151ECOM	Lumen	132-52.4676	EZRoute—Speech Recognition menu & database monitoring Installation Fee	NRC per toll free number	$ 113.35
54151ECOM	Lumen	132-52.4677	EZRoute—Speech Recognition menu & database monitoring Monthly maintenance fee	MRC per toll-free number	$ 47.86
54151ECOM	Lumen	132-52.4678	EZRoute—Speech Recognition menu & database monitoring Per – call surcharge	NRC	$ 0.08
54151ECOM	Lumen	132-52.4679	EZRoute—Enhanced reporting Installation Fee	NRC	$ 377.83

3.7.7 Lumen HAN Internet (Access and Bandwidth)

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.4618	HAN Internet Access—Colocation BGP	NRC	$ 40.30
54151ECOM	Lumen	132-52.4619	HAN Internet Access—Colocation BGP	MRC	$ 16.12
54151ECOM	Lumen	132-52.4620	HAN Internet Access—Colocation Internet Multiline 10G	NRC	$ 374.81
54151ECOM	Lumen	132-52.4621	HAN Internet Access—Colocation Internet Multiline 10G	MRC	$ 190.23

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.4622	HAN Internet Access—Colocation Internet Multiline FastE	NRC	$ 182.17
54151ECOM	Lumen	132-52.4623	HAN Internet Access—Colocation Internet Multiline FastE	MRC	$ 121.71
54151ECOM	Lumen	132-52.4624	HAN Internet Access—Colocation Internet Multiline GigE	NRC	$ 212.80
54151ECOM	Lumen	132-52.4625	HAN Internet Access—Colocation Internet Multiline GigE	MRC	$ 121.71
54151ECOM	Lumen	132-52.4626	HAN Internet Access—Colocation Internet Singleline 10G	NRC	$ 268.41
54151ECOM	Lumen	132-52.4627	HAN Internet Access—Colocation Internet Singleline 10G	MRC	$ 145.09
54151ECOM	Lumen	132-52.4628	HAN Internet Access—Colocation Internet Singleline FastE	MRC	$ 107.20
54151ECOM	Lumen	132-52.4629	HAN Internet Access—Colocation Internet Singleline GigE	MRC	$ 107.20
54151ECOM	Lumen	132-52.4630	HAN Internet Bandwidth—Base Bandwidth up to 1 Mbps	MRC	$ 33.84
54151ECOM	Lumen	132-52.4631	HAN Internet Bandwidth—Base Bandwidth up to 2 Mbps	MRC	$ 44.90
54151ECOM	Lumen	132-52.4632	HAN Internet Bandwidth—Base Bandwidth up to 3 Mbps	MRC	$ 56.27
54151ECOM	Lumen	132-52.4633	HAN Internet Bandwidth—Base Bandwidth up to 4 Mbps	MRC	$ 67.68
54151ECOM	Lumen	132-52.4634	HAN Internet Bandwidth—Base Bandwidth up to 5 Mbps	MRC	$ 79.07
54151ECOM	Lumen	132-52.4635	HAN Internet Bandwidth—Base Bandwidth up to 6 Mbps	MRC	$ 90.44
54151ECOM	Lumen	132-52.4636	HAN Internet Bandwidth—Base Bandwidth up to 7 Mbps	MRC	$ 101.84
54151ECOM	Lumen	132-52.4637	HAN Internet Bandwidth—Base Bandwidth up to 8 Mbps	MRC	$ 113.23
54151ECOM	Lumen	132-52.4638	HAN Internet Bandwidth—Base Bandwidth up to 9 Mbps	MRC	$ 124.63
54151ECOM	Lumen	132-52.4639	HAN Internet Bandwidth—Base Bandwidth up to 10 Mbps	MRC	$ 136.06
54151ECOM	Lumen	132-52.4640	HAN Internet Bandwidth—Base Bandwidth up to 15 Mbps	MRC	$ 154.16
54151ECOM	Lumen	132-52.4641	HAN Internet Bandwidth—Base Bandwidth up to 20 Mbps	MRC	$ 172.33
54151ECOM	Lumen	132-52.4642	HAN Internet Bandwidth—Base Bandwidth up to 25 Mbps	MRC	$ 192.85
54151ECOM	Lumen	132-52.4643	HAN Internet Bandwidth—Base Bandwidth up to 30 Mbps	MRC	$ 213.04
54151ECOM	Lumen	132-52.4644	HAN Internet Bandwidth—Base Bandwidth up to 40 Mbps	MRC	$ 254.07
54151ECOM	Lumen	132-52.4645	HAN Internet Bandwidth—Base Bandwidth up to 50 Mbps	MRC	$ 295.01
54151ECOM	Lumen	132-52.4646	HAN Internet Bandwidth—Base Bandwidth up to 60 Mbps	MRC	$ 308.07
54151ECOM	Lumen	132-52.4647	HAN Internet Bandwidth—Base Bandwidth up to 70 Mbps	MRC	$ 322.18
54151ECOM	Lumen	132-52.4648	HAN Internet Bandwidth—Base Bandwidth up to 80 Mbps	MRC	$ 335.31
54151ECOM	Lumen	132-52.4649	HAN Internet Bandwidth—Base Bandwidth up to 90 Mbps	MRC	$ 349.66
54151ECOM	Lumen	132-52.4650	HAN Internet Bandwidth—Base Bandwidth up to 100 Mbps	MRC	$ 362.72
54151ECOM	Lumen	132-52.4651	HAN Internet Bandwidth—Base Bandwidth up to 200 Mbps	MRC	$ 454.61
54151ECOM	Lumen	132-52.4652	HAN Internet Bandwidth—Base Bandwidth up to 300 Mbps	MRC	$ 590.03
54151ECOM	Lumen	132-52.4653	HAN Internet Bandwidth—Base Bandwidth up to 400 Mbps	MRC	$ 725.44
54151ECOM	Lumen	132-52.4654	HAN Internet Bandwidth—Base Bandwidth up to 500 Mbps	MRC	$ 862.47
54151ECOM	Lumen	132-52.4655	HAN Internet Bandwidth—Base Bandwidth up to 600 Mbps	MRC	$ 952.75
54151ECOM	Lumen	132-52.4656	HAN Internet Bandwidth—Base Bandwidth up to 700 Mbps	MRC	$ 1,043.83
54151ECOM	Lumen	132-52.4657	HAN Internet Bandwidth—Base Bandwidth up to 800 Mbps	MRC	$ 1,134.91
54151ECOM	Lumen	132-52.4658	HAN Internet Bandwidth—Base Bandwidth up to 900 Mbps	MRC	$ 1,233.25
54151ECOM	Lumen	132-52.4659	HAN Internet Bandwidth—Base Bandwidth up to 1000 Mbps	MRC	$ 1,329.97
54151ECOM	Lumen	132-52.4660	HAN Internet Bandwidth—Base Bandwidth up to 1500 Mbps	MRC	$ 1,837.78
54151ECOM	Lumen	132-52.4661	HAN Internet Bandwidth—Base Bandwidth up to 2000 Mbps	MRC	$ 2,369.77
54151ECOM	Lumen	132-52.4662	HAN Internet Bandwidth—Base Bandwidth up to 2500 Mbps	MRC	$ 2,841.31
54151ECOM	Lumen	132-52.4663	HAN Internet Bandwidth—Base Bandwidth up to 3000 Mbps	MRC	$ 3,361.21
54151ECOM	Lumen	132-52.4664	HAN Internet Bandwidth—Base Bandwidth up to 3500 Mbps	MRC	$ 3,836.78
54151ECOM	Lumen	132-52.4665	HAN Internet Bandwidth—Base Bandwidth up to 4000 Mbps	MRC	$ 4,320.40
54151ECOM	Lumen	132-52.4666	HAN Internet Bandwidth—Base Bandwidth up to 4500 Mbps	MRC	$ 4,824.18
54151ECOM	Lumen	132-52.4667	HAN Internet Bandwidth—Base Bandwidth up to 5000 Mbps	MRC	$ 5,319.90
54151ECOM	Lumen	132-52.4668	HAN Internet Bandwidth—Base Bandwidth up to 6000 Mbps	MRC	$ 5,755.16
54151ECOM	Lumen	132-52.4669	HAN Internet Bandwidth—Base Bandwidth up to 7000 Mbps	MRC	$ 6,206.55
54151ECOM	Lumen	132-52.4670	HAN Internet Bandwidth—Base Bandwidth up to 8000 Mbps	NRC per toll free number	$ 6,641.81
54151ECOM	Lumen	132-52.4671	HAN Internet Bandwidth—Base Bandwidth up to 9000 Mbps	MRC per toll-free number	$ 7,036.78
54151ECOM	Lumen	132-52.4672	HAN Internet Bandwidth—Base Bandwidth up to 10000 Mbps	MRC per call	$ 7,576.83
54151ECOM	Lumen	132-52.12046	HAN Internet Access—Colocation Internet Singleline FastE, 3yr term, Installation charge	NRC	$ 182.17
54151ECOM	Lumen	132-52.12047	HAN Internet Access—Colocation Internet Singleline GigE, 3yr term, Installation charge	NRC	$ 182.17

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3.7.8 Network-Based Security (NBS)

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.6640	Network Based Security (NBS)—Next Generation Internet – Standard Support – 1 Mbps (MRC)	MRC	$ 315.87
54151ECOM	Lumen	132-52.6641	Network Based Security (NBS)—Next Generation Internet – Standard Support – 2 Mbps (MRC)	MRC	$ 335.01
54151ECOM	Lumen	132-52.6642	Network Based Security (NBS)—Next Generation Internet – Standard Support – 3 Mbps (MRC)	MRC	$ 373.30
54151ECOM	Lumen	132-52.6643	Network Based Security (NBS)—Next Generation Internet – Standard Support – 4 Mbps (MRC)	MRC	$ 387.66
54151ECOM	Lumen	132-52.6644	Network Based Security (NBS)—Next Generation Internet – Standard Support – 5 Mbps (MRC)	MRC	$ 402.02
54151ECOM	Lumen	132-52.6645	Network Based Security (NBS)—Next Generation Internet – Standard Support – 6 Mbps (MRC)	MRC	$ 425.94
54151ECOM	Lumen	132-52.6646	Network Based Security (NBS)—Next Generation Internet – Standard Support – 7 Mbps (MRC)	MRC	$ 454.66
54151ECOM	Lumen	132-52.6647	Network Based Security (NBS)—Next Generation Internet – Standard Support – 8 Mbps (MRC)	MRC	$ 478.59
54151ECOM	Lumen	132-52.6648	Network Based Security (NBS)—Next Generation Internet – Standard Support – 9 Mbps (MRC)	MRC	$ 502.52
54151ECOM	Lumen	132-52.6649	Network Based Security (NBS)—Next Generation Internet – Standard Support – 10 Mbps (MRC)	MRC	$ 526.45
54151ECOM	Lumen	132-52.6650	Network Based Security (NBS)—Next Generation Internet – Standard Support – 20 Mbps (MRC)	MRC	$ 598.24
54151ECOM	Lumen	132-52.6651	Network Based Security (NBS)—Next Generation Internet – Standard Support – 30 Mbps (MRC)	MRC	$ 670.03
54151ECOM	Lumen	132-52.6652	Network Based Security (NBS)—Next Generation Internet – Standard Support – 40 Mbps (MRC)	MRC	$ 741.81
54151ECOM	Lumen	132-52.6653	Network Based Security (NBS)—Next Generation Internet – Standard Support – 50 Mbps (MRC)	MRC	$ 813.60
54151ECOM	Lumen	132-52.6654	Network Based Security (NBS)—Next Generation Internet – Standard Support – 60 Mbps (MRC)	MRC	$ 880.60
54151ECOM	Lumen	132-52.6655	Network Based Security (NBS)—Next Generation Internet – Standard Support – 70 Mbps (MRC)	MRC	$ 947.61
54151ECOM	Lumen	132-52.6656	Network Based Security (NBS)—Next Generation Internet – Standard Support – 80 Mbps (MRC)	MRC	$ 961.21
54151ECOM	Lumen	132-52.6657	Network Based Security (NBS)—Next Generation Internet – Standard Support – 90 Mbps (MRC)	MRC	$ 1,024.69
54151ECOM	Lumen	132-52.6658	Network Based Security (NBS)—Next Generation Internet – Standard Support - 100 Mbps (MRC)	MRC	$ 1,088.16
54151ECOM	Lumen	132-52.6659	Network Based Security (NBS)—Next Generation Internet – Standard Support – 200 Mbps (MRC)	MRC	$ 1,337.53
54151ECOM	Lumen	132-52.6660	Network Based Security (NBS)—Next Generation Internet – Standard Support – 300 Mbps (MRC)	MRC	$ 1,586.90
54151ECOM	Lumen	132-52.6661	Network Based Security (NBS)—Next Generation Internet – Standard Support – 400 Mbps (MRC)	MRC	$ 1,836.27
54151ECOM	Lumen	132-52.6662	Network Based Security (NBS)—Next Generation Internet – Standard Support - 500 Mbps (MRC)	MRC	$ 2,085.64
54151ECOM	Lumen	132-52.6663	Network Based Security (NBS)—Next Generation Internet – Standard Support - 600 Mbps (MRC)	MRC	$ 2,466.50
54151ECOM	Lumen	132-52.6664	Network Based Security (NBS)—Next Generation Internet – Standard Support - 700 Mbps (MRC)	MRC	$ 2,847.36
54151ECOM	Lumen	132-52.6665	Network Based Security (NBS)—Next Generation Internet – Standard Support - 800 Mbps (MRC)	MRC	$ 3,228.21
54151ECOM	Lumen	132-52.6666	Network Based Security (NBS)—Next Generation Internet – Standard Support - 900 Mbps (MRC)	MRC	$ 3,609.07
54151ECOM	Lumen	132-52.6667	Network Based Security (NBS)—Next Generation Internet – Standard Support – 1000 Gbps (MRC)	MRC	$ 3,989.92
54151ECOM	Lumen	132-52.6668	Network Based Security (NBS)—Next Generation Internet – Standard Support – 2000 Gbps (MRC)	MRC	$ 5,830.73
54151ECOM	Lumen	132-52.6669	Network Based Security (NBS)—Next Generation Internet – Standard Support – 3000 Gbps (MRC)	MRC	$ 7,680.60
54151ECOM	Lumen	132-52.6670	Network Based Security (NBS)—Next Generation Internet – Standard Support -4000 Gbps (MRC)	MRC	$ 9,521.41
54151ECOM	Lumen	132-52.6671	Network Based Security (NBS)—Content Filtering – Standard Support – 1 Mbps (MRC)	MRC	$ 607.56
54151ECOM	Lumen	132-52.6672	Network Based Security (NBS)—Content Filtering – Standard Support – 2 Mbps (MRC)	MRC	$ 643.83

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.6673	Network Based Security (NBS)—Content Filtering – Standard Support – 3 Mbps (MRC)	MRC	$ 684.63
54151ECOM	Lumen	132-52.6674	Network Based Security (NBS)—Content Filtering – Standard Support – 4 Mbps (MRC)	MRC	$ 716.37
54151ECOM	Lumen	132-52.6675	Network Based Security (NBS)—Content Filtering – Standard Support – 5 Mbps (MRC)	MRC	$ 743.58
54151ECOM	Lumen	132-52.6676	Network Based Security (NBS)—Content Filtering – Standard Support – 6 Mbps (MRC)	MRC	$ 788.92
54151ECOM	Lumen	132-52.6677	Network Based Security (NBS)—Content Filtering – Standard Support – 7 Mbps (MRC)	MRC	$ 816.12
54151ECOM	Lumen	132-52.6678	Network Based Security (NBS)—Content Filtering – Standard Support – 8 Mbps (MRC)	MRC	$ 843.32
54151ECOM	Lumen	132-52.6679	Network Based Security (NBS)—Content Filtering – Standard Support – 9 Mbps (MRC)	MRC	$ 852.39
54151ECOM	Lumen	132-52.6680	Network Based Security (NBS)—Content Filtering – Standard Support – 10 Mbps (MRC)	MRC	$ 879.60
54151ECOM	Lumen	132-52.6681	Network Based Security (NBS)—Content Filtering – Standard Support – 20 Mbps (MRC)	MRC	$ 943.07
54151ECOM	Lumen	132-52.6682	Network Based Security (NBS)—Content Filtering – Standard Support – 30 Mbps (MRC)	MRC	$ 1,079.09
54151ECOM	Lumen	132-52.6683	Network Based Security (NBS)—Content Filtering – Standard Support – 40 Mbps (MRC)	MRC	$ 1,196.98
54151ECOM	Lumen	132-52.6684	Network Based Security (NBS)—Content Filtering – Standard Support – 50 Mbps (MRC)	MRC	$ 1,314.86
54151ECOM	Lumen	132-52.6685	Network Based Security (NBS)—Content Filtering – Standard Support – 60 Mbps (MRC)	MRC	$ 1,405.54
54151ECOM	Lumen	132-52.6686	Network Based Security (NBS)—Content Filtering – Standard Support – 70 Mbps (MRC)	MRC	$ 1,496.22
54151ECOM	Lumen	132-52.6687	Network Based Security (NBS)—Content Filtering – Standard Support – 80 Mbps (MRC)	MRC	$ 1,577.83
54151ECOM	Lumen	132-52.6688	Network Based Security (NBS)—Content Filtering – Standard Support – 90 Mbps (MRC)	MRC	$ 1,650.38
54151ECOM	Lumen	132-52.6689	Network Based Security (NBS)—Content Filtering – Standard Support – 100 Mbps (MRC)	MRC	$ 1,713.85
54151ECOM	Lumen	132-52.6690	Network Based Security (NBS)—Content Filtering – Standard Support – 200 Mbps (MRC)	MRC	$ 2,802.02
54151ECOM	Lumen	132-52.6691	Network Based Security (NBS)—Content Filtering – Standard Support – 300 Mbps (MRC)	MRC	$ 3,436.78
54151ECOM	Lumen	132-52.6692	Network Based Security (NBS)—Content Filtering – Standard Support – 400 Mbps (MRC)	MRC	$ 3,962.72
54151ECOM	Lumen	132-52.6693	Network Based Security (NBS)—Content Filtering – Standard Support – 500 Mbps (MRC)	MRC	$ 4,425.19
54151ECOM	Lumen	132-52.6694	Network Based Security (NBS)—Content Filtering – Standard Support – 600 Mbps (MRC)	MRC	$ 4,760.71
54151ECOM	Lumen	132-52.6695	Network Based Security (NBS)—Content Filtering – Standard Support – 700 Mbps (MRC)	MRC	$ 5,078.09
54151ECOM	Lumen	132-52.6696	Network Based Security (NBS)—Complete Security – Unlimited Support – 1 Mbps (MRC)	MRC	$ 1,396.47
54151ECOM	Lumen	132-52.6697	Network Based Security (NBS)—Complete Security – Unlimited Support – 2 Mbps (MRC)	MRC	$ 1,441.81
54151ECOM	Lumen	132-52.6698	Network Based Security (NBS)—Complete Security – Unlimited Support – 3 Mbps (MRC)	MRC	$ 1,478.09
54151ECOM	Lumen	132-52.6699	Network Based Security (NBS)—Complete Security – Unlimited Support – 4 Mbps (MRC)	MRC	$ 1,496.22
54151ECOM	Lumen	132-52.6700	Network Based Security (NBS)—Complete Security – Unlimited Support – 5 Mbps (MRC)	MRC	$ 1,523.43
54151ECOM	Lumen	132-52.6701	Network Based Security (NBS)—Complete Security – Unlimited Support – 6 Mbps (MRC)	MRC	$ 1,559.70
54151ECOM	Lumen	132-52.6702	Network Based Security (NBS)—Complete Security – Unlimited Support – 7 Mbps (MRC)	MRC	$ 1,577.83
54151ECOM	Lumen	132-52.6703	Network Based Security (NBS)—Complete Security – Unlimited Support – 8 Mbps (MRC)	MRC	$ 1,605.04
54151ECOM	Lumen	132-52.6704	Network Based Security (NBS)—Complete Security – Unlimited Support – 9 Mbps (MRC)	MRC	$ 1,623.17
54151ECOM	Lumen	132-52.6705	Network Based Security (NBS)—Complete Security – Unlimited Support – 10 Mbps (MRC)	MRC	$ 1,659.45

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.6706	Network Based Security (NBS)—Complete Security – Unlimited Support – 20 Mbps (MRC)	MRC	$ 1,713.85
54151ECOM	Lumen	132-52.6707	Network Based Security (NBS)—Complete Security – Unlimited Support – 30 Mbps (MRC)	MRC	$ 1,849.87
54151ECOM	Lumen	132-52.6708	Network Based Security (NBS)—Complete Security – Unlimited Support – 40 Mbps (MRC)	MRC	$ 1,967.76
54151ECOM	Lumen	132-52.6709	Network Based Security (NBS)—Complete Security – Unlimited Support – 50 Mbps (MRC)	MRC	$ 2,076.57
54151ECOM	Lumen	132-52.6710	Network Based Security (NBS)—Complete Security – Unlimited Support – 60 Mbps (MRC)	MRC	$ 2,176.32
54151ECOM	Lumen	132-52.6711	Network Based Security (NBS)—Complete Security – Unlimited Support – 70 Mbps (MRC)	MRC	$ 2,267.00
54151ECOM	Lumen	132-52.6712	Network Based Security (NBS)—Complete Security – Unlimited Support – 80 Mbps (MRC)	MRC	$ 2,339.55
54151ECOM	Lumen	132-52.6713	Network Based Security (NBS)—Complete Security – Unlimited Support – 90 Mbps (MRC)	MRC	$ 2,421.16
54151ECOM	Lumen	132-52.6714	Network Based Security (NBS)—Complete Security – Unlimited Support – 100 Mbps (MRC)	MRC	$ 2,493.70
54151ECOM	Lumen	132-52.6715	Network Based Security (NBS)—Complete Security – Unlimited Support – 200 Mbps (MRC)	MRC	$ 3,581.86
54151ECOM	Lumen	132-52.6716	Network Based Security (NBS)—Complete Security – Unlimited Support – 300 Mbps (MRC)	MRC	$ 4,216.62
54151ECOM	Lumen	132-52.6717	Network Based Security (NBS)—Complete Security – Unlimited Support – 400 Mbps (MRC)	MRC	$ 4,733.50
54151ECOM	Lumen	132-52.6718	Network Based Security (NBS)—Complete Security – Unlimited Support – 500 Mbps (MRC)	MRC	$ 5,195.97
54151ECOM	Lumen	132-52.6719	Network Based Security (NBS)—Next Generation Security Type – NRC (Install)	NRC	$ 226.70
54151ECOM	Lumen	132-52.6720	Network Based Security (NBS)—Content Filtering NRC (Install)	NRC	$ 453.40
54151ECOM	Lumen	132-52.6721	Network Based Security (NBS)—Complete Security – Unlimited Support – NRC- (Install)	NRC	$ 453.40
54151ECOM	Lumen	132-52.6722	Network Based Security (NBS)—Additional Security Tokens – per token NRC (Install)	NRC	$ 95.72
54151ECOM	Lumen	132-52.10773	Network Based Security (NBS)—Content Filtering—Standard Support—800 Mbps (MRC)	MRC	$ 5,440.81
54151ECOM	Lumen	132-52.10774	Network Based Security (NBS)—Content Filtering—Standard Support—900 Mbps (MRC)	MRC	$ 5,894.21
54151ECOM	Lumen	132-52.10775	Network Based Security (NBS)—Content Filtering—Standard Support—1000 Mbps (MRC)	MRC	$ 6,347.61
54151ECOM	Lumen	132-52.10776	Network Based Security (NBS)—Content Filtering—Standard Support—800 Mbps (NRC)	NRC	$ 453.40
54151ECOM	Lumen	132-52.10777	Network Based Security (NBS)—Content Filtering—Standard Support—900 Mbps (NRC)	NRC	$ 453.40
54151ECOM	Lumen	132-52.10778	Network Based Security (NBS)—Content Filtering—Standard Support—1000 Mbps (NRC)	NRC	$ 453.40
54151ECOM	Lumen	132-52.10779	Network Based Security (NBS)—Complete Security—Standard Support—600 Mbps (MRC)	MRC	$ 5,712.85
54151ECOM	Lumen	132-52.10780	Network Based Security (NBS)—Complete Security—Standard Support—700 Mbps (MRC)	MRC	$ 6,347.61
54151ECOM	Lumen	132-52.10781	Network Based Security (NBS)—Complete Security—Standard Support—800 Mbps (MRC)	MRC	$ 6,710.33
54151ECOM	Lumen	132-52.10782	Network Based Security (NBS)—Complete Security—Standard Support—900 Mbps (MRC)	MRC	$ 7,163.73
54151ECOM	Lumen	132-52.10783	Network Based Security (NBS)—Complete Security—Standard Support—1000 Mbps (MRC)	MRC	$ 7,707.81
54151ECOM	Lumen	132-52.10784	Network Based Security (NBS)—Complete Security—Standard Support—600 Mbps (NRC)	NRC	$ 453.40
54151ECOM	Lumen	132-52.10785	Network Based Security (NBS)—Complete Security—Standard Support—700 Mbps (NRC)	NRC	$ 453.40
54151ECOM	Lumen	132-52.10786	Network Based Security (NBS)—Complete Security—Standard Support—800 Mbps (NRC)	NRC	$ 453.40
54151ECOM	Lumen	132-52.10787	Network Based Security (NBS)—Complete Security—Standard Support—900 Mbps (NRC)	NRC	$ 453.40
54151ECOM	Lumen	132-52.10788	Network Based Security (NBS)—Complete Security—Standard Support—1000 Mbps (NRC)	NRC	$ 453.40

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3.7.9 Lumen Local Access

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.6730	Local Access (USAID)—1G Local Access- Santa Clara California Centurylink Data Center (SC8) Sterling, VA	MRC	$ 2,539.04
54151ECOM	Lumen	132-52.6731	Local Access (USAID)—1G Local Access – Sterling, VA Centurylink Data Center (DC2) Sterling, VA	NRC	$ 0.01
54151ECOM	Lumen	132-52.6732	Local Access (USAID)—1G Local Access- Santa Clara California Centurylink Data Center (SC8) Sterling, VA	MRC	$ 2,086.55
54151ECOM	Lumen	132-52.7933	1 Gig Local Access—1G Local Access- 8601 Adelphi Road College Park, MD 20740	MRC	$ 7,761.35

3.7.10 Lumen Tailored Managed Network Services (TMNS)

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.7181	TMNS-Lum- IP Phone—MES Managed Services – Phones // Shared NOC, US Persons // 500 Unit Managed User/Device minimum per customer which includes all Managed Voice types // Requires all 3x Managed Voice items: TMNS-Lum-IP Phone, TMNS-Lum-Call Server, TMNS-Lum-MES Voice Gateway // 12 Month	MRC	$ 4.58
54151ECOM	Lumen	132-52.7182	TMNS-Lum-Call Server—MES Call Server // Shared NOC, US Persons // 500 Unit Managed User/Device minimum per customer which includes all Managed Voice types // Requires all 3x Managed Voice items: TMNS-Lum-IP Phone, TMNS-Lum-Call Server, TMNS-Lum-MES Voice Gateway	MRC	$ 201.51
54151ECOM	Lumen	132-52.7183	TMNS-Lum-MES-Vgateway—MES Service Voice Gateway // Shared NOC, US Persons // 500 Unit Managed User/Device minimum per customer which includes all Managed Voice types // Requires all 3x Managed Voice items: TMNS-Lum-IP Phone, TMNS-Lum-Call Server, TMNS-Lum-MES Voice Gateway	MRC	$ 183.19
54151ECOM	Lumen	132-52.7184	TMNS-Lum-MES-Router Small—MES Managed Router Services – Small // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 64.12
54151ECOM	Lumen	132-52.7185	TMNS-Lum-MES-Router-Medium—MES Managed Router Services – Medium / Shared NOC, US Persons // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 100.76
54151ECOM	Lumen	132-52.7186	TMNS-Lum-MES Router – Large—MES Managed Router Services – Large // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 174.03
54151ECOM	Lumen	132-52.7187	TMNS-Lum-MES-Router-Core—MES Managed Router Services – Core // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 274.79
54151ECOM	Lumen	132-52.7188	TMNS-Lum-MES-Switch Small—MES Managed Switch Services – Small // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 64.12
54151ECOM	Lumen	132-52.7189	TMNS-Lum-MES-Switch-Medium—MES Managed Switch Services – Medium // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 100.76
54151ECOM	Lumen	132-52.7190	TMNS-Lum-MES-Switch-Large—MES Managed Switch Services – Large // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 128.24
54151ECOM	Lumen	132-52.7191	TMNS-Lum-MES-Switch-Core—MES Managed Switch Services – Core // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 164.87
54151ECOM	Lumen	132-52.7193	TMNS-Lum-MES-Wireless AP—MES Managed Wireless LAN Services – Wireless AP // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 18.32
54151ECOM	Lumen	132-52.7194	TMNS-Lum-MES-LAN Controller—MES Managed Wireless LAN Services – LAN Controller // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 119.08
54151ECOM	Lumen	132-52.7196	TMNS-Lum-MES-Call Center Server—MES Managed Call Center Services – IPCCX Call Center Server // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 366.39

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.7198	TMNS-Lum-MES-Firewall—MES Managed Security Services – Managed Firewall (Includes: Firewall policy between network and the Internet and IPSec VPN support) // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 503.78
54151ECOM	Lumen	132-52.7199	TMNS-Lum-MES-Load Bal—MES Managed Load Balancer // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 549.58
54151ECOM	Lumen	132-52.7201	TMNS-Lum Meraki AP—MES Managed Meraki Services – Access Point // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 9.16
54151ECOM	Lumen	132-52.11177	CTL Meraki Switch—MES Managed Meraki Services – Switch // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 18.69
54151ECOM	Lumen	132-52.11178	CTL Meraki Switch—MES Managed Meraki Services – Switch // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 32.61
54151ECOM	Lumen	132-52.11179	CTL Meraki Switch—MES Managed Meraki Services – Switch // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 46.27
54151ECOM	Lumen	132-52.11180	CTL Meraki Security device—MES Managed Meraki Services – Security Device // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 36.98
54151ECOM	Lumen	132-52.11181	CTL Meraki Security device—MES Managed Meraki Services – Security Device // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 55.86
54151ECOM	Lumen	132-52.11182	CTL Meraki Security device—MES Managed Meraki Services – Security Device // Shared NOC, US Persons // 200 Unit Managed Device minimum per customer which includes all network device types	MRC	$ 64.63
54151ECOM	Lumen	132-52.11183	Meraki Cellular Gateway	MRC	$ 14.52
54151ECOM	Lumen	132-52.11184	Meraki Security Camera	MRC	$ 6.85
54151ECOM	Lumen	132-52.11185	Cradlepoint Small Router	MRC	$ 47.02
54151ECOM	Lumen	132-52.11186	Cradlepoint Cellular Gateway	MRC	$ 14.52
54151ECOM	Lumen	132-52.12048	CTL Meraki Switch – MES Managed Meraki Services – Switch // Shared NOC, US Persons // 100-199 Unit Managed device minimum per customer which includes all network device types – small	MRC	$ 32.06
54151ECOM	Lumen	132-52.12049	CTL Meraki Switch – MES Managed Meraki Services – Switch // Shared NOC, US Persons // 100-199 Unit Managed device minimum per customer which includes all network device types – medium	MRC	$ 45.80
54151ECOM	Lumen	132-52.12050	CTL Meraki Switch – MES Managed Meraki Services – Switch // Shared NOC, US Persons // 100-199 Unit Managed device minimum per customer which includes all network device types – large	MRC	$ 57.71
54151ECOM	Lumen	132-52.12051	CTL Meraki Security device – MES Managed Meraki Services – Security Device // Shared NOC, US Persons // 100-199 Unit Managed device minimum per customer which includes all Network device types – small	MRC	$ 57.71
54151ECOM	Lumen	132-52.12052	CTL Meraki Security device – MES Managed Meraki Services – Security Device // Shared NOC, US Persons // 100-199 Unit Managed device minimum per customer which includes all Network device types – medium	MRC	$ 71.45
54151ECOM	Lumen	132-52.12053	CTL Meraki Security device – MES Managed Meraki Services – Security Device // Shared NOC, US Persons // 100-199 Unit Managed device minimum per customer which includes all Network device types – large	MRC	$ 97.09
54151ECOM	Lumen	132-52.12054	TMNS – Luman Meraki AP – MES Managed Meraki Services – Access Point // Shared NOC, US Persons // 100-199 Unit Managed device minimum per customer which includes all Network device types	MRC	$ 13.74
54151ECOM	Lumen	132-52.12055	Meraki Cellular Gateway // 100-199 Unit Managed Device Minimum per customer which includes all network device types		$ 30.23

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3.7.11 Lumen Network Management Service (NMS)

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.7208	Network Management Service (NMS)—CTL – Integrated Management Monitor Up/down monitoring and notification of faults only. NOTE: This is in addition to the Port MRC. (NRC is N/A) NMS for Devices not associated with a CenturyLink IQ Networking Port (including VPN extensions).	MRC	$ 24.69
54151ECOM	Lumen	132-52.7209	Network Management Service (NMS)—CTL – Integrated Management Select (24/7/365 performance and health monitoring, reporting, change management*, fault management, configuration backup Management for basic routing configurations only) NOTE: This is in addition to the Port MRC. (NRC is N/A) NMS for Devices not associated with a CenturyLink IQ Networking Port (including VPN extensions).	MRC	$ 42.32
54151ECOM	Lumen	132-52.7210	Network Management Service (NMS)—CTL – Integrated Management Comprehensive (All of the Select features plus: Complex routing configuration support, international service, total customer agency** (TCA) and IPSec tunnel management configurations*** Comprehensive NOTE: This is in addition to the Port MRC. (NRC is N/A) NMS for Devices not associated with a CenturyLink IQ Networking Port (including VPN extensions).	MRC	$ 70.53
54151ECOM	Lumen	132-52.7211	Network Management Service (NMS)—CTL – Integrated Management Monitor. Up/down monitoring and notification of faults. The following MRC is in addition to the Port MRC. (NRC is N/A) NOTE: These NMS Devices are associated with a CenturyLink IQ Networking Port. The following MRC is in addition to the Port MRC. (NRC is N/A)	MRC	$ 24.69
54151ECOM	Lumen	132-52.7212	Network Management Service (NMS)—CTL – Integrated Management Select 24/7/365 performance and health monitoring, reporting, change management*, fault management, configuration backup Management for basic routing configurations only NOTE: These NMS Devices are associated with a CenturyLink IQ Networking Port. The following MRC is in addition to the Port MRC. (NRC is N/A)	MRC	$ 31.74
54151ECOM	Lumen	132-52.7213	Network Management Service (NMS)—CTL – Integrated Management Comprehensive All of the Select features plus: Complex routing configuration support, international service, total customer agency** (TCA) and IPSec tunnel management configurations NOTE: These NMS Devices are associated with a CenturyLink IQ Networking Port. The following MRC is in addition to the Port MRC. (NRC is N/A)	MRC	$ 52.90

3.7.12 Lumen IQ Networking

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.1115	IQ Internet Port Ethernet (10MBPS) – One Year Term	MRC	$ 257.82
54151ECOM	Lumen	132-52.1116	IQ Internet Port Ethernet (10MBPS) – Two Year Term	MRC	$ 244.93
54151ECOM	Lumen	132-52.1120	IQ Internet Port Fast Ethernet (100MBPS) – One Year Term	MRC	$ 400.45
54151ECOM	Lumen	132-52.1121	IQ Internet Port Fast Ethernet (100MBPS) – Two Year Term	MRC	$ 380.43
54151ECOM	Lumen	132-52.1156	IQ Private Port Ethernet (10MBPS) – Two Year Term	MRC	$ 178.23
54151ECOM	Lumen	132-52.1161	IQ Private Port Fast Ethernet (100MBPS) – Two Year Term	MRC	$ 342.38
54151ECOM	Lumen	132-52.2151	IQ Tiered Ethernet 8 Mbps Public – One Year Term	MRC	$ 203.80
54151ECOM	Lumen	132-52.2152	IQ Tiered Ethernet 8 Mbps Public – Two Year Term	MRC	$ 193.61
54151ECOM	Lumen	132-52.2156	IQ Tiered Ethernet 10 Mbps Public – One Year Term	MRC	$ 208.45
54151ECOM	Lumen	132-52.2157	IQ Tiered Ethernet 10 Mbps Public – Two Year Term	MRC	$ 198.03
54151ECOM	Lumen	132-52.2182	IQ Tiered Ethernet 10 Mbps Private – Two Year Term	MRC	$ 178.23
54151ECOM	Lumen	132-52.2186	IQ Tiered Fast Ethernet 10 Mbps Public – One Year Term	MRC	$ 208.45
54151ECOM	Lumen	132-52.2187	IQ Tiered Fast Ethernet 10 Mbps Public – Two Year Term	MRC	$ 198.03
54151ECOM	Lumen	132-52.2191	IQ Tiered Fast Ethernet 15 Mbps Public – One Year Term	MRC	$ 233.36
54151ECOM	Lumen	132-52.2192	IQ Tiered Fast Ethernet 15 Mbps Public – Two Year Term	MRC	$ 221.69
54151ECOM	Lumen	132-52.2196	IQ Tiered Fast Ethernet 20 Mbps Public – One Year Term	MRC	$ 249.59
54151ECOM	Lumen	132-52.2197	IQ Tiered Fast Ethernet 20 Mbps Public – Two Year Term	MRC	$ 237.11
54151ECOM	Lumen	132-52.2201	IQ Tiered Fast Ethernet 30 Mbps Public – One Year Term	MRC	$ 285.20

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.2202	IQ Tiered Fast Ethernet 30 Mbps Public – Two Year Term	MRC	$ 270.94
54151ECOM	Lumen	132-52.2206	IQ Tiered Fast Ethernet 40 Mbps Public – One Year Term	MRC	$ 309.83
54151ECOM	Lumen	132-52.2207	IQ Tiered Fast Ethernet 40 Mbps Public – Two Year Term	MRC	$ 294.33
54151ECOM	Lumen	132-52.2211	IQ Tiered Fast Ethernet 50 Mbps Public – One Year Term	MRC	$ 334.62
54151ECOM	Lumen	132-52.2212	IQ Tiered Fast Ethernet 50 Mbps Public – Two Year Term	MRC	$ 317.89
54151ECOM	Lumen	132-52.2216	IQ Tiered Fast Ethernet 60 Mbps Public – One Year Term	MRC	$ 348.55
54151ECOM	Lumen	132-52.2217	IQ Tiered Fast Ethernet 60 Mbps Public – Two Year Term	MRC	$ 331.13
54151ECOM	Lumen	132-52.2221	IQ Tiered Fast Ethernet 70 Mbps Public – One Year Term	MRC	$ 364.41
54151ECOM	Lumen	132-52.2222	IQ Tiered Fast Ethernet 70 Mbps Public – Two Year Term	MRC	$ 346.19
54151ECOM	Lumen	132-52.2226	IQ Tiered Fast Ethernet 80 Mbps Public – One Year Term	MRC	$ 378.72
54151ECOM	Lumen	132-52.2227	IQ Tiered Fast Ethernet 80 Mbps Public – Two Year Term	MRC	$ 359.79
54151ECOM	Lumen	132-52.2231	IQ Tiered Fast Ethernet 90 Mbps Public – One Year Term	MRC	$ 392.00
54151ECOM	Lumen	132-52.2232	IQ Tiered Fast Ethernet 90 Mbps Public – Two Year Term	MRC	$ 372.40
54151ECOM	Lumen	132-52.2236	IQ Tiered Fast Ethernet 100 Mbps Public – One Year Term	MRC	$ 400.45
54151ECOM	Lumen	132-52.2237	IQ Tiered Fast Ethernet 100 Mbps Public – Two Year Term	MRC	$ 380.43
54151ECOM	Lumen	132-52.2242	IQ Tiered Fast Ethernet 10 Mbps Private – Two Year Term	MRC	$ 178.23
54151ECOM	Lumen	132-52.2252	IQ Tiered Fast Ethernet 20 Mbps Private – Two Year Term	MRC	$ 213.40
54151ECOM	Lumen	132-52.2257	IQ Tiered Fast Ethernet 30 Mbps Private – Two Year Term	MRC	$ 257.96
54151ECOM	Lumen	132-52.2262	IQ Tiered Fast Ethernet 40 Mbps Private – Two Year Term	MRC	$ 272.03
54151ECOM	Lumen	132-52.2267	IQ Tiered Fast Ethernet 50 Mbps Private – Two Year Term	MRC	$ 286.10
54151ECOM	Lumen	132-52.2272	IQ Tiered Fast Ethernet 60 Mbps Private – Two Year Term	MRC	$ 294.54
54151ECOM	Lumen	132-52.2277	IQ Tiered Fast Ethernet 70 Mbps Private – Two Year Term	MRC	$ 317.76
54151ECOM	Lumen	132-52.2282	IQ Tiered Fast Ethernet 80 Mbps Private – Two Year Term	MRC	$ 323.43
54151ECOM	Lumen	132-52.2287	IQ Tiered Fast Ethernet 90 Mbps Private – Two Year Term	MRC	$ 333.10
54151ECOM	Lumen	132-52.2292	IQ Tiered Fast Ethernet 100 Mbps Private – Two Year Term	MRC	$ 342.38
54151ECOM	Lumen	132-52.2296	IQ Tiered Gigabit Ethernet 100 Mbps Public – One Year Term	MRC	$ 400.45
54151ECOM	Lumen	132-52.2297	IQ Tiered Gigabit Ethernet 100 Mbps Public – Two Year Term	MRC	$ 380.43
54151ECOM	Lumen	132-52.2299	IQ Tiered Gigabit Ethernet 100 Mbps Public – Installation 1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2301	IQ Tiered Gigabit Ethernet 200 Mbps Public – One Year Term	MRC	$ 504.67
54151ECOM	Lumen	132-52.2302	IQ Tiered Gigabit Ethernet 200 Mbps Public – Two Year Term	MRC	$ 479.44
54151ECOM	Lumen	132-52.2304	IQ Tiered Gigabit Ethernet 200 Mbps Public – Installation 1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2306	IQ Tiered Gigabit Ethernet 300 Mbps Public – One Year Term	MRC	$ 599.03
54151ECOM	Lumen	132-52.2307	IQ Tiered Gigabit Ethernet 300 Mbps Public – Two Year Term	MRC	$ 569.07
54151ECOM	Lumen	132-52.2309	IQ Tiered Gigabit Ethernet 300 Mbps Public – Installation 1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2311	IQ Tiered Gigabit Ethernet 400 Mbps Public – One Year Term	MRC	$ 669.24
54151ECOM	Lumen	132-52.2312	IQ Tiered Gigabit Ethernet 400 Mbps Public – Two Year Term	MRC	$ 635.78
54151ECOM	Lumen	132-52.2314	IQ Tiered Gigabit Ethernet 400 Mbps Public – Installation 1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2316	IQ Tiered Gigabit Ethernet 500 Mbps Public – One Year Term	MRC	$ 699.41
54151ECOM	Lumen	132-52.2317	IQ Tiered Gigabit Ethernet 500 Mbps Public – Two Year Term	MRC	$ 664.44
54151ECOM	Lumen	132-52.2319	IQ Tiered Gigabit Ethernet 500 Mbps Public – Installation 1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2321	IQ Tiered Gigabit Ethernet 600 Mbps Public – One Year Term	MRC	$ 783.34
54151ECOM	Lumen	132-52.2322	IQ Tiered Gigabit Ethernet 600 Mbps Public – Two Year Term	MRC	$ 744.17
54151ECOM	Lumen	132-52.2324	IQ Tiered Gigabit Ethernet 600 Mbps Public – Installation 1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2326	IQ Tiered Gigabit Ethernet 700 Mbps Public – One Year Term	MRC	$ 829.42
54151ECOM	Lumen	132-52.2327	IQ Tiered Gigabit Ethernet 700 Mbps Public – Two Year Term	MRC	$ 787.95
54151ECOM	Lumen	132-52.2329	IQ Tiered Gigabit Ethernet 700 Mbps Public – Installation 1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2331	IQ Tiered Gigabit Ethernet 800 Mbps Public – One Year Term	MRC	$ 873.31
54151ECOM	Lumen	132-52.2332	IQ Tiered Gigabit Ethernet 800 Mbps Public – Two Year Term	MRC	$ 829.64
54151ECOM	Lumen	132-52.2334	IQ Tiered Gigabit Ethernet 800 Mbps Public – Installation 1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2336	IQ Tiered Gigabit Ethernet 900 Mbps Public – One Year Term	MRC	$ 913.35
54151ECOM	Lumen	132-52.2337	IQ Tiered Gigabit Ethernet 900 Mbps Public – Two Year Term	MRC	$ 867.68
54151ECOM	Lumen	132-52.2339	IQ Tiered Gigabit Ethernet 900 Mbps Public – Installation 1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2341	IQ Tiered Gigabit Ethernet 1000 Mbps Public – One Year Term	MRC	$ 979.18
54151ECOM	Lumen	132-52.2342	IQ Tiered Gigabit Ethernet 1000 Mbps Public – Two Year Term	MRC	$ 930.22
54151ECOM	Lumen	132-52.2344	IQ Tiered Gigabit Ethernet 1000 Mbps Public – Installation 1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2347	IQ Tiered Gigabit Ethernet 100 Mbps Private – Two Year Term	MRC	$ 342.38
54151ECOM	Lumen	132-52.2349	IQ Tiered Gigabit Ethernet 100 Mbps Private – Installation1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2352	IQ Tiered Gigabit Ethernet 200 Mbps Private – Two Year Term	MRC	$ 492.47
54151ECOM	Lumen	132-52.2354	IQ Tiered Gigabit Ethernet 200 Mbps Private – Installation1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2357	IQ Tiered Gigabit Ethernet 300 Mbps Private – Two Year Term	MRC	$ 574.55
54151ECOM	Lumen	132-52.2359	IQ Tiered Gigabit Ethernet 300 Mbps Private – Installation1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2362	IQ Tiered Gigabit Ethernet 400 Mbps Private – Two Year Term	MRC	$ 609.72
54151ECOM	Lumen	132-52.2364	IQ Tiered Gigabit Ethernet 400 Mbps Private – Installation1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2367	IQ Tiered Gigabit Ethernet 500 Mbps Private – Two Year Term	MRC	$ 691.80
54151ECOM	Lumen	132-52.2369	IQ Tiered Gigabit Ethernet 500 Mbps Private – Installation1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2372	IQ Tiered Gigabit Ethernet 600 Mbps Private – Two Year Term	MRC	$ 772.94
54151ECOM	Lumen	132-52.2374	IQ Tiered Gigabit Ethernet 600 Mbps Private – Installation1 YR	NRC	$ 345.59

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.2377	IQ Tiered Gigabit Ethernet 700 Mbps Private – Two Year Term	MRC	$ 821.72
54151ECOM	Lumen	132-52.2379	IQ Tiered Gigabit Ethernet 700 Mbps Private – Installation 1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2382	IQ Tiered Gigabit Ethernet 800 Mbps Private – Two Year Term	MRC	$ 864.87
54151ECOM	Lumen	132-52.2384	IQ Tiered Gigabit Ethernet 800 Mbps Private – Installation 1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2387	IQ Tiered Gigabit Ethernet 900 Mbps Private – Two Year Term	MRC	$ 912.24
54151ECOM	Lumen	132-52.2389	IQ Tiered Gigabit Ethernet 900 Mbps Private – Installation 1 YR	NRC	$ 345.59
54151ECOM	Lumen	132-52.2392	IQ Tiered Gigabit Ethernet 1000 Mbps Private – Two Year Term	MRC	$ 961.49
54151ECOM	Lumen	132-52.2396	IQ Tiered 10 Gigabit Ethernet 1000 Mbps Public – One Year Term	MRC	$ 979.18
54151ECOM	Lumen	132-52.2397	IQ Tiered 10 Gigabit Ethernet 1000 Mbps Public – Two Year Term	MRC	$ 930.22
54151ECOM	Lumen	132-52.2399	IQ Tiered 10 Gigabit Ethernet 1000 Mbps Public – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2401	IQ Tiered 10 Gigabit Ethernet 2000 Mbps Public – One Year Term	MRC	$ 1,535.96
54151ECOM	Lumen	132-52.2402	IQ Tiered 10 Gigabit Ethernet 2000 Mbps Public – Two Year Term	MRC	$ 1,459.17
54151ECOM	Lumen	132-52.2404	IQ Tiered 10 Gigabit Ethernet 2000 Mbps Public – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2406	IQ Tiered 10 Gigabit Ethernet 3000 Mbps Public – One Year Term	MRC	$ 2,073.55
54151ECOM	Lumen	132-52.2407	IQ Tiered 10 Gigabit Ethernet 3000 Mbps Public – Two Year Term	MRC	$ 1,969.87
54151ECOM	Lumen	132-52.2409	IQ Tiered 10 Gigabit Ethernet 3000 Mbps Public – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2411	IQ Tiered 10 Gigabit Ethernet 4000 Mbps Public – One Year Term	MRC	$ 2,545.31
54151ECOM	Lumen	132-52.2412	IQ Tiered 10 Gigabit Ethernet 4000 Mbps Public – Two Year Term	MRC	$ 2,418.05
54151ECOM	Lumen	132-52.2414	IQ Tiered 10 Gigabit Ethernet 4000 Mbps Public – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2416	IQ Tiered 10 Gigabit Ethernet 5000 Mbps Public – One Year Term	MRC	$ 2,896.39
54151ECOM	Lumen	132-52.2417	IQ Tiered 10 Gigabit Ethernet 5000 Mbps Public – Two Year Term	MRC	$ 2,751.57
54151ECOM	Lumen	132-52.2419	IQ Tiered 10 Gigabit Ethernet 5000 Mbps Public – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2421	IQ Tiered 10 Gigabit Ethernet 6000 Mbps Public – One Year Term	MRC	$ 3,357.18
54151ECOM	Lumen	132-52.2422	IQ Tiered 10 Gigabit Ethernet 6000 Mbps Public – Two Year Term	MRC	$ 3,189.32
54151ECOM	Lumen	132-52.2424	IQ Tiered 10 Gigabit Ethernet 6000 Mbps Public – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2426	IQ Tiered 10 Gigabit Ethernet 7000 Mbps Public – One Year Term	MRC	$ 3,724.71
54151ECOM	Lumen	132-52.2427	IQ Tiered 10 Gigabit Ethernet 7000 Mbps Public – Two Year Term	MRC	$ 3,538.48
54151ECOM	Lumen	132-52.2429	IQ Tiered 10 Gigabit Ethernet 7000 Mbps Public – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2431	IQ Tiered 10 Gigabit Ethernet 8000 Mbps Public – One Year Term	MRC	$ 4,125.16
54151ECOM	Lumen	132-52.2432	IQ Tiered 10 Gigabit Ethernet 8000 Mbps Public – Two Year Term	MRC	$ 3,918.90
54151ECOM	Lumen	132-52.2434	IQ Tiered 10 Gigabit Ethernet 8000 Mbps Public – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2436	IQ Tiered 10 Gigabit Ethernet 9000 Mbps Public – One Year Term	MRC	$ 4,443.32
54151ECOM	Lumen	132-52.2437	IQ Tiered 10 Gigabit Ethernet 9000 Mbps Public – Two Year Term	MRC	$ 4,221.16
54151ECOM	Lumen	132-52.2439	IQ Tiered 10 Gigabit Ethernet 9000 Mbps Public – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2447	IQ Tiered 10 Gigabit Ethernet 1000 Mbps Private – Two Year Term	MRC	$ 961.49
54151ECOM	Lumen	132-52.2449	IQ Tiered 10 Gigabit Ethernet 1000 Mbps Private – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2452	IQ Tiered 10 Gigabit Ethernet 2000 Mbps Private – Two Year Term	MRC	$ 1,688.46
54151ECOM	Lumen	132-52.2454	IQ Tiered 10 Gigabit Ethernet 2000 Mbps Private – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2457	IQ Tiered 10 Gigabit Ethernet 3000 Mbps Private – Two Year Term	MRC	$ 2,298.19
54151ECOM	Lumen	132-52.2459	IQ Tiered 10 Gigabit Ethernet 3000 Mbps Private – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2462	IQ Tiered 10 Gigabit Ethernet 4000 Mbps Private – Two Year Term	MRC	$ 2,729.68
54151ECOM	Lumen	132-52.2467	IQ Tiered 10 Gigabit Ethernet 5000 Mbps Private – Two Year Term	MRC	$ 2,978.26
54151ECOM	Lumen	132-52.2469	IQ Tiered 10 Gigabit Ethernet 5000 Mbps Private – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2472	IQ Tiered 10 Gigabit Ethernet 6000 Mbps Private – Two Year Term	MRC	$ 3,480.11
54151ECOM	Lumen	132-52.2477	IQ Tiered 10 Gigabit Ethernet 7000 Mbps Private – Two Year Term	MRC	$ 3,920.99
54151ECOM	Lumen	132-52.2479	IQ Tiered 10 Gigabit Ethernet 7000 Mbps Private – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2482	IQ Tiered 10 Gigabit Ethernet 8000 Mbps Private – Two Year Term	MRC	$ 4,249.30
54151ECOM	Lumen	132-52.2484	IQ Tiered 10 Gigabit Ethernet 8000 Mbps Private – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2487	IQ Tiered 10 Gigabit Ethernet 9000 Mbps Private – Two Year Term	MRC	$ 4,563.54
54151ECOM	Lumen	132-52.2489	IQ Tiered 10 Gigabit Ethernet 9000 Mbps Private – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.2492	IQ Internet Tiered 10 Gigabit Ethernet 10000 Mbps Private – Two Year Term	MRC	$ 4,924.69
54151ECOM	Lumen	132-52.2494	IQ Internet Tiered 10 Gigabit Ethernet 10000 Mbps Private – Installation 1 YR	NRC	$ 987.41
54151ECOM	Lumen	132-52.3462	IQ Tiered Ethernet 9 Mbps Public – One Year Term	MRC	$ 205.87
54151ECOM	Lumen	132-52.3463	IQ Tiered Ethernet 9 Mbps Public – Two Year Term	MRC	$ 195.58
54151ECOM	Lumen	132-52.3540	IQ Private Port Gigabit Ethernet MRC Two Year Term	MRC	$ 961.49
54151ECOM	Lumen	132-52.3544	IQ Private Port 10 Gigabit Ethernet MRC Two Year Term	MRC	$ 4,924.69
54151ECOM	Lumen	132-52.3878	IQ Public Port Gigabit Ethernet MRC One Year Term	MRC	$ 979.18
54151ECOM	Lumen	132-52.3879	IQ Public Port Gigabit Ethernet MRC Two Year Term	MRC	$ 930.22
54151ECOM	Lumen	132-52.8329	IQ Internet Port Fast Ethernet (100MBPS) - Installation 1 YR	NRC	$ 160.45
54151ECOM	Lumen	132-52.11272	IQ Tiered Ethernet 2 Mbps Private Port	MRC	$ 162.92
54151ECOM	Lumen	132-52.11273	IQ Tiered Ethernet 5 Mbps Private Port	MRC	$ 175.26

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3.7.13 Dedicated Internet Access (DIA)

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9146	Dedicated Internet Access (2Mbps)—Fast Ethernet (100 Mb)	MRC	$ 147.78
54151ECOM	Lumen	132-52.9147	Dedicated Internet Access (4Mbps)—Fast Ethernet (100 Mb)	MRC	$ 156.62
54151ECOM	Lumen	132-52.9148	Dedicated Internet Access (6Mbps)—Fast Ethernet (100 Mb)	MRC	$ 162.26
54151ECOM	Lumen	132-52.9149	Dedicated Internet Access (8Mbps)—Fast Ethernet (100 Mb)	MRC	$ 166.37
54151ECOM	Lumen	132-52.9150	Dedicated Internet Access (10Mbps)—Fast Ethernet (100 Mb)	MRC	$ 170.17
54151ECOM	Lumen	132-52.9151	Dedicated Internet Access (12Mbps)—Fast Ethernet (100 Mb)	MRC	$ 178.62
54151ECOM	Lumen	132-52.9152	Dedicated Internet Access (15Mbps)—Fast Ethernet (100 Mb)	MRC	$ 190.50
54151ECOM	Lumen	132-52.9153	Dedicated Internet Access (20Mbps)—Fast Ethernet (100 Mb)	MRC	$ 203.75
54151ECOM	Lumen	132-52.9154	Dedicated Internet Access (30Mbps)—Fast Ethernet (100 Mb)	MRC	$ 232.81
54151ECOM	Lumen	132-52.9155	Dedicated Internet Access (40Mbps)—Fast Ethernet (100 Mb)	MRC	$ 252.92
54151ECOM	Lumen	132-52.9156	Dedicated Internet Access (45Mbps)—Fast Ethernet (100 Mb)	MRC	$ 261.76
54151ECOM	Lumen	132-52.9157	Dedicated Internet Access (50Mbps)—Fast Ethernet (100 Mb)	MRC	$ 273.16
54151ECOM	Lumen	132-52.9158	Dedicated Internet Access (60Mbps)—Fast Ethernet (100 Mb)	MRC	$ 284.53
54151ECOM	Lumen	132-52.9159	Dedicated Internet Access (70Mbps)—Fast Ethernet (100 Mb)	MRC	$ 297.48
54151ECOM	Lumen	132-52.9160	Dedicated Internet Access (80Mbps)—Fast Ethernet (100 Mb)	MRC	$ 309.16
54151ECOM	Lumen	132-52.9161	Dedicated Internet Access (90Mbps)—Fast Ethernet (100 Mb)	MRC	$ 320.00
54151ECOM	Lumen	132-52.9162	Dedicated Internet Access (100Mbps)—Fast Ethernet (100 Mb)	MRC	$ 326.90
54151ECOM	Lumen	132-52.9163	Dedicated Internet Access (100Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 326.90
54151ECOM	Lumen	132-52.9164	Dedicated Internet Access (135Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 359.70
54151ECOM	Lumen	132-52.9165	Dedicated Internet Access (150Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 374.14
54151ECOM	Lumen	132-52.9166	Dedicated Internet Access (200Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 411.98
54151ECOM	Lumen	132-52.9167	Dedicated Internet Access (250Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 455.64
54151ECOM	Lumen	132-52.9168	Dedicated Internet Access (300Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 489.00
54151ECOM	Lumen	132-52.9169	Dedicated Internet Access (350Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 518.78
54151ECOM	Lumen	132-52.9170	Dedicated Internet Access (400Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 546.32
54151ECOM	Lumen	132-52.9171	Dedicated Internet Access (450Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 572.29
54151ECOM	Lumen	132-52.9172	Dedicated Internet Access (500Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 570.95
54151ECOM	Lumen	132-52.9173	Dedicated Internet Access (550Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 618.19
54151ECOM	Lumen	132-52.9174	Dedicated Internet Access (600Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 639.46
54151ECOM	Lumen	132-52.9175	Dedicated Internet Access (622Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 646.20
54151ECOM	Lumen	132-52.9176	Dedicated Internet Access (650Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 657.82
54151ECOM	Lumen	132-52.9177	Dedicated Internet Access (700Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 677.08

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9178	Dedicated Internet Access (750Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 695.21
54151ECOM	Lumen	132-52.9179	Dedicated Internet Access (800Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 712.90
54151ECOM	Lumen	132-52.9180	Dedicated Internet Access (850Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 730.81
54151ECOM	Lumen	132-52.9181	Dedicated Internet Access (900Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 745.59
54151ECOM	Lumen	132-52.9182	Dedicated Internet Access (950Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 761.49
54151ECOM	Lumen	132-52.9183	Dedicated Internet Access (1000Mbps)—Gig-Ethernet (1000 Mb)	MRC	$ 799.33
54151ECOM	Lumen	132-52.9184	Dedicated Internet Access (1000Mbps)—10 GB	MRC	$ 799.33
54151ECOM	Lumen	132-52.9185	Dedicated Internet Access (1100Mbps)—10 GB	MRC	$ 847.24
54151ECOM	Lumen	132-52.9186	Dedicated Internet Access (1200Mbps)—10 GB	MRC	$ 897.40
54151ECOM	Lumen	132-52.9187	Dedicated Internet Access (1300Mbps)—10 GB	MRC	$ 948.89
54151ECOM	Lumen	132-52.9188	Dedicated Internet Access (1400Mbps)—10 GB	MRC	$ 996.81
54151ECOM	Lumen	132-52.9189	Dedicated Internet Access (1500Mbps)—10 GB	MRC	$ 1,047.86
54151ECOM	Lumen	132-52.9190	Dedicated Internet Access (1600Mbps)—10 GB	MRC	$ 1,096.22
54151ECOM	Lumen	132-52.9191	Dedicated Internet Access (1700Mbps)—10 GB	MRC	$ 1,141.90
54151ECOM	Lumen	132-52.9192	Dedicated Internet Access (1800Mbps)—10 GB	MRC	$ 1,192.95
54151ECOM	Lumen	132-52.9193	Dedicated Internet Access (1900Mbps)—10 GB	MRC	$ 1,233.70
54151ECOM	Lumen	132-52.9194	Dedicated Internet Access (2000Mbps)—10 GB	MRC	$ 1,253.85
54151ECOM	Lumen	132-52.9195	Dedicated Internet Access (2100Mbps)—10 GB	MRC	$ 1,325.94
54151ECOM	Lumen	132-52.9196	Dedicated Internet Access (2200Mbps)—10 GB	MRC	$ 1,369.38
54151ECOM	Lumen	132-52.9197	Dedicated Internet Access (2300Mbps)—10 GB	MRC	$ 1,411.03
54151ECOM	Lumen	132-52.9198	Dedicated Internet Access (2400Mbps)—10 GB	MRC	$ 1,450.88
54151ECOM	Lumen	132-52.9199	Dedicated Internet Access (2500Mbps)—10 GB	MRC	$ 1,488.94
54151ECOM	Lumen	132-52.9200	Dedicated Internet Access (2600Mbps)—10 GB	MRC	$ 1,536.86
54151ECOM	Lumen	132-52.9201	Dedicated Internet Access (2700Mbps)—10 GB	MRC	$ 1,571.79
54151ECOM	Lumen	132-52.9202	Dedicated Internet Access (2800Mbps)—10 GB	MRC	$ 1,617.46
54151ECOM	Lumen	132-52.9203	Dedicated Internet Access (2900Mbps)—10 GB	MRC	$ 1,662.24
54151ECOM	Lumen	132-52.9204	Dedicated Internet Access (3000Mbps)—10 GB	MRC	$ 1,692.70
54151ECOM	Lumen	132-52.9205	Dedicated Internet Access (3100Mbps)—10 GB	MRC	$ 1,735.24
54151ECOM	Lumen	132-52.9206	Dedicated Internet Access (3200Mbps)—10 GB	MRC	$1,776.88
54151ECOM	Lumen	132-52.9207	Dedicated Internet Access (3300Mbps)—10 GB	MRC	$ 1,817.63
54151ECOM	Lumen	132-52.9208	Dedicated Internet Access (3400Mbps)—10 GB	MRC	$ 1,842.26
54151ECOM	Lumen	132-52.9209	Dedicated Internet Access (3500Mbps)—10 GB	MRC	$ 1,880.77
54151ECOM	Lumen	132-52.9210	Dedicated Internet Access (3600Mbps)—10 GB	MRC	$ 1,918.39
54151ECOM	Lumen	132-52.9211	Dedicated Internet Access (3700Mbps)—10 GB	MRC	$ 1,955.11
54151ECOM	Lumen	132-52.9212	Dedicated Internet Access (3800Mbps)—10 GB	MRC	$ 1,990.93
54151ECOM	Lumen	132-52.9213	Dedicated Internet Access (3900Mbps)—10 GB	MRC	$ 2,025.86
54151ECOM	Lumen	132-52.9214	Dedicated Internet Access (4000Mbps)—10 GB	MRC	$ 2,077.81
54151ECOM	Lumen	132-52.9215	Dedicated Internet Access (4100Mbps)—10 GB	MRC	$ 2,111.39
54151ECOM	Lumen	132-52.9216	Dedicated Internet Access (4200Mbps)—10 GB	MRC	$ 2,144.08
54151ECOM	Lumen	132-52.9217	Dedicated Internet Access (4300Mbps)—10 GB	MRC	$ 2,175.87
54151ECOM	Lumen	132-52.9218	Dedicated Internet Access (4400Mbps)—10 GB	MRC	$ 2,206.77
54151ECOM	Lumen	132-52.9219	Dedicated Internet Access (4500Mbps)—10 GB	MRC	$ 2,236.78
54151ECOM	Lumen	132-52.9220	Dedicated Internet Access (4600Mbps)—10 GB	MRC	$ 2,286.48
54151ECOM	Lumen	132-52.9221	Dedicated Internet Access (4700Mbps)—10 GB	MRC	$ 2,315.14
54151ECOM	Lumen	132-52.9222	Dedicated Internet Access (4800Mbps)—10 GB	MRC	$ 2,342.91
54151ECOM	Lumen	132-52.9223	Dedicated Internet Access (4900Mbps)—10 GB	MRC	$2,350.03
54151ECOM	Lumen	132-52.9224	Dedicated Internet Access (5000Mbps)—10 GB	MRC	$ 2,364.40
54151ECOM	Lumen	132-52.9225	Dedicated Internet Access (5100Mbps)—10 GB	MRC	$ 2,443.66
54151ECOM	Lumen	132-52.9226	Dedicated Internet Access (5200Mbps)—10 GB	MRC	$ 2,491.58
54151ECOM	Lumen	132-52.9227	Dedicated Internet Access (5300Mbps)—10 GB	MRC	$ 2,515.76
54151ECOM	Lumen	132-52.9228	Dedicated Internet Access (5400Mbps)—10 GB	MRC	$ 2,539.04
54151ECOM	Lumen	132-52.9229	Dedicated Internet Access (5500Mbps)—10 GB	MRC	$ 2,586.06
54151ECOM	Lumen	132-52.9230	Dedicated Internet Access (5600Mbps)—10 GB	MRC	$ 2,608.00
54151ECOM	Lumen	132-52.9231	Dedicated Internet Access (5700Mbps)—10 GB	MRC	$ 2,654.58
54151ECOM	Lumen	132-52.9232	Dedicated Internet Access (5800Mbps)—10 GB	MRC	$ 2,675.17
54151ECOM	Lumen	132-52.9233	Dedicated Internet Access (5900Mbps)—10 GB	MRC	$ 2,721.30
54151ECOM	Lumen	132-52.9234	Dedicated Internet Access (6000Mbps)—10 GB	MRC	$ 2,740.55
54151ECOM	Lumen	132-52.9235	Dedicated Internet Access (6500Mbps)—10 GB	MRC	$ 2,910.72

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9236	Dedicated Internet Access (7000Mbps)—10 GB	MRC	$ 3,040.58
54151ECOM	Lumen	132-52.9237	Dedicated Internet Access (7500Mbps)—10 GB	MRC	$ 3,190.60
54151ECOM	Lumen	132-52.9238	Dedicated Internet Access (8000Mbps)—10 GB	MRC	$ 3,367.48
54151ECOM	Lumen	132-52.9239	Dedicated Internet Access (8500Mbps)—10 GB	MRC	$ 3,501.82
54151ECOM	Lumen	132-52.9240	Dedicated Internet Access (9000Mbps)—10 GB	MRC	$ 3,627.20
54151ECOM	Lumen	132-52.9241	Dedicated Internet Access (10000Mbps)—10 GB	MRC	$ 3,940.67
54151ECOM	Lumen	132-52.9242	Dedicated Internet Access (10000Mbps)—100 Gig-Ethernet	MRC	$ 3,940.67
54151ECOM	Lumen	132-52.9243	Dedicated Internet Access (15000Mbps)—100 Gig-Ethernet	MRC	$ 5,239.29
54151ECOM	Lumen	132-52.9244	Dedicated Internet Access (20000Mbps)—100 Gig-Ethernet	MRC	$ 6,269.24
54151ECOM	Lumen	132-52.9245	Dedicated Internet Access (25000Mbps)—100 Gig-Ethernet	MRC	$ 7,612.65
54151ECOM	Lumen	132-52.9246	Dedicated Internet Access (30000Mbps)—100 Gig-Ethernet	MRC	$ 8,597.82
54151ECOM	Lumen	132-52.9247	Dedicated Internet Access (35000Mbps)—100 Gig-Ethernet	MRC	$ 9,717.32
54151ECOM	Lumen	132-52.9248	Dedicated Internet Access (40000Mbps)—100 Gig-Ethernet	MRC	$ 10,568.15
54151ECOM	Lumen	132-52.9249	Dedicated Internet Access (45000Mbps)—100 Gig-Ethernet	MRC	$ 11,486.15
54151ECOM	Lumen	132-52.9250	Dedicated Internet Access (50000Mbps)—100 Gig-Ethernet	MRC	$ 12,314.58
54151ECOM	Lumen	132-52.9251	Dedicated Internet Access (55000Mbps)—100 Gig-Ethernet	MRC	$ 13,299.75
54151ECOM	Lumen	132-52.9252	Dedicated Internet Access (60000Mbps)—100 Gig-Ethernet	MRC	$ 14,240.13
54151ECOM	Lumen	132-52.9253	Dedicated Internet Access (65000Mbps)—100 Gig-Ethernet	MRC	$ 15,135.74
54151ECOM	Lumen	132-52.9254	Dedicated Internet Access (70000Mbps)—100 Gig-Ethernet	MRC	$ 15,986.57
54151ECOM	Lumen	132-52.9255	Dedicated Internet Access (75000Mbps)—100 Gig-Ethernet	MRC	$ 16,792.61
54151ECOM	Lumen	132-52.9256	Dedicated Internet Access (80000Mbps)—100 Gig-Ethernet	MRC	$ 17,553.88
54151ECOM	Lumen	132-52.9257	Dedicated Internet Access (85000Mbps)—100 Gig-Ethernet	MRC	$ 18,270.36
54151ECOM	Lumen	132-52.9258	Dedicated Internet Access (90000Mbps)—100 Gig-Ethernet	MRC	$ 18,942.07
54151ECOM	Lumen	132-52.9259	Dedicated Internet Access (95000Mbps)—100 Gig-Ethernet	MRC	$ 19,994.40
54151ECOM	Lumen	132-52.9260	Dedicated Internet Access (100000Mbps)—100 Gig-Ethernet	MRC	$ 20,375.03
54151ECOM	Lumen	132-52.9555	DIA Access Ethernet (100/1000 Mb)	MRC	$ 174.52
54151ECOM	Lumen	132-52.11142	DIA Access Ethernet (3000 Mbps)	MRC	$ 503.78
54151ECOM	Lumen	132-52.11143	DIA Access Wavelength (10000 Mbps)	MRC	$ 377.83
54151ECOM	Lumen	132-52.11144	DIA Access Wavelength (100000 Mbps)	MRC	$ 1,031.23

3.7.14 Voice Complete

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9382	Voice Complete Concurrent Call Path (CCP) Plan 1* per Call Path	MRC	$ 8.89
54151ECOM	Lumen	132-52.9383	Voice Complete Concurrent Call Path (CCP) Plan 2** per Call Path	MRC	$ 22.31
54151ECOM	Lumen	132-52.11286	Voice Complete Concurrent Call Path (CCP) Plan 3* per Call Path	MRC	$ 28.88
54151ECOM	Lumen	132-52.11287	Voice Complete Concurrent Call Path (CCP) Plan 4** per Call Path	MRC	$ 30.86
54151ECOM	Lumen	132.52.11288	Voice Complete Concurrent Call Path (CCP) Plan 5** per Call Path	MRC	$ 79.72
54151ECOM	Lumen	132-52.12062	Telephone Numbers	MRC	$ 0.15
54151ECOM	Lumen	132-52.12063	Telephone Numbers with Teams/Lync 911	MRC	$ 0.25

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3.7.15 Ethernet Line (E-Line)

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8458	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 2Mbs	MRC	$ 99.87
54151ECOM	Lumen	132-52.8459	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service;4Mbs	MRC	$ 132.61
54151ECOM	Lumen	132-52.8460	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 6Mbs	MRC	$ 156.52
54151ECOM	Lumen	132-52.8461	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 8Mbs	MRC	$ 176.07
54151ECOM	Lumen	132-52.8462	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 10Mbs	MRC	$ 192.89
54151ECOM	Lumen	132-52.8463	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 15Mbs	MRC	$ 227.69
54151ECOM	Lumen	132-52.8464	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 20Mbs	MRC	$ 256.12
54151ECOM	Lumen	132-52.8465	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 25Mbs	MRC	$ 280.59
54151ECOM	Lumen	132-52.8466	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 30Mbs	MRC	$ 302.32
54151ECOM	Lumen	132-52.8467	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 35Mbs	MRC	$ 321.99
54151ECOM	Lumen	132-52.8468	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 40Mbs	MRC	$ 337.51
54151ECOM	Lumen	132-52.8469	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 45Mbs	MRC	$ 354.17
54151ECOM	Lumen	132-52.8470	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 50Mbs	MRC	$ 372.56
54151ECOM	Lumen	132-52.8471	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 55Mbs	MRC	$ 387.37
54151ECOM	Lumen	132-52.8472	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 60Mbs	MRC	$ 401.40
54151ECOM	Lumen	132-52.8473	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 65Mbs	MRC	$ 414.76
54151ECOM	Lumen	132-52.8474	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 70Mbs	MRC	$ 427.53
54151ECOM	Lumen	132-52.8475	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 75Mbs	MRC	$ 439.76
54151ECOM	Lumen	132-52.8476	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 80Mbs	MRC	$ 451.53
54151ECOM	Lumen	132-52.8477	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 85Mbs	MRC	$ 462.86
54151ECOM	Lumen	132-52.8478	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 90Mbs	MRC	$ 470.26
54151ECOM	Lumen	132-52.8479	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 95Mbs	MRC	$ 480.77
54151ECOM	Lumen	132-52.8480	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 100Mbs	MRC	$ 490.96
54151ECOM	Lumen	132-52.8481	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 150Mbs	MRC	$ 583.90
54151ECOM	Lumen	132-52.8482	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 200Mbs	MRC	$ 656.81
54151ECOM	Lumen	132-52.8483	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 250Mbs	MRC	$ 719.57
54151ECOM	Lumen	132-52.8484	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 300Mbs	MRC	$ 775.28
54151ECOM	Lumen	132-52.8485	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 350Mbs	MRC	$ 825.74
54151ECOM	Lumen	132-52.8486	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 400Mbs	MRC	$ 872.09
54151ECOM	Lumen	132-52.8487	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 450Mbs	MRC	$ 915.13
54151ECOM	Lumen	132-52.8488	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 500Mbs	MRC	$ 945.87
54151ECOM	Lumen	132-52.8489	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 550Mbs	MRC	$ 978.50
54151ECOM	Lumen	132-52.8490	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 600Mbs	MRC	$ 1,008.81

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8491	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 650Mbs	MRC	$ 1,037.06
54151ECOM	Lumen	132-52.8492	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 700Mbs	MRC	$ 1,063.49
54151ECOM	Lumen	132-52.8493	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 750Mbs	MRC	$ 1,083.78
54151ECOM	Lumen	132-52.8494	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 800Mbs	MRC	$ 1,101.19
54151ECOM	Lumen	132-52.8495	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 850Mbs	MRC	$ 1,111.03
54151ECOM	Lumen	132-52.8496	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 900Mbs	MRC	$ 1,115.44
54151ECOM	Lumen	132-52.8497	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 950Mbs	MRC	$ 1,116.78
54151ECOM	Lumen	132-52.8498	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 1000Mbs	MRC	$ 1,129.04
54151ECOM	Lumen	132-52.8499	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 2000Mbs	MRC	$ 1,136.95
54151ECOM	Lumen	132-52.8500	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 3000Mbs	MRC	$ 1,153.16
54151ECOM	Lumen	132-52.8501	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 2Mbs	MRC	$ 109.86
54151ECOM	Lumen	132-52.8502	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 4Mbs	MRC	$ 145.87
54151ECOM	Lumen	132-52.8503	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 6Mbs	MRC	$ 172.18
54151ECOM	Lumen	132-52.8504	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 8Mbs	MRC	$ 193.68
54151ECOM	Lumen	132-52.8505	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 10Mbs	MRC	$ 212.18
54151ECOM	Lumen	132-52.8506	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 15Mbs	MRC	$ 250.46
54151ECOM	Lumen	132-52.8507	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 20Mbs	MRC	$ 281.73
54151ECOM	Lumen	132-52.8508	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 25Mbs	MRC	$ 308.65
54151ECOM	Lumen	132-52.8509	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 30Mbs	MRC	$ 332.55
54151ECOM	Lumen	132-52.8510	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 35Mbs	MRC	$ 354.19
54151ECOM	Lumen	132-52.8511	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 40Mbs	MRC	$ 371.26
54151ECOM	Lumen	132-52.8512	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 45Mbs	MRC	$ 392.53
54151ECOM	Lumen	132-52.8513	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 50Mbs	MRC	$ 409.82
54151ECOM	Lumen	132-52.8514	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 55Mbs	MRC	$ 426.11
54151ECOM	Lumen	132-52.8515	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 60Mbs	MRC	$ 441.54
54151ECOM	Lumen	132-52.8516	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 65Mbs	MRC	$ 456.24
54151ECOM	Lumen	132-52.8517	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 70Mbs	MRC	$ 470.28
54151ECOM	Lumen	132-52.8518	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 75Mbs	MRC	$ 483.74
54151ECOM	Lumen	132-52.8519	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 80Mbs	MRC	$ 496.68
54151ECOM	Lumen	132-52.8520	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 85Mbs	MRC	$ 509.15
54151ECOM	Lumen	132-52.8521	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 90Mbs	MRC	$ 517.28
54151ECOM	Lumen	132-52.8522	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 95Mbs	MRC	$ 528.85
54151ECOM	Lumen	132-52.8523	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 100Mbs	MRC	$ 540.06

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8524	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 150Mbs	MRC	$ 642.29
54151ECOM	Lumen	132-52.8525	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 200Mbs	MRC	$ 722.49
54151ECOM	Lumen	132-52.8526	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 250Mbs	MRC	$ 791.53
54151ECOM	Lumen	132-52.8527	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 300Mbs	MRC	$ 852.81
54151ECOM	Lumen	132-52.8528	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 350Mbs	MRC	$ 908.31
54151ECOM	Lumen	132-52.8529	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 400Mbs	MRC	$ 959.30
54151ECOM	Lumen	132-52.8530	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 450Mbs	MRC	$ 1,006.64
54151ECOM	Lumen	132-52.8531	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 500Mbs	MRC	$ 1,040.46
54151ECOM	Lumen	132-52.8532	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 550Mbs	MRC	$ 1,076.35
54151ECOM	Lumen	132-52.8533	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 600Mbs	MRC	$ 1,109.69
54151ECOM	Lumen	132-52.8534	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 650Mbs	MRC	$ 1,140.77
54151ECOM	Lumen	132-52.8535	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 700Mbs	MRC	$ 1,169.84
54151ECOM	Lumen	132-52.8536	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 750Mbs	MRC	$ 1,192.16
54151ECOM	Lumen	132-52.8537	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 800Mbs	MRC	$ 1,211.31
54151ECOM	Lumen	132-52.8538	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 850Mbs	MRC	$ 1,222.13
54151ECOM	Lumen	132-52.8539	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 900Mbs	MRC	$ 1,226.98
54151ECOM	Lumen	132-52.8540	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 950Mbs	MRC	$ 1,228.46
54151ECOM	Lumen	132-52.8541	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 1000Mbs	MRC	$ 1,241.94
54151ECOM	Lumen	132-52.8542	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 2000Mbs	MRC	$ 1,250.65
54151ECOM	Lumen	132-52.8543	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 3000Mbs	MRC	$ 1,268.47
54151ECOM	Lumen	132-52.8544	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 2Mbs	MRC	$ 124.84
54151ECOM	Lumen	132-52.8545	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 4Mbs	MRC	$ 165.76
54151ECOM	Lumen	132-52.8546	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 6Mbs	MRC	$ 195.66
54151ECOM	Lumen	132-52.8547	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 8Mbs	MRC	$ 220.09
54151ECOM	Lumen	132-52.8548	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 10Mbs	MRC	$ 241.12
54151ECOM	Lumen	132-52.8549	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 15Mbs	MRC	$ 284.61
54151ECOM	Lumen	132-52.8550	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 20Mbs	MRC	$ 320.15
54151ECOM	Lumen	132-52.8551	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 25Mbs	MRC	$ 350.74
54151ECOM	Lumen	132-52.8552	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 30Mbs	MRC	$ 377.89
54151ECOM	Lumen	132-52.8553	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 35Mbs	MRC	$ 402.49
54151ECOM	Lumen	132-52.8554	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 40Mbs	MRC	$ 421.89
54151ECOM	Lumen	132-52.8555	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 45Mbs	MRC	$ 446.06
54151ECOM	Lumen	132-52.8556	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 50Mbs	MRC	$ 465.70

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8557	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 55Mbs	MRC	$ 484.21
54151ECOM	Lumen	132-52.8558	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 60Mbs	MRC	$ 501.76
54151ECOM	Lumen	132-52.8559	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 65Mbs	MRC	$ 518.45
54151ECOM	Lumen	132-52.8560	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 70Mbs	MRC	$ 534.41
54151ECOM	Lumen	132-52.8561	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 75Mbs	MRC	$ 549.70
54151ECOM	Lumen	132-52.8562	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 80Mbs	MRC	$ 564.41
54151ECOM	Lumen	132-52.8563	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 85Mbs	MRC	$ 578.58
54151ECOM	Lumen	132-52.8564	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 90Mbs	MRC	$ 587.82
54151ECOM	Lumen	132-52.8565	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 95Mbs	MRC	$ 600.96
54151ECOM	Lumen	132-52.8566	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 100Mbs	MRC	$ 613.70
54151ECOM	Lumen	132-52.8567	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 150Mbs	MRC	$ 729.88
54151ECOM	Lumen	132-52.8568	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 200Mbs	MRC	$ 821.01
54151ECOM	Lumen	132-52.8569	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 250Mbs	MRC	$ 899.47
54151ECOM	Lumen	132-52.8570	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 300Mbs	MRC	$ 969.10
54151ECOM	Lumen	132-52.8571	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 350Mbs	MRC	$ 1,032.17
54151ECOM	Lumen	132-52.8572	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 400Mbs	MRC	$ 1,090.11
54151ECOM	Lumen	132-52.8573	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 450Mbs	MRC	$ 1,143.91
54151ECOM	Lumen	132-52.8574	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 500Mbs	MRC	$ 1,182.34
54151ECOM	Lumen	132-52.8575	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 550Mbs	MRC	$ 1,223.13
54151ECOM	Lumen	132-52.8576	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 600Mbs	MRC	$ 1,261.01
54151ECOM	Lumen	132-52.8577	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 650Mbs	MRC	$ 1,296.33
54151ECOM	Lumen	132-52.8578	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 700Mbs	MRC	$ 1,329.37
54151ECOM	Lumen	132-52.8579	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 750Mbs	MRC	$ 1,354.73
54151ECOM	Lumen	132-52.8580	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 800Mbs	MRC	$ 1,376.49
54151ECOM	Lumen	132-52.8581	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 850Mbs	MRC	$ 1,388.79
54151ECOM	Lumen	132-52.8582	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 900Mbs	MRC	$ 1,394.30
54151ECOM	Lumen	132-52.8583	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 950Mbs	MRC	$ 1,395.97
54151ECOM	Lumen	132-52.8584	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 1000Mbs	MRC	$ 1,411.30
54151ECOM	Lumen	132-52.8585	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 2000Mbs	MRC	$ 1,421.19
54151ECOM	Lumen	132-52.8586	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 3000Mbs	MRC	$ 1,441.45
54151ECOM	Lumen	132-52.8587	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 2Mbs	MRC	$ 124.84
54151ECOM	Lumen	132-52.8588	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 4Mbs	MRC	$ 165.76
54151ECOM	Lumen	132-52.8589	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 6Mbs	MRC	$ 195.66

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8590	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 8Mbs	MRC	$ 220.09
54151ECOM	Lumen	132-52.8591	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 10Mbs	MRC	$ 241.12
54151ECOM	Lumen	132-52.8592	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 15Mbs	MRC	$ 284.61
54151ECOM	Lumen	132-52.8593	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 20Mbs	MRC	$ 320.15
54151ECOM	Lumen	132-52.8594	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 25Mbs	MRC	$ 350.74
54151ECOM	Lumen	132-52.8595	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 30Mbs	MRC	$ 377.89
54151ECOM	Lumen	132-52.8596	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 35Mbs	MRC	$ 402.49
54151ECOM	Lumen	132-52.8597	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 40Mbs	MRC	$ 425.08
54151ECOM	Lumen	132-52.8598	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 45Mbs	MRC	$ 446.06
54151ECOM	Lumen	132-52.8599	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 50Mbs	MRC	$ 465.70
54151ECOM	Lumen	132-52.8600	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 55Mbs	MRC	$ 484.21
54151ECOM	Lumen	132-52.8601	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 60Mbs	MRC	$ 501.76
54151ECOM	Lumen	132-52.8602	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 65Mbs	MRC	$ 518.45
54151ECOM	Lumen	132-52.8603	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 70Mbs	MRC	$ 534.41
54151ECOM	Lumen	132-52.8604	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 75Mbs	MRC	$ 549.70
54151ECOM	Lumen	132-52.8605	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 80Mbs	MRC	$ 564.41
54151ECOM	Lumen	132-52.8606	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 85Mbs	MRC	$ 578.58
54151ECOM	Lumen	132-52.8607	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 90Mbs	MRC	$ 592.26
54151ECOM	Lumen	132-52.8608	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 95Mbs	MRC	$ 605.50
54151ECOM	Lumen	132-52.8609	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 100Mbs	MRC	$ 618.34
54151ECOM	Lumen	132-52.8610	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 150Mbs	MRC	$ 729.88
54151ECOM	Lumen	132-52.8611	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 200Mbs	MRC	$ 821.01
54151ECOM	Lumen	132-52.8612	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 250Mbs	MRC	$ 899.47
54151ECOM	Lumen	132-52.8613	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 300Mbs	MRC	$ 969.10
54151ECOM	Lumen	132-52.8614	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 350Mbs	MRC	$ 1,032.17
54151ECOM	Lumen	132-52.8615	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 400Mbs	MRC	$ 1,090.11
54151ECOM	Lumen	132-52.8616	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 450Mbs	MRC	$ 1,143.91
54151ECOM	Lumen	132-52.8617	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 500Mbs	MRC	$ 1,182.34
54151ECOM	Lumen	132-52.8618	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 550Mbs	MRC	$ 1,223.13
54151ECOM	Lumen	132-52.8619	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 600Mbs	MRC	$ 1,261.01
54151ECOM	Lumen	132-52.8620	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 650Mbs	MRC	$ 1,296.33
54151ECOM	Lumen	132-52.8621	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 700Mbs	MRC	$ 1,329.37
54151ECOM	Lumen	132-52.8622	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 750Mbs	MRC	$ 1,354.73

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8623	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 800Mbs	MRC	$ 1,376.49
54151ECOM	Lumen	132-52.8624	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 850Mbs	MRC	$ 1,388.79
54151ECOM	Lumen	132-52.8625	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 900Mbs	MRC	$ 1,383.84
54151ECOM	Lumen	132-52.8626	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 950Mbs	MRC	$ 1,395.97
54151ECOM	Lumen	132-52.8627	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 1000Mbs	MRC	$ 1,411.30
54151ECOM	Lumen	132-52.8628	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 2000Mbs	MRC	$ 1,421.19
54151ECOM	Lumen	132-52.8629	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 3000Mbs	MRC	$ 1,441.45
54151ECOM	Lumen	132-52.8630	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 2Mbs	MRC	$ 133.16
54151ECOM	Lumen	132-52.8631	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 4Mbs	MRC	$ 176.81
54151ECOM	Lumen	132-52.8632	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 6Mbs	MRC	$ 208.70
54151ECOM	Lumen	132-52.8633	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 8Mbs	MRC	$ 234.76
54151ECOM	Lumen	132-52.8634	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 10Mbs	MRC	$ 257.19
54151ECOM	Lumen	132-52.8635	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 15Mbs	MRC	$ 303.58
54151ECOM	Lumen	132-52.8636	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 20Mbs	MRC	$ 341.49
54151ECOM	Lumen	132-52.8637	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 25Mbs	MRC	$ 374.12
54151ECOM	Lumen	132-52.8638	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 30Mbs	MRC	$ 403.09
54151ECOM	Lumen	132-52.8639	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 35Mbs	MRC	$ 429.32
54151ECOM	Lumen	132-52.8640	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 40Mbs	MRC	$ 450.02
54151ECOM	Lumen	132-52.8641	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 45Mbs	MRC	$ 475.80
54151ECOM	Lumen	132-52.8642	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 50Mbs	MRC	$ 496.75
54151ECOM	Lumen	132-52.8643	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 55Mbs	MRC	$ 516.49
54151ECOM	Lumen	132-52.8644	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 60Mbs	MRC	$ 535.21
54151ECOM	Lumen	132-52.8645	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 65Mbs	MRC	$ 553.02
54151ECOM	Lumen	132-52.8646	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 70Mbs	MRC	$ 570.04
54151ECOM	Lumen	132-52.8647	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 75Mbs	MRC	$ 586.35
54151ECOM	Lumen	132-52.8648	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 80Mbs	MRC	$ 602.03
54151ECOM	Lumen	132-52.8649	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 85Mbs	MRC	$ 617.15
54151ECOM	Lumen	132-52.8650	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 90Mbs	MRC	$ 627.01
‘54151ECOM	Lumen	132-52.8651	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 95Mbs	MRC	$ 641.03
54151ECOM	Lumen	132-52.8652	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 100Mbs	MRC	$ 654.62
54151ECOM	Lumen	132-52.8653	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 150Mbs	MRC	$ 778.53
54151ECOM	Lumen	132-52.8654	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 200Mbs	MRC	$ 875.75
54151ECOM	Lumen	132-52.8655	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 250Mbs	MRC	$ 959.43

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8656	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 300Mbs	MRC	$ 1,033.71
54151ECOM	Lumen	132-52.8657	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 350Mbs	MRC	$ 1,100.98
54151ECOM	Lumen	132-52.8658	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 400Mbs	MRC	$ 1,162.78
54151ECOM	Lumen	132-52.8659	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 450Mbs	MRC	$ 1,220.17
54151ECOM	Lumen	132-52.8660	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 500Mbs	MRC	$ 1,261.16
54151ECOM	Lumen	132-52.8661	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 550Mbs	MRC	$ 1,304.67
54151ECOM	Lumen	132-52.8662	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 600Mbs	MRC	$ 1,345.08
54151ECOM	Lumen	132-52.8663	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 650Mbs	MRC	$ 1,382.75
54151ECOM	Lumen	132-52.8664	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 700Mbs	MRC	$ 1,417.99
54151ECOM	Lumen	132-52.8665	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 750Mbs	MRC	$ 1,445.04
54151ECOM	Lumen	132-52.8666	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 800Mbs	MRC	$ 1,468.25
54151ECOM	Lumen	132-52.8667	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 850Mbs	MRC	$ 1,481.37
54151ECOM	Lumen	132-52.8668	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 900Mbs	MRC	$ 1,487.25
54151ECOM	Lumen	132-52.8669	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 950Mbs	MRC	$ 1,489.04
54151ECOM	Lumen	132-52.8670	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 1000Mbs	MRC	$ 1,505.38
54151ECOM	Lumen	132-52.8671	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 2000Mbs	MRC	$ 1,515.94
54151ECOM	Lumen	132-52.8672	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 3000Mbs	MRC	$ 1,537.54
54151ECOM	Lumen	132-52.8673	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 2Mbs	MRC	$ 146.48
54151ECOM	Lumen	132-52.8674	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 4Mbs	MRC	$ 194.49
54151ECOM	Lumen	132-52.8675	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 6Mbs	MRC	$ 229.57
54151ECOM	Lumen	132-52.8676	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 8Mbs	MRC	$ 258.23
54151ECOM	Lumen	132-52.8677	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 10Mbs	MRC	$ 282.91
54151ECOM	Lumen	132-52.8678	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 15Mbs	MRC	$ 333.94
54151ECOM	Lumen	132-52.8679	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 20Mbs	MRC	$ 375.64
54151ECOM	Lumen	132-52.8680	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 25Mbs	MRC	$ 411.54
54151ECOM	Lumen	132-52.8681	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 30Mbs	MRC	$ 443.40
54151ECOM	Lumen	132-52.8682	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 35Mbs	MRC	$ 472.25
54151ECOM	Lumen	132-52.8683	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 40Mbs	MRC	$ 495.02
54151ECOM	Lumen	132-52.8684	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 45Mbs	MRC	$ 523.38
54151ECOM	Lumen	132-52.8685	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 50Mbs	MRC	$ 546.42
54151ECOM	Lumen	132-52.8686	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 55Mbs	MRC	$ 568.14
54151ECOM	Lumen	132-52.8687	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 60Mbs	MRC	$ 588.73
54151ECOM	Lumen	132-52.8688	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 65Mbs	MRC	$ 608.32

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8689	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 70Mbs	MRC	$ 627.04
54151ECOM	Lumen	132-52.8690	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 75Mbs	MRC	$ 644.98
54151ECOM	Lumen	132-52.8691	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 80Mbs	MRC	$ 662.24
54151ECOM	Lumen	132-52.8692	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 85Mbs	MRC	$ 678.86
54151ECOM	Lumen	132-52.8693	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 90Mbs	MRC	$ 689.71
54151ECOM	Lumen	132-52.8694	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 95Mbs	MRC	$ 705.13
54151ECOM	Lumen	132-52.8695	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 100Mbs	MRC	$ 720.08
54151ECOM	Lumen	132-52.8696	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 150Mbs	MRC	$ 856.39
54151ECOM	Lumen	132-52.8697	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 200Mbs	MRC	$ 963.32
54151ECOM	Lumen	132-52.8698	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 250Mbs	MRC	$ 1,055.38
54151ECOM	Lumen	132-52.8699	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 300Mbs	MRC	$ 1,137.08
54151ECOM	Lumen	132-52.8700	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 350Mbs	MRC	$ 1,211.08
54151ECOM	Lumen	132-52.8701	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 400Mbs	MRC	$ 1,279.06
54151ECOM	Lumen	132-52.8702	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 450Mbs	MRC	$ 1,342.19
54151ECOM	Lumen	132-52.8703	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 500Mbs	MRC	$ 1,387.28
54151ECOM	Lumen	132-52.8704	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 550Mbs	MRC	$ 1,435.14
54151ECOM	Lumen	132-52.8705	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 600Mbs	MRC	$ 1,479.58
54151ECOM	Lumen	132-52.8706	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 650Mbs	MRC	$ 1,521.02
54151ECOM	Lumen	132-52.8707	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 700Mbs	MRC	$ 1,559.79
54151ECOM	Lumen	132-52.8708	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 750Mbs	MRC	$ 1,589.55
54151ECOM	Lumen	132-52.8709	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 800Mbs	MRC	$ 1,615.08
54151ECOM	Lumen	132-52.8710	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 850Mbs	MRC	$ 1,629.51
54151ECOM	Lumen	132-52.8711	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 900Mbs	MRC	$ 1,635.98
54151ECOM	Lumen	132-52.8712	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 950Mbs	MRC	$ 1,637.94
54151ECOM	Lumen	132-52.8713	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 1000Mbs	MRC	$ 1,655.92
54151ECOM	Lumen	132-52.8714	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 2000Mbs	MRC	$ 1,667.53
54151ECOM	Lumen	132-52.8715	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 3000Mbs	MRC	$ 1,691.30
54151ECOM	Lumen	132-52.8716	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 2Mbs	MRC	$ 166.45
54151ECOM	Lumen	132-52.8717	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 4Mbs	MRC	$ 221.01
54151ECOM	Lumen	132-52.8718	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 6Mbs	MRC	$ 260.87
54151ECOM	Lumen	132-52.8719	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 8Mbs	MRC	$ 293.45
54151ECOM	Lumen	132-52.8720	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 10Mbs	MRC	$ 321.49
54151ECOM	Lumen	132-52.8721	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 15Mbs	MRC	$ 379.48

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8722	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 20Mbs	MRC	$ 426.86
54151ECOM	Lumen	132-52.8723	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 25Mbs	MRC	$ 467.65
54151ECOM	Lumen	132-52.8724	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 30Mbs	MRC	$ 503.86
54151ECOM	Lumen	132-52.8725	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 35Mbs	MRC	$ 536.65
54151ECOM	Lumen	132-52.8726	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 40Mbs	MRC	$ 562.52
54151ECOM	Lumen	132-52.8727	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 45Mbs	MRC	$ 594.74
54151ECOM	Lumen	132-52.8728	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 50Mbs	MRC	$ 620.93
54151ECOM	Lumen	132-52.8729	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 55Mbs	MRC	$ 645.62
54151ECOM	Lumen	132-52.8730	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 60Mbs	MRC	$ 669.01
54151ECOM	Lumen	132-52.8731	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 65Mbs	MRC	$ 691.27
54151ECOM	Lumen	132-52.8732	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 70Mbs	MRC	$ 712.54
54151ECOM	Lumen	132-52.8733	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 75Mbs	MRC	$ 732.94
54151ECOM	Lumen	132-52.8734	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 80Mbs	MRC	$ 752.54
54151ECOM	Lumen	132-52.8735	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 85Mbs	MRC	$ 771.43
54151ECOM	Lumen	132-52.8736	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 90Mbs	MRC	$ 783.76
54151ECOM	Lumen	132-52.8737	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 95Mbs	MRC	$ 801.28
54151ECOM	Lumen	132-52.8738	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 100Mbs	MRC	$ 818.27
54151ECOM	Lumen	132-52.8739	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 150Mbs	MRC	$ 973.17
54151ECOM	Lumen	132-52.8740	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 200Mbs	MRC	$ 1,094.68
54151ECOM	Lumen	132-52.8741	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 250Mbs	MRC	$ 1,199.29
54151ECOM	Lumen	132-52.8742	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 300Mbs	MRC	$ 1,292.14
54151ECOM	Lumen	132-52.8743	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 350Mbs	MRC	$ 1,376.23
54151ECOM	Lumen	132-52.8744	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 400Mbs	MRC	$ 1,453.48
54151ECOM	Lumen	132-52.8745	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 450Mbs	MRC	$ 1,525.21
54151ECOM	Lumen	132-52.8746	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 500Mbs	MRC	$ 1,576.45
54151ECOM	Lumen	132-52.8747	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 550Mbs	MRC	$ 1,630.84
54151ECOM	Lumen	132-52.8748	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 600Mbs	MRC	$ 1,681.34
54151ECOM	Lumen	132-52.8749	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 650Mbs	MRC	$ 1,728.43
54151ECOM	Lumen	132-52.8750	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 700Mbs	MRC	$ 1,772.49
54151ECOM	Lumen	132-52.8751	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 750Mbs	MRC	$ 1,806.30
54151ECOM	Lumen	132-52.8752	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 800Mbs	MRC	$ 1,835.32
54151ECOM	Lumen	132-52.8753	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 850Mbs	MRC	$ 1,851.72
54151ECOM	Lumen	132-52.8754	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 900Mbs	MRC	$ 1,859.07

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8755	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 950Mbs	MRC	$ 1,861.30
54151ECOM	Lumen	132-52.8756	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 1000Mbs	MRC	$ 1,881.73
54151ECOM	Lumen	132-52.8757	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 2000Mbs	MRC	$ 1,894.92
54151ECOM	Lumen	132-52.8758	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 3000Mbs	MRC	$ 1,921.93
54151ECOM	Lumen	132-52.8759	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 2Mbs	MRC	$ 166.45
54151ECOM	Lumen	132-52.8760	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 4Mbs	MRC	$ 221.01
54151ECOM	Lumen	132-52.8761	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 6Mbs	MRC	$ 260.87
54151ECOM	Lumen	132-52.8762	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 8Mbs	MRC	$ 293.45
54151ECOM	Lumen	132-52.8763	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 10Mbs	MRC	$ 321.49
54151ECOM	Lumen	132-52.8764	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 15Mbs	MRC	$ 379.48
54151ECOM	Lumen	132-52.8765	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 20Mbs	MRC	$ 423.66
54151ECOM	Lumen	132-52.8766	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 25Mbs	MRC	$ 467.65
54151ECOM	Lumen	132-52.8767	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 30Mbs	MRC	$ 503.86
54151ECOM	Lumen	132-52.8768	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 35Mbs	MRC	$ 536.65
54151ECOM	Lumen	132-52.8769	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 40Mbs	MRC	$ 566.77
54151ECOM	Lumen	132-52.8770	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 45Mbs	MRC	$ 590.28
54151ECOM	Lumen	132-52.8771	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 50Mbs	MRC	$ 616.28
54151ECOM	Lumen	132-52.8772	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 55Mbs	MRC	$ 645.62
54151ECOM	Lumen	132-52.8773	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 60Mbs	MRC	$ 669.01
54151ECOM	Lumen	132-52.8774	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 65Mbs	MRC	$ 691.27
54151ECOM	Lumen	132-52.8775	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 70Mbs	MRC	$ 712.54
54151ECOM	Lumen	132-52.8776	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 75Mbs	MRC	$ 732.94
54151ECOM	Lumen	132-52.8777	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 80Mbs	MRC	$ 752.54
54151ECOM	Lumen	132-52.8778	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 85Mbs	MRC	$ 771.43
54151ECOM	Lumen	132-52.8779	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 90Mbs	MRC	$ 789.68
54151ECOM	Lumen	132-52.8780	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 95Mbs	MRC	$ 807.34
54151ECOM	Lumen	132-52.8781	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 100Mbs	MRC	$ 824.45
54151ECOM	Lumen	132-52.8782	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 150Mbs	MRC	$ 973.17
54151ECOM	Lumen	132-52.8783	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 200Mbs	MRC	$ 1,094.68
54151ECOM	Lumen	132-52.8784	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 250Mbs	MRC	$ 1,199.29
54151ECOM	Lumen	132-52.8785	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 300Mbs	MRC	$ 1,292.14
54151ECOM	Lumen	132-52.8786	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 350Mbs	MRC	$ 1,376.23
54151ECOM	Lumen	132-52.8787	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 400Mbs	MRC	$ 1,453.48

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8788	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 450Mbs	MRC	$ 1,525.21
54151ECOM	Lumen	132-52.8789	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 500Mbs	MRC	$ 1,576.45
54151ECOM	Lumen	132-52.8790	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 550Mbs	MRC	$ 1,630.84
54151ECOM	Lumen	132-52.8791	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 600Mbs	MRC	$ 1,681.34
54151ECOM	Lumen	132-52.8792	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 650Mbs	MRC	$ 1,728.43
54151ECOM	Lumen	132-52.8793	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 700Mbs	MRC	$ 1,772.49
54151ECOM	Lumen	132-52.8794	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 750Mbs	MRC	$ 1,806.30
54151ECOM	Lumen	132-52.8795	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 800Mbs	MRC	$ 1,835.32
54151ECOM	Lumen	132-52.8796	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 850Mbs	MRC	$ 1,851.72
54151ECOM	Lumen	132-52.8797	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 900Mbs	MRC	$ 1,859.07
54151ECOM	Lumen	132-52.8798	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 950Mbs	MRC	$ 1,861.30
54151ECOM	Lumen	132-52.8799	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 1000Mbs	MRC	$ 1,881.73
54151ECOM	Lumen	132-52.8800	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 2000Mbs	MRC	$ 1,894.92
54151ECOM	Lumen	132-52.8801	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 3000Mbs	MRC	$ 1,921.93
54151ECOM	Lumen	132-52.8802	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 2Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8803	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 4Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8804	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 6Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8805	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 8Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8806	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 10Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8807	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 15Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8808	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 20Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8809	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 25Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8810	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 30Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8811	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 35Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8812	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 40Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8813	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 45Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8814	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 50Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8815	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 55Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8816	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 60Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8817	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 65Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8818	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 70Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8819	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 75Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8820	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 80Mbs	NRC	$ 196.00

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8821	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 85Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8822	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 90Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8823	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 95Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8824	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 100Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8825	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 150Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8826	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 200Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8827	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 250Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8828	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 300Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8829	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 350Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8830	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 400Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8831	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 450Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8832	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 500Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8833	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 550Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8834	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 600Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8835	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 650Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8836	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 700Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8837	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 750Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8838	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 800Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8839	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 850Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8840	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 900Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8841	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 950Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8842	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 1000Mbs	NRC	$ 784.00
54151ECOM	Lumen	132-52.8843	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 2000Mbs	NRC	$ 784.00
54151ECOM	Lumen	132-52.8844	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Basic Class of Service; 3000Mbs	NRC	$ 784.00
54151ECOM	Lumen	132-52.8845	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 2Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8846	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 4Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8847	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 6Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8848	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 8Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8849	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 10Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8850	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 15Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8851	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 20Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8852	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 25Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8853	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 30Mbs	NRC	$ 196.00

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8854	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 35Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8855	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 40Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8856	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 45Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8857	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 50Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8858	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 55Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8859	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 60Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8860	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 65Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8861	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 70Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8862	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 75Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8863	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 80Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8864	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 85Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8865	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 90Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8866	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 95Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8867	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 100Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8868	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 150Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8869	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 200Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8870	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 250Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8871	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 300Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8872	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 350Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8873	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 400Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8874	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 450Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8875	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 500Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8876	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 550Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8877	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 600Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8878	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 650Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8879	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 700Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8880	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 750Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8881	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 800Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8882	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 850Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8883	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 900Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8884	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 950Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8885	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 1000Mbs	NRC	$ 784.00
54151ECOM	Lumen	132-52.8886	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 2000Mbs	NRC	$ 784.00

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8887	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Enhanced Class of Service; 3000Mbs	NRC	$ 784.00
54151ECOM	Lumen	132-52.8888	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 2Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8889	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 4Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8890	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 6Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8891	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 8Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8892	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 10Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8893	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 15Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8894	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 20Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8895	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 25Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8896	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 30Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8897	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 35Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8898	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 40Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8899	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 45Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8900	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 50Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8901	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 55Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8902	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 60Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8903	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 65Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8904	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 70Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8905	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 75Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8906	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 80Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8907	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 85Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8908	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 90Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8909	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 95Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8910	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 100Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8911	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 150Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8912	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 200Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8913	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 250Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8914	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 300Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8915	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 350Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8916	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 400Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8917	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 450Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8918	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 500Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8919	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 550Mbs	NRC	$ 294.00

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8920	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 600Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8921	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 650Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8922	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 700Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8923	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 750Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8924	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 800Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8925	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 850Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8926	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 900Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8927	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 950Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8928	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 1000Mbs	NRC	$ 784.00
54151ECOM	Lumen	132-52.8929	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 2000Mbs	NRC	$ 784.00
54151ECOM	Lumen	132-52.8930	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Virtual Private Line; Dedicated Class of Service; 3000Mbs	NRC	$ 784.00
54151ECOM	Lumen	132-52.8931	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 2Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8932	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 4Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8933	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 6Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8934	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 8Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8935	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 10Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8936	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 15Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8937	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 20Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8938	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 25Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8939	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 30Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8940	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 35Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8941	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 40Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8942	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 45Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8943	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 50Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8944	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 55Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8945	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 60Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8946	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 65Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8947	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 70Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8948	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 75Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8949	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 80Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8950	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 85Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8951	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 90Mbs	NRC	$ 196.00
54151ECOM	Lumen	132-52.8952	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 95Mbs	NRC	$ 196.00

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8953	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 100Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8954	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 150Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8955	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 200Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8956	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 250Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8957	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 300Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8958	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 350Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8959	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 400Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8960	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 450Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8961	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 500Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8962	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 550Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8963	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 600Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8964	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 650Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8965	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 700Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8966	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 750Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8967	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 800Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8968	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 850Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8969	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 900Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8970	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 950Mbs	NRC	$ 294.00
54151ECOM	Lumen	132-52.8971	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 1000Mbs	NRC	$ 784.00
54151ECOM	Lumen	132-52.8972	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 2000Mbs	NRC	$ 784.00
54151ECOM	Lumen	132-52.8973	NA-NA Metro; Ethernet Virtual Connection Base Pricing; Ethernet Private Line; Dedicated Class of Service; 3000Mbs	NRC	$ 784.00
54151ECOM	Lumen	132-52.8974	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 2Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8975	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 4Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8976	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 6Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8977	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 8Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8978	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 10Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8979	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 15Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8980	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 20Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8981	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 25Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8982	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 30Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8983	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 35Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8984	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 40Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8985	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 45Mbs	NRC	$ 246.85

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8986	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 50Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8987	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 55Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8988	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 60Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8989	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 65Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8990	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 70Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8991	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 75Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8992	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 80Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8993	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 85Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8994	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 90Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8995	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 95Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.8996	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 100Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.8997	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 150Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.8998	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 200Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.8999	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 250Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9000	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 300Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9001	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 350Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9002	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 400Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9003	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 450Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9004	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 500Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9005	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 550Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9006	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 600Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9007	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 650Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9008	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 700Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9009	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 750Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9010	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 800Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9011	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 850Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9012	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 900Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9013	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 950Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9014	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 1000Mbs	NRC	$ 987.41
54151ECOM	Lumen	132-52.9015	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 2000Mbs	NRC	$ 987.41
54151ECOM	Lumen	132-52.9016	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Basic Class of Service; 3000Mbs	NRC	$ 987.41
54151ECOM	Lumen	132-52.9017	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 2Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9018	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 4Mbs	NRC	$ 246.85

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9019	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 6Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9020	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 8Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9021	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 10Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9022	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 15Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9023	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 20Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9024	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 25Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9025	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 30Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9026	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 35Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9027	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 40Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9028	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 45Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9029	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 50Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9030	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 55Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9031	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 60Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9032	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 65Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9033	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 70Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9034	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 75Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9035	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 80Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9036	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 85Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9037	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 90Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9038	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 95Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9039	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 100Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9040	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 150Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9041	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 200Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9042	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 250Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9043	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 300Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9044	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 350Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9045	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 400Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9046	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 450Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9047	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 500Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9048	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 550Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9049	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 600Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9050	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 650Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9051	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 700Mbs	NRC	$ 370.28

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9052	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 750Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9053	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 800Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9054	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 850Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9055	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 900Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9056	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 950Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9057	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 1000Mbs	NRC	$ 987.41
54151ECOM	Lumen	132-52.9058	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 2000Mbs	NRC	$ 987.41
54151ECOM	Lumen	132-52.9059	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Enhanced Class of Service; 3000Mbs	NRC	$ 987.41
54151ECOM	Lumen	132-52.9060	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 2Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9061	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 4Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9062	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 6Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9063	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 8Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9064	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 10Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9065	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 15Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9066	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 20Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9067	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 25Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9068	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 30Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9069	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 35Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9070	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 40Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9071	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 45Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9072	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 50Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9073	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 55Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9074	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 60Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9075	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 65Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9076	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 70Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9077	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 75Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9078	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 80Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9079	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 85Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9080	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 90Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9081	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 95Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9082	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 100Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9083	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 150Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9084	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 200Mbs	NRC	$ 370.28

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9085	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 250Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9086	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 300Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9087	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 350Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9088	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 400Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9089	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 450Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9090	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 500Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9091	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 550Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9092	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 600Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9093	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 650Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9094	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 700Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9095	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 750Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9096	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 800Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9097	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 850Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9098	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 900Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9099	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 950Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9100	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 1000Mbs	NRC	$ 987.41
54151ECOM	Lumen	132-52.9101	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 2000Mbs	NRC	$ 987.41
54151ECOM	Lumen	132-52.9102	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing; Dedicated Class of Service; 3000Mbs	NRC	$ 987.41
54151ECOM	Lumen	132-52.9103	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 2Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9104	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 4Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9105	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 6Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9106	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 8Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9107	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 10Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9108	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 15Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9109	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 20Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9110	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 25Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9111	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 30Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9112	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 35Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9113	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 40Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9114	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 45Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9115	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 50Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9116	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 55Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9117	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 60Mbs	NRC	$ 246.85

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9118	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 65Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9119	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 70Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9120	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 75Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9121	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 80Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9122	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 85Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9123	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 90Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9124	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 95Mbs	NRC	$ 246.85
54151ECOM	Lumen	132-52.9125	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 100Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9126	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 150Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9127	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 200Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9128	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 250Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9129	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 300Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9130	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 350Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9131	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 400Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9132	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 450Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9133	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 500Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9134	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 550Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9135	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 600Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9136	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 650Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9137	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 700Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9138	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 750Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9139	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 800Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9140	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 850Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9141	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 900Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9142	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 950Mbs	NRC	$ 370.28
54151ECOM	Lumen	132-52.9143	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 1000Mbs	NRC	$ 987.41
54151ECOM	Lumen	132-52.9144	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 2000Mbs	NRC	$ 987.41
54151ECOM	Lumen	132-52.9261	NA-NA Inter-Market; Ethernet Virtual Connection Base Pricing—Ethernet Private Line; Dedicated Class of Service; 3000Mbs	NRC	$ 987.41

3.7.16 eLynk

MAS SIN	SubSIN	Manufacturer Name	Product Description	Type	GSA Price with IFF
54151ECOM	132-52.9405	Lumen	eLynk UNI - Multiplexed (Multiplexed 100mb)	MRC	$ 155.64
54151ECOM	132-52.9406	Lumen	eLynk UNI - Multiplexed (Multiplexed 1gb)	MRC	$ 155.64
54151ECOM	132-52.9407	Lumen	eLynk UNI - Multiplexed (Multiplexed 10gb)	MRC	$ 320.91
54151ECOM	132-52.9408	Lumen	eLynk Inter-Market EVC Basic COS (10mb)	MRC	$ 202.54
54151ECOM	132-52.9409	Lumen	eLynk Inter-Market EVC Basic COS (20mb)	MRC	$ 268.92
54151ECOM	132-52.9410	Lumen	eLynk Inter-Market EVC Basic COS (30mb)	MRC	$ 317.43
54151ECOM	132-52.9411	Lumen	eLynk Inter-Market EVC Basic COS (50mb)	MRC	$ 391.19
54151ECOM	132-52.9412	Lumen	eLynk Inter-Market EVC Basic COS (100mb)	MRC	$ 519.41

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MAS SIN	SubSIN	Manufacturer Name	Product Description	Type	GSA Price with IFF
54151ECOM	132-52.9413	Lumen	eLynk Inter-Market EVC Basic COS (200mb)	MRC	$ 689.65
54151ECOM	132-52.9414	Lumen	eLynk Inter-Market EVC Basic COS (300mb)	MRC	$ 814.05
54151ECOM	132-52.9415	Lumen	eLynk Inter-Market EVC Basic COS (400mb)	MRC	$ 915.69
54151ECOM	132-52.9416	Lumen	eLynk Inter-Market EVC Basic COS (500mb)	MRC	$ 1,003.20
54151ECOM	132-52.9417	Lumen	eLynk Inter-Market EVC Basic COS (1gb)	MRC	$ 1,332.01
54151ECOM	132-52.9418	Lumen	eLynk Inter-Market EVC Basic COS (2gb)	MRC	$ 1,768.60
54151ECOM	132-52.9419	Lumen	eLynk Inter-Market EVC Basic COS (3gb)	MRC	$ 2,087.61
54151ECOM	132-52.9420	Lumen	eLynk Inter-Market EVC Basic COS (4gb)	MRC	$ 2,348.28
54151ECOM	132-52.9421	Lumen	eLynk Inter-Market EVC Basic COS (5gb)	MRC	$ 2,572.68
54151ECOM	132-52.9422	Lumen	eLynk Inter-Market EVC Basic COS (6gb)	MRC	$ 2,771.86
54151ECOM	132-52.9423	Lumen	eLynk Inter-Market EVC Basic COS (7gb)	MRC	$ 2,952.25
54151ECOM	132-52.9424	Lumen	eLynk Inter-Market EVC Basic COS (8gb)	MRC	$ 3,117.96
54151ECOM	132-52.9425	Lumen	eLynk Inter-Market EVC Basic COS (9gb)	MRC	$ 3,271.84
54151ECOM	132-52.9426	Lumen	eLynk Inter-Market EVC Basic COS (10gb)	MRC	$ 3,771.97
54151ECOM	132-52.9427	Lumen	eLynk Inter-Market EVC Enhanced COS (10mb)	MRC	$ 222.79
54151ECOM	132-52.9428	Lumen	eLynk Inter-Market EVC Enhanced COS (20mb)	MRC	$ 295.82
54151ECOM	132-52.9429	Lumen	eLynk Inter-Market EVC Enhanced COS (30mb)	MRC	$ 349.17
54151ECOM	132-52.9430	Lumen	eLynk Inter-Market EVC Enhanced COS (50mb)	MRC	$ 430.31
54151ECOM	132-52.9431	Lumen	eLynk Inter-Market EVC Enhanced COS (100mb)	MRC	$ 571.35
54151ECOM	132-52.9432	Lumen	eLynk Inter-Market EVC Enhanced COS (200mb)	MRC	$ 758.61
54151ECOM	132-52.9433	Lumen	eLynk Inter-Market EVC Enhanced COS (300mb)	MRC	$ 895.45
54151ECOM	132-52.9434	Lumen	eLynk Inter-Market EVC Enhanced COS (400mb)	MRC	$ 1,007.26
54151ECOM	132-52.9435	Lumen	eLynk Inter-Market EVC Enhanced COS (500mb)	MRC	$ 1,103.52
54151ECOM	132-52.9436	Lumen	eLynk Inter-Market EVC Enhanced COS (1gb)	MRC	$ 1,465.21
54151ECOM	132-52.9437	Lumen	eLynk Inter-Market EVC Enhanced COS (2gb)	MRC	$ 1,945.46
54151ECOM	132-52.9438	Lumen	eLynk Inter-Market EVC Enhanced COS (3gb)	MRC	$ 2,296.37
54151ECOM	132-52.9439	Lumen	eLynk Inter-Market EVC Enhanced COS (4gb)	MRC	$ 2,583.11
54151ECOM	132-52.9440	Lumen	eLynk Inter-Market EVC Enhanced COS (5gb)	MRC	$ 2,829.95
54151ECOM	132-52.9441	Lumen	eLynk Inter-Market EVC Enhanced COS (6gb)	MRC	$ 3,049.05
54151ECOM	132-52.9442	Lumen	eLynk Inter-Market EVC Enhanced COS (7gb)	MRC	$ 3,247.47
54151ECOM	132-52.9443	Lumen	eLynk Inter-Market EVC Enhanced COS (8gb)	MRC	$ 3,429.76
54151ECOM	132-52.9444	Lumen	eLynk Inter-Market EVC Enhanced COS (9gb)	MRC	$ 3,599.03
54151ECOM	132-52.9445	Lumen	eLynk Inter-Market EVC Enhanced COS (10gb)	MRC	$ 4,149.17
54151ECOM	132-52.9446	Lumen	eLynk Inter-Market EVC Dedicated COS (10mb)	MRC	$ 253.17
54151ECOM	132-52.9447	Lumen	eLynk Inter-Market EVC Dedicated COS (20mb)	MRC	$ 336.15
54151ECOM	132-52.9448	Lumen	eLynk Inter-Market EVC Dedicated COS (30mb)	MRC	$ 396.79
54151ECOM	132-52.9449	Lumen	eLynk Inter-Market EVC Dedicated COS (50mb)	MRC	$ 488.99
54151ECOM	132-52.9450	Lumen	eLynk Inter-Market EVC Dedicated COS (100mb)	MRC	$ 649.26
54151ECOM	132-52.9451	Lumen	eLynk Inter-Market EVC Dedicated COS (200mb)	MRC	$ 862.06
54151ECOM	132-52.9452	Lumen	eLynk Inter-Market EVC Dedicated COS (300mb)	MRC	$ 1,017.56
54151ECOM	132-52.9453	Lumen	eLynk Inter-Market EVC Dedicated COS (400mb)	MRC	$ 1,144.62
54151ECOM	132-52.9454	Lumen	eLynk Inter-Market EVC Dedicated COS (500mb)	MRC	$ 1,254.00
54151ECOM	132-52.9455	Lumen	eLynk Inter-Market EVC Dedicated COS (1gb)	MRC	$ 1,665.01
54151ECOM	132-52.9456	Lumen	eLynk Inter-Market EVC Dedicated COS (2gb)	MRC	$ 2,210.74
54151ECOM	132-52.9457	Lumen	eLynk Inter-Market EVC Dedicated COS (3gb)	MRC	$ 2,609.52
54151ECOM	132-52.9458	Lumen	eLynk Inter-Market EVC Dedicated COS (4gb)	MRC	$ 2,935.35
54151ECOM	132-52.9459	Lumen	eLynk Inter-Market EVC Dedicated COS (5gb)	MRC	$ 3,215.85
54151ECOM	132-52.9460	Lumen	eLynk Inter-Market EVC Dedicated COS (6gb)	MRC	$ 3,464.82
54151ECOM	132-52.9461	Lumen	eLynk Inter-Market EVC Dedicated COS (7gb)	MRC	$ 3,690.31
54151ECOM	132-52.9462	Lumen	eLynk Inter-Market EVC Dedicated COS (8gb)	MRC	$ 3,897.46
54151ECOM	132-52.9463	Lumen	eLynk Inter-Market EVC Dedicated COS (9gb)	MRC	$ 4,089.80
54151ECOM	132-52.9464	Lumen	eLynk Inter-Market EVC Dedicated COS (10gb)	MRC	$ 4,714.97
54151ECOM	132-52.9465	Lumen	eLynk Metro EVC Basic COS (10mb)	MRC	$ 151.90
54151ECOM	132-52.9466	Lumen	eLynk Metro EVC Basic COS (20mb)	MRC	$ 201.69
54151ECOM	132-52.9467	Lumen	eLynk Metro EVC Basic COS (30mb)	MRC	$ 238.07
54151ECOM	132-52.9468	Lumen	eLynk Metro EVC Basic COS (50mb)	MRC	$ 293.39
54151ECOM	132-52.9469	Lumen	eLynk Metro EVC Basic COS (100mb)	MRC	$ 389.55
54151ECOM	132-52.9470	Lumen	eLynk Metro EVC Basic COS (200mb)	MRC	$ 517.24
54151ECOM	132-52.9471	Lumen	eLynk Metro EVC Basic COS (300mb)	MRC	$ 610.54
54151ECOM	132-52.9472	Lumen	eLynk Metro EVC Basic COS (400mb)	MRC	$ 686.77
54151ECOM	132-52.9473	Lumen	eLynk Metro EVC Basic COS (500mb)	MRC	$ 752.40
54151ECOM	132-52.9474	Lumen	eLynk Metro EVC Basic COS (1gb)	MRC	$ 999.01
54151ECOM	132-52.9475	Lumen	eLynk Metro EVC Basic COS (2gb)	MRC	$ 1,326.45
54151ECOM	132-52.9476	Lumen	eLynk Metro EVC Basic COS (3gb)	MRC	$ 1,565.71
54151ECOM	132-52.9477	Lumen	eLynk Metro EVC Basic COS (4gb)	MRC	$ 1,761.21
54151ECOM	132-52.9478	Lumen	eLynk Metro EVC Basic COS (5gb)	MRC	$ 1,929.51
54151ECOM	132-52.9479	Lumen	eLynk Metro EVC Basic COS (6gb)	MRC	$ 2,078.89
54151ECOM	132-52.9480	Lumen	eLynk Metro EVC Basic COS (7gb)	MRC	$ 2,214.18
54151ECOM	132-52.9481	Lumen	eLynk Metro EVC Basic COS (8gb)	MRC	$ 2,338.47

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MAS SIN	SubSIN	Manufacturer Name	Product Description	Type	GSA Price with IFF
54151ECOM	132-52.9482	Lumen	eLynk Metro EVC Basic COS (9gb)	MRC	$ 2,453.88
54151ECOM	132-52.9483	Lumen	eLynk Metro EVC Basic COS (10gb)	MRC	$ 2,828.98
54151ECOM	132-52.9484	Lumen	eLynk Metro EVC Enhanced COS (10mb)	MRC	$ 167.09
54151ECOM	132-52.9485	Lumen	eLynk Metro EVC Enhanced COS (20mb)	MRC	$ 221.86
54151ECOM	132-52.9486	Lumen	eLynk Metro EVC Enhanced COS (30mb)	MRC	$ 261.88
54151ECOM	132-52.9487	Lumen	eLynk Metro EVC Enhanced COS (50mb)	MRC	$ 322.73
54151ECOM	132-52.9488	Lumen	eLynk Metro EVC Enhanced COS (100mb)	MRC	$ 428.51
54151ECOM	132-52.9489	Lumen	eLynk Metro EVC Enhanced COS (200mb)	MRC	$ 568.96
54151ECOM	132-52.9490	Lumen	eLynk Metro EVC Enhanced COS (300mb)	MRC	$ 671.59
54151ECOM	132-52.9491	Lumen	eLynk Metro EVC Enhanced COS (400mb)	MRC	$ 755.45
54151ECOM	132-52.9492	Lumen	eLynk Metro EVC Enhanced COS (500mb)	MRC	$ 827.64
54151ECOM	132-52.9493	Lumen	eLynk Metro EVC Enhanced COS (1gb)	MRC	$ 1,098.91
54151ECOM	132-52.9494	Lumen	eLynk Metro EVC Enhanced COS (2gb)	MRC	$ 1,459.09
54151ECOM	132-52.9495	Lumen	eLynk Metro EVC Enhanced COS (3gb)	MRC	$ 1,722.28
54151ECOM	132-52.9496	Lumen	eLynk Metro EVC Enhanced COS (4gb)	MRC	$ 1,937.33
54151ECOM	132-52.9497	Lumen	eLynk Metro EVC Enhanced COS (5gb)	MRC	$ 2,122.46
54151ECOM	132-52.9498	Lumen	eLynk Metro EVC Enhanced COS (6gb)	MRC	$ 2,286.78
54151ECOM	132-52.9499	Lumen	eLynk Metro EVC Enhanced COS (7gb)	MRC	$ 2,435.60
54151ECOM	132-52.9500	Lumen	eLynk Metro EVC Enhanced COS (8gb)	MRC	$ 2,572.32
54151ECOM	132-52.9501	Lumen	eLynk Metro EVC Enhanced COS (9gb)	MRC	$ 2,699.27
54151ECOM	132-52.9502	Lumen	eLynk Metro EVC Enhanced COS (10gb)	MRC	$ 3,111.88
54151ECOM	132-52.9503	Lumen	eLynk Metro EVC Dedicated COS (10mb)	MRC	$ 189.88
54151ECOM	132-52.9504	Lumen	eLynk Metro EVC Dedicated COS (20mb)	MRC	$ 252.12
54151ECOM	132-52.9505	Lumen	eLynk Metro EVC Dedicated COS (30mb)	MRC	$ 297.59
54151ECOM	132-52.9506	Lumen	eLynk Metro EVC Dedicated COS (50mb)	MRC	$ 366.74
54151ECOM	132-52.9507	Lumen	eLynk Metro EVC Dedicated COS (100mb)	MRC	$ 486.94
54151ECOM	132-52.9508	Lumen	eLynk Metro EVC Dedicated COS (200mb)	MRC	$ 646.55
54151ECOM	132-52.9509	Lumen	eLynk Metro EVC Dedicated COS (300mb)	MRC	$ 763.17
54151ECOM	132-52.9510	Lumen	eLynk Metro EVC Dedicated COS (400mb)	MRC	$ 858.46
54151ECOM	132-52.9511	Lumen	eLynk Metro EVC Dedicated COS (500mb)	MRC	$ 940.50
54151ECOM	132-52.9512	Lumen	eLynk Metro EVC Dedicated COS (1gb)	MRC	$ 1,248.76
54151ECOM	132-52.9513	Lumen	eLynk Metro EVC Dedicated COS (2gb)	MRC	$ 1,658.06
54151ECOM	132-52.9514	Lumen	eLynk Metro EVC Dedicated COS (3gb)	MRC	$ 1,957.14
54151ECOM	132-52.9515	Lumen	eLynk Metro EVC Dedicated COS (4gb)	MRC	$ 2,201.51
54151ECOM	132-52.9516	Lumen	eLynk Metro EVC Dedicated COS (5gb)	MRC	$ 2,411.89
54151ECOM	132-52.9517	Lumen	eLynk Metro EVC Dedicated COS (6gb)	MRC	$ 2,598.62
54151ECOM	132-52.9518	Lumen	eLynk Metro EVC Dedicated COS (7gb)	MRC	$ 2,767.73
54151ECOM	132-52.9519	Lumen	eLynk Metro EVC Dedicated COS (8gb)	MRC	$ 2,923.09
54151ECOM	132-52.9520	Lumen	eLynk Metro EVC Dedicated COS (9gb)	MRC	$ 3,067.35
54151ECOM	132-52.9521	Lumen	eLynk Metro EVC Dedicated COS (10gb)	MRC	$ 3,536.22

3.7.17 Voice T-1

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9384	Voice T-1 Tier One Pricing	MRC	$ 278.59
54151ECOM	Lumen	132-52.9385	Voice T-1 Tier Two Pricing	MRC	$ 349.12
54151ECOM	Lumen	132-52.9386	Voice T-1 Measured Service Pricing	MRC	$ 243.32
54151ECOM	Lumen	132-52.9387	DID Number Assignment and Maintenance	NRC	$ 0.01
54151ECOM	Lumen	132-52.9388	DID Number Block Assignment and Maintenance (First Block of 100)	MRC	$ 0.08
54151ECOM	Lumen	132-52.9389	DID Number Block Assignment and Maintenance (Per Block of 100)	MRC	$ 6.05
54151ECOM	Lumen	132-52.9390	Premium Feature Package	MRC	$ 3.73
54151ECOM	Lumen	132-52.9391	Remote Call Forwarding	MRC	$ 5.97
54151ECOM	Lumen	132-52.9392	IP Voicemail	NRC	$ 4.97
54151ECOM	Lumen	132-52.9393	IP Voicemail	MRC	$ 3.46
54151ECOM	Lumen	132-52.9394	Auto Reroute	MRC	$ 4.97

3.7.18 Managed Router

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.8456	Cisco 4321, Ethernet WAN with Security License for IPSec. 6 total 10/100/1000 Ethernet interfaces. License for 100M. (C4321-ET-02)	MRC	$ 144.30
54151ECOM	Lumen	132-52.8457	Cisco 4431, Optical Ethernet WAN. 4x 10/100/1000 Copper Ethernet interfaces. License for 1Gig. (C4431-ET-02)	MRC	$ 288.24
54151ECOM	Lumen	132-52.11170	8x Ethernet ports are shared Copper/SFP, Supports Optical via 2x 1000Base-LX SFP+ ports. 4x SFP slots available. BFD/Netflow are mutually exclusive. NOT SUPPORTED: IPSec.	MRC	$ 160.56

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
			NAT. DIA BGP. VRP BGP Larger than 24k routes. Full bidirectional GigE capacity. Dual Power Supply. Supports both SMF and MMF CASR920-ET-07		
54151ECOM	Lumen	132-52.11171	8x Ethernet ports are shared Copper/SFP, Supports Optical via 2x 10GBase-LR SFP+ ports. 4x SFP slots available. BFD/Netflow are mutually exclusive. NOT SUPPORTED: IPSec. NAT. DIA BGP. VRP BGP Larger than 24k routes. Dual Power Supply. CASR920-ET-08	MRC	$ 172.17
54151ECOM	Lumen	132-52.11173	Supports 2 WAN ports and 8 Gigabit LAN switch ports. Security license for IPsec support. Performance license enables 100M IPsec. Limit 32 VLANs for Layer-2/LAN, VLAN range 2350-2449 not available. Supports both SMF and MMF C1111-8P-ET-03	MRC	$ 132.19
54151ECOM	Lumen	132-52.11174	Supports Ethernet WAN circuit. 1x Copper Ethernet interface native to chassis, 1x Optical Ethernet interface via SFP module, 4x Copper Ethernet provided by NIM. Security license included for IPSec support. Performance license enables 100Mbps throughput. Supports both SMF and MMF C4321-ET-03	MRC	$ 151.54
54151ECOM	Lumen	132-52.11175	Supports Copper or Optical Ethernet WAN circuit. 4x Gigabit interfaces shared Copper/Optical. Security license included for IPSec support. Performance license enables 1Gbps throughput. Dual power supply. Interfaces are shared/combo ports between SFP or Copper. Supports both SMF and MMF C4431-ET-04	MRC	$ 347.57
54151ECOM	Lumen	132-52.11176	Designed to support Ethernet WAN circuits. The 4x 10/100/1000 ports are shared native copper / SFP. 2x Optical SFPs included. 2x SM-X slots, 3x NIM slots. Supports both SMF and MMF. APP license NOT INCLUDED, BFD and IPSLA tracking for HSRP NOT supported. C4451X-ET-02	MRC	$ 401.09132-52.

3.7.19 Private Line

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9396	Metro Private Line DS-3	MRC	$ 1,043.67
54151ECOM	Lumen	132-52.9397	Metro Private Line OC-3	MRC	$ 2,263.38
54151ECOM	Lumen	132-52.9398	Metro Private Line OC-12	MRC	$ 5,746.46
54151ECOM	Lumen	132-52.9399	Metro Private Line OC-48	MRC	$ 11,260.29
54151ECOM	Lumen	132-52.9401	Endlink DS-3	MRC	$ 521.83
54151ECOM	Lumen	132-52.9402	Endlink OC-3	MRC	$ 1,131.69
54151ECOM	Lumen	132-52.9403	Endlink OC-12	MRC	$ 2,873.23
54151ECOM	Lumen	132-52.9404	Endlink OC-48	MRC	$ 5,630.39

3.7.20 Wavelengths

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9269	Unprotected Metro Waves—OTU2—MRC	MRC	$ 1,936.93
54151ECOM	Lumen	132-52.9270	Unprotected Metro Waves—OTU2e—MRC	MRC	$ 1,938.29
54151ECOM	Lumen	132-52.9272	Unprotected Metro Waves—OTU4—MRC	MRC	$ 5,156.07
54151ECOM	Lumen	132-52.9558	Unprotected Metro Waves—OTU2—NRC	NRC	$ 2,267.00
54151ECOM	Lumen	132-52.9559	Unprotected Metro Waves—OTU2e—NRC	NRC	$ 2,267.00
54151ECOM	Lumen	132-52.9561	Unprotected Metro Waves—OTU4—NRC	NRC	$ 4,534.01
54151ECOM	Lumen	132-52.11888	10 GigE LAN, Protected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$ 3,101.26
54151ECOM	Lumen	132-52.11898	10 GigE LAN, Protected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$ 3,790.43
54151ECOM	Lumen	132-52.11728	1 GigE LAN, Unprotected Wavelength, up to 350 miles, 3 Year	MRC	$ 689.17
54151ECOM	Lumen	132-52.11730	2.5 Gbps, Unprotected Wavelength, up to 350 miles, 3 Year	MRC	$ 1,722.92
54151ECOM	Lumen	132-52.11732	10 Gbps, Unprotected Wavelength, up to 350 miles, 3 Year	MRC	$ 5,168.77
54151ECOM	Lumen	132-52.11734	10 GigE LAN, Unprotected Wavelength, up to 350 miles, 3 Year	MRC	$ 1,124.43
54151ECOM	Lumen	132-52.11736	100 Gbps, Unprotected Wavelength, up to 350 miles, 3 Year	MRC	$ 3,989.92
54151ECOM	Lumen	132-52.11738	400 Gbps, Unprotected Wavelength, up to 350 miles, 3 Year	MRC	$ 11,583.48
54151ECOM	Lumen	132-52.11740	1 GigE LAN, Unprotected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$ 1,088.16
54151ECOM	Lumen	132-52.11742	2.5 Gbps, Unprotected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$ 2,606.60
54151ECOM	Lumen	132-52.11744	10 Gbps, Unprotected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$ 7,819.35
54151ECOM	Lumen	132-52.11746	10 GigE LAN, Unprotected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$ 1,632.24

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.11748	100 Gbps, Unprotected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$ 6,646.85
54151ECOM	Lumen	132-52.11750	400 Gbps, Unprotected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$ 24,592.90
54151ECOM	Lumen	132-52.11752	1 GigE LAN, Unprotected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$ 1,305.79
54151ECOM	Lumen	132-52.11754	2.5 Gbps, Unprotected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$ 2,874.11
54151ECOM	Lumen	132-52.11756	10 Gbps, Unprotected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$ 8,622.77
54151ECOM	Lumen	132-52.11758	10 GigE LAN, Unprotected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$ 1,994.96
54151ECOM	Lumen	132-52.11760	100 Gbps, Unprotected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$ 7,330.13
54151ECOM	Lumen	132-52.11762	400 Gbps, Unprotected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$27,121.96
54151ECOM	Lumen	132-52.11764	1 GigE LAN, Unprotected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$1,632.24
54151ECOM	Lumen	132-52.11766	2.5 Gbps, Unprotected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$3,264.48
54151ECOM	Lumen	132-52.11768	10 Gbps, Unprotected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$9,793.45
54151ECOM	Lumen	132-52.11770	10 GigE LAN, Unprotected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$2,430.23
54151ECOM	Lumen	132-52.11772	100 Gbps, Unprotected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$8,708.92
54151ECOM	Lumen	132-52.11774	400 Gbps, Unprotected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$32,223.63
54151ECOM	Lumen	132-52.11776	1 GigE LAN, Unprotected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$1,994.96
54151ECOM	Lumen	132-52.11778	2.5 Gbps, Unprotected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$4,080.60
54151ECOM	Lumen	132-52.11780	10 Gbps, Unprotected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$12,241.81
54151ECOM	Lumen	132-52.11782	10 GigE LAN, Unprotected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$2,865.49
54151ECOM	Lumen	132-52.11784	100 Gbps, Unprotected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$10,177.48
54151ECOM	Lumen	132-52.11786	400 Gbps, Unprotected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$37,655.82
54151ECOM	Lumen	132-52.11788	1 GigE LAN, Unprotected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$2,393.95
54151ECOM	Lumen	132-52.11790	2.5 Gbps, Unprotected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$4,906.25
54151ECOM	Lumen	132-52.11792	10 Gbps, Unprotected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$14,718.29
54151ECOM	Lumen	132-52.11794	10 GigE LAN, Unprotected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$3,772.29
54151ECOM	Lumen	132-52.11796	100 Gbps, Unprotected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$12,511.59
54151ECOM	Lumen	132-52.11798	400 Gbps, Unprotected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$46,293.55
54151ECOM	Lumen	132-52.11800	1 GigE LAN, Unprotected Wavelength, Custom or Diversely Routed, up to 350 miles, 3 Year	MRC	$827.00
54151ECOM	Lumen	132-52.11802	2.5 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 350 miles, 3 Year	MRC	$2,067.51
54151ECOM	Lumen	132-52.11804	10 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 350 miles, 3 Year	MRC	$6,202.52
54151ECOM	Lumen	132-52.11806	10 GigE LAN, Unprotected Wavelength, Custom or Diversely Routed, up to 350 miles, 3 Year	MRC	$1,349.32
54151ECOM	Lumen	132-52.11808	100 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 350 miles, 3 Year	MRC	$4,787.91
54151ECOM	Lumen	132-52.11810	400 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 350 miles, 3 Year	MRC	$13,900.17
54151ECOM	Lumen	132-52.11812	1 GigE LAN, Unprotected Wavelength, Custom or Diversely Routed, up to 351 - 700 miles, 3 Year	MRC	$1,305.79
54151ECOM	Lumen	132-52.11814	2.5 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 351 - 700 miles, 3 Year	MRC	$3,127.92
54151ECOM	Lumen	132-52.11816	10 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 351 - 700 miles, 3 Year	MRC	$9,383.21
54151ECOM	Lumen	132-52.11818	10 GigE LAN, Unprotected Wavelength, Custom or Diversely Routed, up to 351 - 700 miles, 3 Year	MRC	$1,958.69
54151ECOM	Lumen	132-52.11820	100 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 351 - 700 miles, 3 Year	MRC	$7,976.22
54151ECOM	Lumen	132-52.11822	400 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 351 - 700 miles, 3 Year	MRC	$29,511.48
54151ECOM	Lumen	132-52.11824	1 GigE LAN, Unprotected Wavelength, Custom or Diversely Routed, up to 701 - 1000 miles, 3 Year	MRC	$1,566.95
54151ECOM	Lumen	132-52.11826	2.5 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 701 - 1000 miles, 3 Year	MRC	$3,448.93
54151ECOM	Lumen	132-52.11828	10 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 701 - 1000 miles, 3 Year	MRC	$10,347.32
54151ECOM	Lumen	132-52.11830	10 GigE LAN, Unprotected Wavelength, Custom or Diversely Routed, up to 701 - 1000 miles, 3 Year	MRC	$2,393.95
54151ECOM	Lumen	132-52.11832	100 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 701 - 1000 miles, 3 Year	MRC	$8,796.15
54151ECOM	Lumen	132-52.11834	400 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 701 - 1000 miles, 3 Year	MRC	$32,546.36
54151ECOM	Lumen	132-52.11836	1 GigE LAN, Unprotected Wavelength, Custom or Diversely Routed, up to 1001 - 1400 miles, 3 Year	MRC	$1,958.69
54151ECOM	Lumen	132-52.11838	2.5 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 1001 - 1400 miles, 3 Year	MRC	$3,917.38

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.11840	10 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 1001 - 1400 miles, 3 Year	MRC	$11,752.14
54151ECOM	Lumen	132-52.11842	10 GigE LAN, Unprotected Wavelength, Custom or Diversely Routed, up to 1001 - 1400 miles, 3 Year	MRC	$2,916.27
54151ECOM	Lumen	132-52.11844	100 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 1001 - 1400 miles, 3 Year	MRC	$10,450.70
54151ECOM	Lumen	132-52.11846	400 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 1001 - 1400 miles, 3 Year	MRC	$38,668.35
54151ECOM	Lumen	132-52.11848	1 GigE LAN, Unprotected Wavelength, Custom or Diversely Routed, up to 1401 - 2000 miles, 3 Year	MRC	$2,393.95
54151ECOM	Lumen	132-52.11850	2.5 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 1401 - 2000 miles, 3 Year	MRC	$4,896.73
54151ECOM	Lumen	132-52.11852	10 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 1401 - 2000 miles, 3 Year	MRC	$14,690.18
54151ECOM	Lumen	132-52.11854	10 GigE LAN, Unprotected Wavelength, Custom or Diversely Routed, up to 1401 - 2000 miles, 3 Year	MRC	$3,438.59
54151ECOM	Lumen	132-52.11856	100 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 1401 - 2000 miles, 3 Year	MRC	$12,212.98
54151ECOM	Lumen	132-52.11858	400 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 1401 - 2000 miles, 3 Year	MRC	$45,186.98
54151ECOM	Lumen	132-52.11860	1 GigE LAN, Unprotected Wavelength, Custom or Diversely Routed, up to 2001 - 3000 miles, 3 Year	MRC	$2,872.75
54151ECOM	Lumen	132-52.11862	2.5 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 2001 - 3000 miles, 3 Year	MRC	$5,887.50
54151ECOM	Lumen	132-52.11864	10 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 2001 - 3000 miles, 3 Year	MRC	$17,661.94
54151ECOM	Lumen	132-52.11866	10 GigE LAN, Unprotected Wavelength, Custom or Diversely Routed, up to 2001 - 3000 miles, 3 Year	MRC	$4,526.75
54151ECOM	Lumen	132-52.11868	100 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 2001 - 3000 miles, 3 Year	MRC	$15,013.90
54151ECOM	Lumen	132-52.11870	400 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 2001 - 3000 miles, 3 Year	MRC	$55,552.26
54151ECOM	Lumen	132-52.11872	1 GigE LAN, Protected Wavelength, up to 350 miles, 3 Year	MRC	$1,309.42
54151ECOM	Lumen	132-52.11874	2.5 Gbps, Protected Wavelength, up to 350 miles, 3 Year	MRC	$3,273.55
54151ECOM	Lumen	132-52.11876	10 Gbps, Protected Wavelength, up to 350 miles, 3 Year	MRC	$9,820.65
54151ECOM	Lumen	132-52.11878	10 GigE LAN, Protected Wavelength, up to 350 miles, 3 Year	MRC	$2,136.42
54151ECOM	Lumen	132-52.11880	100 Gbps, Protected Wavelength, up to 350 miles, 3 Year	MRC	$7,580.86
54151ECOM	Lumen	132-52.11882	1 GigE LAN, Protected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$2,067.51
54151ECOM	Lumen	132-52.11884	2.5 Gbps, Protected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$4,952.54
54151ECOM	Lumen	132-52.11886	10 Gbps, Protected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$14,856.76
54151ECOM	Lumen	132-52.11890	100 Gbps, Protected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$12,629.02
54151ECOM	Lumen	132-52.11892	1 GigE LAN, Protected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$2,481.01
54151ECOM	Lumen	132-52.11894	2.5 Gbps, Protected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$5,460.80
54151ECOM	Lumen	132-52.11896	10 Gbps, Protected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$16,383.26
54151ECOM	Lumen	132-52.11900	100 Gbps, Protected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$13,927.24
54151ECOM	Lumen	132-52.11902	1 GigE LAN, Protected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$3,101.26
54151ECOM	Lumen	132-52.11904	2.5 Gbps, Protected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$3,264.48
54151ECOM	Lumen	132-52.11906	10 Gbps, Protected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$18,607.56
54151ECOM	Lumen	132-52.11908	10 GigE LAN, Protected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$4,617.43
54151ECOM	Lumen	132-52.11910	100 Gbps, Protected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$16,546.94
54151ECOM	Lumen	132-52.11912	1 GigE LAN, Protected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$3,790.43
54151ECOM	Lumen	132-52.11914	2.5 Gbps, Protected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$7,753.15
54151ECOM	Lumen	132-52.11916	10 Gbps, Protected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$23,259.45
54151ECOM	Lumen	132-52.11918	10 GigE LAN, Protected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$5,444.43
54151ECOM	Lumen	132-52.11920	100 Gbps, Protected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$19,337.21
54151ECOM	Lumen	132-52.11922	1 GigE LAN, Protected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$4,548.51
54151ECOM	Lumen	132-52.11924	2.5 Gbps, Protected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$9,321.87
54151ECOM	Lumen	132-52.11926	10 Gbps, Protected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$27,964.75
54151ECOM	Lumen	132-52.11928	10 GigE LAN, Protected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$7,167.36
54151ECOM	Lumen	132-52.11930	100 Gbps, Protected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$23,772.02
54151ECOM	Lumen	132-52.11932	10 Gbps, Encrypted Unprotected Wavelength, up to 350 miles, 3 Year	MRC	$6,719.40
54151ECOM	Lumen	132-52.11934	10 GigE LAN, Encrypted Unprotected Wavelength, up to 350 miles, 3 Year	MRC	$1,461.76
54151ECOM	Lumen	132-52.11936	100 Gbps, Encrypted Unprotected Wavelength, up to 350 miles, 3 Year	MRC	$5,186.90
54151ECOM	Lumen	132-52.11938	10 Gbps, Encrypted Unprotected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$10,165.15

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.11940	10 GigE LAN, Encrypted Unprotected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$2,121.91
54151ECOM	Lumen	132-52.11942	100 Gbps, Encrypted Unprotected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$8,640.91
54151ECOM	Lumen	132-52.11944	10 Gbps, Encrypted Unprotected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$11,209.60
54151ECOM	Lumen	132-52.11946	10 GigE LAN, Encrypted Unprotected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$2,593.45
54151ECOM	Lumen	132-52.11948	100 Gbps, Encrypted Unprotected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$9,529.16
54151ECOM	Lumen	132-52.11950	10 Gbps, Encrypted Unprotected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$12,731.49
54151ECOM	Lumen	132-52.11952	10 GigE LAN, Encrypted Unprotected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$3,159.29
54151ECOM	Lumen	132-52.11954	100 Gbps, Encrypted Unprotected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$11,321.59
54151ECOM	Lumen	132-52.11956	10 Gbps, Encrypted Unprotected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$15,914.36
54151ECOM	Lumen	132-52.11958	10 GigE LAN, Encrypted Unprotected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$3,725.14
54151ECOM	Lumen	132-52.11960	100 Gbps, Encrypted Unprotected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$13,230.73
54151ECOM	Lumen	132-52.11962	10 Gbps, Encrypted Unprotected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$19,133.77
54151ECOM	Lumen	132-52.11964	10 GigE LAN, Encrypted Unprotected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$4,903.98
54151ECOM	Lumen	132-52.11966	100 Gbps, Encrypted Unprotected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$16,265.06
54151ECOM	Lumen	132-52.11968	10 Gbps, Encrypted Protected Wavelength, up to 350 miles, 3 Year	MRC	$12,766.85
54151ECOM	Lumen	132-52.11970	10 GigE LAN, Encrypted Protected Wavelength, up to 350 miles, 3 Year	MRC	$2,777.35
54151ECOM	Lumen	132-52.11972	100 Gbps, Encrypted Protected Wavelength, up to 350 miles, 3 Year	MRC	$9,855.11
54151ECOM	Lumen	132-52.11974	10 Gbps, Encrypted Protected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$19,313.78
54151ECOM	Lumen	132-52.11976	10 GigE LAN, Encrypted Protected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$4,031.64
54151ECOM	Lumen	132-52.11978	100 Gbps, Encrypted Protected Wavelength, up to 351 - 700 miles, 3 Year	MRC	$16,417.72
54151ECOM	Lumen	132-52.11980	10 Gbps, Encrypted Protected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$21,298.24
54151ECOM	Lumen	132-52.11982	10 GigE LAN, Encrypted Protected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$4,927.56
54151ECOM	Lumen	132-52.11984	100 Gbps, Encrypted Protected Wavelength, up to 701 - 1000 miles, 3 Year	MRC	$18,105.41
54151ECOM	Lumen	132-52.11986	10 Gbps, Encrypted Protected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$24,189.82
54151ECOM	Lumen	132-52.11988	10 GigE LAN, Encrypted Protected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$6,002.66
54151ECOM	Lumen	132-52.11990	100 Gbps, Encrypted Protected Wavelength, up to 1001 - 1400 miles, 3 Year	MRC	$21,511.02
54151ECOM	Lumen	132-52.11992	10 Gbps, Encrypted Protected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$30,237.28
54151ECOM	Lumen	132-52.11994	10 GigE LAN, Encrypted Protected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$7,077.76
54151ECOM	Lumen	132-52.11996	100 Gbps, Encrypted Protected Wavelength, up to 1401 - 2000 miles, 3 Year	MRC	$25,138.38
54151ECOM	Lumen	132-52.11998	10 Gbps, Encrypted Protected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$36,354.17
54151ECOM	Lumen	132-52.12000	10 GigE LAN, Encrypted Protected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$9,317.56
54151ECOM	Lumen	132-52.12002	100 Gbps, Encrypted Protected Wavelength, up to 2001 - 3000 miles, 3 Year	MRC	$30,903.62
54151ECOM	Lumen	132-52.12004	1 GigE LAN, Unprotected Metro Wavelength, 3 Year	MRC	$997.48
54151ECOM	Lumen	132-52.12006	2.5 Gbps, Unprotected Metro Wavelength, 3 Year	MRC	$1,257.73
54151ECOM	Lumen	132-52.12008	10 Gbps, Unprotected Metro Wavelength, 3 Year	MRC	$3,144.33
54151ECOM	Lumen	132-52.12010	10 GigE LAN, Unprotected Metro Wavelength, 3 Year	MRC	$1,550.63
54151ECOM	Lumen	132-52.12012	100 GigE LAN, Unprotected Metro Wavelength, 3 Year	MRC	$4,824.18
54151ECOM	Lumen	132-52.12014	400 GigE LAN, Unprotected Metro Wavelength, 3 Year	MRC	$16,884.63
54151ECOM	Lumen	132-52.12016	1 GigE LAN, Protected Metro Wavelength, 3 Year	MRC	$3,790.43

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.12018	2.5 Gbps, Protected Metro Wavelength, 3 Year	MRC	$2,389.69
54151ECOM	Lumen	132-52.12020	10 Gbps, Protected Metro Wavelength, 3 Year	MRC	$5,974.23
54151ECOM	Lumen	132-52.12022	10 GigE LAN, Protected Metro Wavelength, 3 Year	MRC	$2,946.20
54151ECOM	Lumen	132-52.12024	100 GigE LAN, Protected Metro Wavelength, 3 Year	MRC	$9,165.94
54151ECOM	Lumen	132-52.12026	10 GigE LAN, Encrypted Metro Wavelength, 3 Year	MRC	$2,015.82
54151ECOM	Lumen	132-52.12028	100 GigE LAN, Encrypted Metro Wavelength, 3 Year	MRC	$6,271.44
54151ECOM	Lumen	132-52.12030	10 GigE LAN, Encrypted Protected Metro Wavelength, 3 Year	MRC	$3,830.06
54151ECOM	Lumen	132-52.12032	100 Gbps, Encrypted Protected Metro Wavelength, 3 Year	MRC	$11,915.73
54151ECOM	Lumen	132-52.12034	1 GigE LAN, Unprotected Wavelength, Custom or Diversely Routed, 3 Year	MRC	$1,196.98
54151ECOM	Lumen	132-52.12036	2.5 Gbps, Unprotected Wavelength, Custom or Diversely Routed, 3 Year	MRC	$2,992.44
54151ECOM	Lumen	132-52.12038	10 Gbps, Unprotected Wavelength, Custom or Diversely Routed, up to 350 miles, 3 Year	MRC	$3,773.20
54151ECOM	Lumen	132-52.12040	10 GigE LAN, Unprotected Wavelength, Custom or Diversely Routed, 3 Year	MRC	$1,860.76
54151ECOM	Lumen	132-52.12042	100 Gbps, Unprotected Wavelength, Custom or Diversely Routed, 3 Year	MRC	$5,789.02
54151ECOM	Lumen	132-52.12044	400 Gbps, Unprotected Wavelength, Custom or Diversely Routed, 3 Year	MRC	$20,261.56

3.7.21 Telecommunications Service Priority (TSP)

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9522	Telecommunications Service Priority (TSP) Program Restoration Nonrecurring Charge	NRC	$ 249.37
54151ECOM	Lumen	132-52.9523	Telecommunications Service Priority (TSP) Program Restoration Monthly Recurring Charge	MRC	$ 4.99

3.7.22 IPVPN

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9524	Internet Protocol Virtual Private Network (IPVPN) Port Ethernet (10 Mb) (10 CDR Mbps)	MRC	$ 191.44
54151ECOM	Lumen	132-52.9525	Internet Protocol Virtual Private Network (IPVPN) Port Fast Ethernet (100 Mb) (10 CDR Mbps)	MRC	$ 191.44
54151ECOM	Lumen	132-52.9526	Internet Protocol Virtual Private Network (IPVPN) Port Fast Ethernet (100 Mb) (20 CDR Mbps)	MRC	$ 229.22
54151ECOM	Lumen	132-52.9527	Internet Protocol Virtual Private Network (IPVPN) Port Fast Ethernet (100 Mb) (30 CDR Mbps)	MRC	$ 277.08
54151ECOM	Lumen	132-52.9528	Internet Protocol Virtual Private Network (IPVPN) Port Fast Ethernet (100 Mb) (40 CDR Mbps)	MRC	$ 292.19
54151ECOM	Lumen	132-52.9529	Internet Protocol Virtual Private Network (IPVPN) Port Fast Ethernet (100 Mb) (50 CDR Mbps)	MRC	$ 307.30
54151ECOM	Lumen	132-52.9530	Internet Protocol Virtual Private Network (IPVPN) Port Fast Ethernet (100 Mb) (60 CDR Mbps)	MRC	$ 316.37
54151ECOM	Lumen	132-52.9531	Internet Protocol Virtual Private Network (IPVPN) Port Fast Ethernet (100 Mb) (70 CDR Mbps)	MRC	$ 341.31
54151ECOM	Lumen	132-52.9532	Internet Protocol Virtual Private Network (IPVPN) Port Fast Ethernet (100 Mb) (80 CDR Mbps)	MRC	$ 347.41
54151ECOM	Lumen	132-52.9533	Internet Protocol Virtual Private Network (IPVPN) Port Fast Ethernet (100 Mb) (90 CDR Mbps)	MRC	$ 357.78
54151ECOM	Lumen	132-52.9534	Internet Protocol Virtual Private Network (IPVPN) Port Fast Ethernet (100 Mb) (100 CDR Mbps)	MRC	$ 367.76
54151ECOM	Lumen	132-52.9535	Internet Protocol Virtual Private Network (IPVPN) Port Gig-Ethernet (1000 Mb) (100 CDR Mbps)	MRC	$ 367.76
54151ECOM	Lumen	132-52.9536	Internet Protocol Virtual Private Network (IPVPN) Port Gig-Ethernet (1000 Mb) (200 CDR Mbps)	MRC	$ 528.97
54151ECOM	Lumen	132-52.9537	Internet Protocol Virtual Private Network (IPVPN) Port Gig-Ethernet (1000 Mb) (300 CDR Mbps)	MRC	$ 617.13
54151ECOM	Lumen	132-52.9538	Internet Protocol Virtual Private Network (IPVPN) Port Gig-Ethernet (1000 Mb) (400 CDR Mbps)	MRC	$ 654.91
54151ECOM	Lumen	132-52.9539	Internet Protocol Virtual Private Network (IPVPN) Port Gig-Ethernet (1000 Mb) (500 CDR Mbps)	MRC	$ 743.07
54151ECOM	Lumen	132-52.9540	Internet Protocol Virtual Private Network (IPVPN) Port Gig-Ethernet (1000 Mb) (600 CDR Mbps)	MRC	$ 830.23
54151ECOM	Lumen	132-52.9541	Internet Protocol Virtual Private Network (IPVPN) Port Gig-Ethernet (1000 Mb) (700 CDR Mbps)	MRC	$ 882.62

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9542	Internet Protocol Virtual Private Network (IPVPN) Port Gig-Ethernet (1000 Mb) (800 CDR Mbps)	MRC	$ 928.97
54151ECOM	Lumen	132-52.9543	Internet Protocol Virtual Private Network (IPVPN) Port Gig-Ethernet (1000 Mb) (900 CDR Mbps)	MRC	$ 979.85
54151ECOM	Lumen	132-52.9544	Internet Protocol Virtual Private Network (IPVPN) Port Gig-Ethernet (1000 Mb) (1000 CDR Mbps)	MRC	$ 1,032.75
54151ECOM	Lumen	132-52.9545	Internet Protocol Virtual Private Network (IPVPN) Port 10 GB (1000 CDR Mbps)	MRC	$ 1,032.75
54151ECOM	Lumen	132-52.9546	Internet Protocol Virtual Private Network (IPVPN) Port 10 GB (2000 CDR Mbps)	MRC	$ 1,813.60
54151ECOM	Lumen	132-52.9547	Internet Protocol Virtual Private Network (IPVPN) Port 10 GB (3000 CDR Mbps)	MRC	$ 2,468.51
54151ECOM	Lumen	132-52.9548	Internet Protocol Virtual Private Network (IPVPN) Port 10 GB (4000 CDR Mbps)	MRC	$ 2,931.99
54151ECOM	Lumen	132-52.9549	Internet Protocol Virtual Private Network (IPVPN) Port 10 GB (5000 CDR Mbps)	MRC	$ 3,198.99
54151ECOM	Lumen	132-52.9550	Internet Protocol Virtual Private Network (IPVPN) Port 10 GB (6000 CDR Mbps)	MRC	$ 3,738.04
54151ECOM	Lumen	132-52.9551	Internet Protocol Virtual Private Network (IPVPN) Port 10 GB (7000 CDR Mbps)	MRC	$ 4,211.59
54151ECOM	Lumen	132-52.9552	Internet Protocol Virtual Private Network (IPVPN) Port 10 GB (8000 CDR Mbps)	MRC	$ 4,564.23
54151ECOM	Lumen	132-52.9553	Internet Protocol Virtual Private Network (IPVPN) Port 10 GB (9000 CDR Mbps)	MRC	$ 4,901.76
54151ECOM	Lumen	132-52.9554	Internet Protocol Virtual Private Network (IPVPN) Port 10 GB (10000 CDR Mbps)	MRC	$ 5,289.67
54151ECOM	Lumen	132-52.11142	Internet Protocol Virtual Private Network (IPVPN) or DIA Access Ethernet (3000 Mbps)	MRC	$ 503.78
54151ECOM	Lumen	132-52.11143	Internet Protocol Virtual Private Network (IPVPN) or DIA Access Wavelength (10000 Mbps)	MRC	$ 377.83
54151ECOM	Lumen	132-52.11144	Internet Protocol Virtual Private Network (IPVPN) or DIA Access Wavelength (100000 Mbps)	MRC	$ 1,031.23

3.7.23 E-LAN

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9589	UNI - On-Net Access for E-Line/E-LAN - Multiplexed - 100 Mbps - North America	MRC	$ 191.56
54151ECOM	Lumen	132-52.9590	UNI - On-Net Access for E-Line/E-LAN - Multiplexed - 1 Gbps - North America	MRC	$ 191.56
54151ECOM	Lumen	132-52.9591	UNI - On-Net Access for E-Line/E-LAN - Multiplexed - 10 Gbps - North America	MRC	$ 394.96
54151ECOM	Lumen	132-52.9592	UNI - On-Net Access for E-Line/E-LAN - Transparent - 100 Mbps - North America	MRC	$ 191.56
54151ECOM	Lumen	132-52.9593	UNI - On-Net Access for E-Line/E-LAN - Transparent - 1 Gbps - North America	MRC	$ 191.56
54151ECOM	Lumen	132-52.9594	UNI - On-Net Access for E-Line/E-LAN - Transparent - 10 Gbps - North America	MRC	$ 394.96
54151ECOM	Lumen	132-52.9595	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 2 Mbps - North America	MRC	$ 79.90
54151ECOM	Lumen	132-52.9596	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 4 Mbps - North America	MRC	$ 106.08
54151ECOM	Lumen	132-52.9597	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 6 Mbps - North America	MRC	$ 125.22
54151ECOM	Lumen	132-52.9598	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 8 Mbps - North America	MRC	$ 140.85
54151ECOM	Lumen	132-52.9599	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 10 Mbps - North America	MRC	$ 154.31
54151ECOM	Lumen	132-52.9600	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 15 Mbps - North America	MRC	$ 182.15
54151ECOM	Lumen	132-52.9601	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 20 Mbps - North America	MRC	$ 204.89

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9602	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 25 Mbps - North America	MRC	$ 224.47
54151ECOM	Lumen	132-52.9603	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 30 Mbps - North America	MRC	$ 241.85
54151ECOM	Lumen	132-52.9604	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 35 Mbps - North America	MRC	$ 257.59
54151ECOM	Lumen	132-52.9605	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 40 Mbps - North America	MRC	$ 270.01
54151ECOM	Lumen	132-52.9606	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 45 Mbps - North America	MRC	$ 285.48
54151ECOM	Lumen	132-52.9607	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 50 Mbps - North America	MRC	$ 298.05
54151ECOM	Lumen	132-52.9608	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 55 Mbps - North America	MRC	$ 309.90
54151ECOM	Lumen	132-52.9609	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 60 Mbps - North America	MRC	$ 321.12
54151ECOM	Lumen	132-52.9610	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 65 Mbps - North America	MRC	$ 331.81
54151ECOM	Lumen	132-52.9611	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 70 Mbps - North America	MRC	$ 342.02
54151ECOM	Lumen	132-52.9612	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 75 Mbps - North America	MRC	$ 351.81
54151ECOM	Lumen	132-52.9613	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 80 Mbps - North America	MRC	$ 361.22
54151ECOM	Lumen	132-52.9614	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 85 Mbps - North America	MRC	$ 370.29
54151ECOM	Lumen	132-52.9615	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 90 Mbps - North America	MRC	$ 379.05
54151ECOM	Lumen	132-52.9616	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 95 Mbps - North America	MRC	$ 387.52
54151ECOM	Lumen	132-52.9617	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 100 Mbps - North America	MRC	$ 395.74
54151ECOM	Lumen	132-52.9618	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 150 Mbps - North America	MRC	$ 467.12
54151ECOM	Lumen	132-52.9619	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 200 Mbps - North America	MRC	$ 525.45
54151ECOM	Lumen	132-52.9620	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 250 Mbps - North America	MRC	$ 575.66
54151ECOM	Lumen	132-52.9621	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 300 Mbps - North America	MRC	$ 620.23
54151ECOM	Lumen	132-52.9622	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 350 Mbps - North America	MRC	$ 660.59
54151ECOM	Lumen	132-52.9623	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 400 Mbps - North America	MRC	$ 697.67
54151ECOM	Lumen	132-52.9624	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 450 Mbps - North America	MRC	$ 732.10
54151ECOM	Lumen	132-52.9625	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 500 Mbps - North America	MRC	$ 764.34
54151ECOM	Lumen	132-52.9626	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 550 Mbps - North America	MRC	$ 794.72
54151ECOM	Lumen	132-52.9627	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 600 Mbps - North America	MRC	$ 823.52
54151ECOM	Lumen	132-52.9628	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 650 Mbps - North America	MRC	$ 850.92
54151ECOM	Lumen	132-52.9629	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 700 Mbps - North America	MRC	$ 877.11
54151ECOM	Lumen	132-52.9630	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 750 Mbps - North America	MRC	$ 902.21
54151ECOM	Lumen	132-52.9631	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 800 Mbps - North America	MRC	$ 926.34
54151ECOM	Lumen	132-52.9632	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 850 Mbps - North America	MRC	$ 949.60
54151ECOM	Lumen	132-52.9633	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 900 Mbps - North America	MRC	$ 972.06
54151ECOM	Lumen	132-52.9634	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 950 Mbps - North America	MRC	$ 993.80

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9635	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 1000 Mbps - North America	MRC	$ 1,014.86
54151ECOM	Lumen	132-52.9636	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 2000 Mbps - North America	MRC	$ 1,347.50
54151ECOM	Lumen	132-52.9637	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - 3000 Mbps - North America	MRC	$ 1,590.56
54151ECOM	Lumen	132-52.9638	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 2 Mbps - North America	MRC	$ 87.89
54151ECOM	Lumen	132-52.9639	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 4 Mbps - North America	MRC	$ 116.69
54151ECOM	Lumen	132-52.9640	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 6 Mbps - North America	MRC	$ 137.74
54151ECOM	Lumen	132-52.9641	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 8 Mbps - North America	MRC	$ 154.94
54151ECOM	Lumen	132-52.9642	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 10 Mbps - North America	MRC	$ 169.75
54151ECOM	Lumen	132-52.9643	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 15 Mbps - North America	MRC	$ 200.37
54151ECOM	Lumen	132-52.9644	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 20 Mbps - North America	MRC	$ 225.38
54151ECOM	Lumen	132-52.9645	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 25 Mbps - North America	MRC	$ 246.92
54151ECOM	Lumen	132-52.9646	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 30 Mbps - North America	MRC	$ 266.04
54151ECOM	Lumen	132-52.9647	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 35 Mbps - North America	MRC	$ 283.35
54151ECOM	Lumen	132-52.9648	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 40 Mbps - North America	MRC	$ 297.01
54151ECOM	Lumen	132-52.9649	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 45 Mbps - North America	MRC	$ 314.02
54151ECOM	Lumen	132-52.9650	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 50 Mbps - North America	MRC	$ 327.85
54151ECOM	Lumen	132-52.9651	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 55 Mbps - North America	MRC	$ 340.89
54151ECOM	Lumen	132-52.9652	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 60 Mbps - North America	MRC	$ 353.24
54151ECOM	Lumen	132-52.9653	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 65 Mbps - North America	MRC	$ 364.99
54151ECOM	Lumen	132-52.9654	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 70 Mbps - North America	MRC	$ 376.22
54151ECOM	Lumen	132-52.9655	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 75 Mbps - North America	MRC	$ 386.99
54151ECOM	Lumen	132-52.9656	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 80 Mbps - North America	MRC	$ 397.34
54151ECOM	Lumen	132-52.9657	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 85 Mbps - North America	MRC	$ 407.32
54151ECOM	Lumen	132-52.9658	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 90 Mbps - North America	MRC	$ 416.95
54151ECOM	Lumen	132-52.9659	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 95 Mbps - North America	MRC	$ 426.27
54151ECOM	Lumen	132-52.9660	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 100 Mbps - North America	MRC	$ 435.31
54151ECOM	Lumen	132-52.9661	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 150 Mbps - North America	MRC	$ 513.83
54151ECOM	Lumen	132-52.9662	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 200 Mbps - North America	MRC	$ 577.99
54151ECOM	Lumen	132-52.9663	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 250 Mbps - North America	MRC	$ 633.23
54151ECOM	Lumen	132-52.9664	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 300 Mbps - North America	MRC	$ 682.25
54151ECOM	Lumen	132-52.9665	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 350 Mbps - North America	MRC	$ 726.65
54151ECOM	Lumen	132-52.9666	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 400 Mbps - North America	MRC	$ 767.44
54151ECOM	Lumen	132-52.9667	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 450 Mbps - North America	MRC	$ 805.31

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54151ECOM	Lumen	132-52.9668	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 500 Mbps - North America	MRC	$ 840.77
54151ECOM	Lumen	132-52.9669	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 550 Mbps - North America	MRC	$ 874.20
54151ECOM	Lumen	132-52.9670	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 600 Mbps - North America	MRC	$ 905.87
54151ECOM	Lumen	132-52.9671	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 650 Mbps - North America	MRC	$ 936.01
54151ECOM	Lumen	132-52.9672	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 700 Mbps - North America	MRC	$ 964.82
54151ECOM	Lumen	132-52.9673	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 750 Mbps - North America	MRC	$ 992.43
54151ECOM	Lumen	132-52.9674	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 800 Mbps - North America	MRC	$ 1,018.98
54151ECOM	Lumen	132-52.9675	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 850 Mbps - North America	MRC	$ 1,044.56
54151ECOM	Lumen	132-52.9676	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 900 Mbps - North America	MRC	$ 1,069.27
54151ECOM	Lumen	132-52.9677	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 950 Mbps - North America	MRC	$ 1,093.17
54151ECOM	Lumen	132-52.9678	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 1000 Mbps - North America	MRC	$ 1,116.35
54151ECOM	Lumen	132-52.9679	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 2000 Mbps - North America	MRC	$ 1,482.25
54151ECOM	Lumen	132-52.9680	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - 3000 Mbps - North America	MRC	$ 1,749.62
54151ECOM	Lumen	132-52.9681	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 2 Mbps - North America	MRC	$ 99.87
54151ECOM	Lumen	132-52.9682	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 4 Mbps - North America	MRC	$ 132.61
54151ECOM	Lumen	132-52.9683	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 6 Mbps - North America	MRC	$ 156.52
54151ECOM	Lumen	132-52.9684	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 8 Mbps - North America	MRC	$ 176.07
54151ECOM	Lumen	132-52.9685	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 10 Mbps - North America	MRC	$ 192.89
54151ECOM	Lumen	132-52.9686	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 15 Mbps - North America	MRC	$ 227.69
54151ECOM	Lumen	132-52.9687	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 20 Mbps - North America	MRC	$ 256.12
54151ECOM	Lumen	132-52.9688	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 25 Mbps - North America	MRC	$ 280.59
54151ECOM	Lumen	132-52.9689	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 30 Mbps - North America	MRC	$ 302.32
54151ECOM	Lumen	132-52.9690	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 35 Mbps - North America	MRC	$ 321.99
54151ECOM	Lumen	132-52.9691	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 40 Mbps - North America	MRC	$ 337.51
54151ECOM	Lumen	132-52.9692	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 45 Mbps - North America	MRC	$ 356.85
54151ECOM	Lumen	132-52.9693	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 50 Mbps - North America	MRC	$ 372.56
54151ECOM	Lumen	132-52.9694	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 55 Mbps - North America	MRC	$ 387.37
54151ECOM	Lumen	132-52.9695	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 60 Mbps - North America	MRC	$ 401.40
54151ECOM	Lumen	132-52.9696	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 65 Mbps - North America	MRC	$ 414.76
54151ECOM	Lumen	132-52.9697	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 70 Mbps - North America	MRC	$ 427.53
54151ECOM	Lumen	132-52.9698	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 75 Mbps - North America	MRC	$ 439.76
54151ECOM	Lumen	132-52.9699	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 80 Mbps - North America	MRC	$ 451.53
54151ECOM	Lumen	132-52.9700	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 85 Mbps - North America	MRC	$ 462.86

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54151ECOM	Lumen	132-52.9701	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 90 Mbps - North America	MRC	$ 473.81
54151ECOM	Lumen	132-52.9702	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 95 Mbps - North America	MRC	$ 484.40
54151ECOM	Lumen	132-52.9703	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 100 Mbps - North America	MRC	$ 494.67
54151ECOM	Lumen	132-52.9704	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 150 Mbps - North America	MRC	$ 583.90
54151ECOM	Lumen	132-52.9705	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 200 Mbps - North America	MRC	$ 656.81
54151ECOM	Lumen	132-52.9706	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 250 Mbps - North America	MRC	$ 719.57
54151ECOM	Lumen	132-52.9707	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 300 Mbps - North America	MRC	$ 775.28
54151ECOM	Lumen	132-52.9708	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 350 Mbps - North America	MRC	$ 825.74
54151ECOM	Lumen	132-52.9709	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 400 Mbps - North America	MRC	$ 872.09
54151ECOM	Lumen	132-52.9710	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 450 Mbps - North America	MRC	$ 915.13
54151ECOM	Lumen	132-52.9711	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 500 Mbps - North America	MRC	$ 955.43
54151ECOM	Lumen	132-52.9712	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 550 Mbps - North America	MRC	$ 993.41
54151ECOM	Lumen	132-52.9713	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 600 Mbps - North America	MRC	$ 1,029.39
54151ECOM	Lumen	132-52.9714	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 650 Mbps - North America	MRC	$ 1,063.65
54151ECOM	Lumen	132-52.9715	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 700 Mbps - North America	MRC	$ 1,096.39
54151ECOM	Lumen	132-52.9716	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 750 Mbps - North America	MRC	$ 1,127.76
54151ECOM	Lumen	132-52.9717	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 800 Mbps - North America	MRC	$ 1,157.93
54151ECOM	Lumen	132-52.9718	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 850 Mbps - North America	MRC	$ 1,187.00
54151ECOM	Lumen	132-52.9719	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 900 Mbps - North America	MRC	$ 1,215.08
54151ECOM	Lumen	132-52.9720	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 950 Mbps - North America	MRC	$ 1,242.24
54151ECOM	Lumen	132-52.9721	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 1000 Mbps - North America	MRC	$ 1,268.58
54151ECOM	Lumen	132-52.9722	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 2000 Mbps - North America	MRC	$ 1,684.38
54151ECOM	Lumen	132-52.9723	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - 3000 Mbps - North America	MRC	$ 1,988.20
54151ECOM	Lumen	132-52.9724	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 2 Mbps - North America	MRC	$ 95.88
54151ECOM	Lumen	132-52.9725	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 4 Mbps - North America	MRC	$ 127.30
54151ECOM	Lumen	132-52.9726	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 6 Mbps - North America	MRC	$ 150.26
54151ECOM	Lumen	132-52.9727	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 8 Mbps - North America	MRC	$ 169.03
54151ECOM	Lumen	132-52.9728	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 10 Mbps - North America	MRC	$ 185.18
54151ECOM	Lumen	132-52.9729	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 15 Mbps - North America	MRC	$ 218.58
54151ECOM	Lumen	132-52.9730	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 20 Mbps - North America	MRC	$ 245.87
54151ECOM	Lumen	132-52.9731	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 25 Mbps - North America	MRC	$ 269.37
54151ECOM	Lumen	132-52.9732	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 30 Mbps - North America	MRC	$ 290.22
54151ECOM	Lumen	132-52.9733	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 35 Mbps - North America	MRC	$ 309.11

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54151ECOM	Lumen	132-52.9734	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 40 Mbps - North America	MRC	$ 324.01
54151ECOM	Lumen	132-52.9735	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 45 Mbps - North America	MRC	$ 342.57
54151ECOM	Lumen	132-52.9736	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 50 Mbps - North America	MRC	$ 357.66
54151ECOM	Lumen	132-52.9737	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 55 Mbps - North America	MRC	$ 371.88
54151ECOM	Lumen	132-52.9738	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 60 Mbps - North America	MRC	$ 385.35
54151ECOM	Lumen	132-52.9739	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 65 Mbps - North America	MRC	$ 398.17
54151ECOM	Lumen	132-52.9740	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 70 Mbps - North America	MRC	$ 410.43
54151ECOM	Lumen	132-52.9741	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 75 Mbps - North America	MRC	$ 422.17
54151ECOM	Lumen	132-52.9742	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 80 Mbps - North America	MRC	$ 433.46
54151ECOM	Lumen	132-52.9743	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 85 Mbps - North America	MRC	$ 444.35
54151ECOM	Lumen	132-52.9744	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 90 Mbps - North America	MRC	$ 454.86
54151ECOM	Lumen	132-52.9745	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 95 Mbps - North America	MRC	$ 465.03
54151ECOM	Lumen	132-52.9746	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 100 Mbps - North America	MRC	$ 474.89
54151ECOM	Lumen	132-52.9747	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 150 Mbps - North America	MRC	$ 560.55
54151ECOM	Lumen	132-52.9748	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 200 Mbps - North America	MRC	$ 630.54
54151ECOM	Lumen	132-52.9749	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 250 Mbps - North America	MRC	$ 690.79
54151ECOM	Lumen	132-52.9750	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 300 Mbps - North America	MRC	$ 744.27
54151ECOM	Lumen	132-52.9751	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 350 Mbps - North America	MRC	$ 792.71
54151ECOM	Lumen	132-52.9752	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 400 Mbps - North America	MRC	$ 837.20
54151ECOM	Lumen	132-52.9753	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 450 Mbps - North America	MRC	$ 878.52
54151ECOM	Lumen	132-52.9754	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 500 Mbps - North America	MRC	$ 917.21
54151ECOM	Lumen	132-52.9755	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 550 Mbps - North America	MRC	$ 953.67
54151ECOM	Lumen	132-52.9756	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 600 Mbps - North America	MRC	$ 988.22
54151ECOM	Lumen	132-52.9757	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 650 Mbps - North America	MRC	$ 1,021.11
54151ECOM	Lumen	132-52.9758	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 700 Mbps - North America	MRC	$ 1,052.53
54151ECOM	Lumen	132-52.9759	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 750 Mbps - North America	MRC	$ 1,082.65
54151ECOM	Lumen	132-52.9760	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 800 Mbps - North America	MRC	$ 1,111.61
54151ECOM	Lumen	132-52.9761	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 850 Mbps - North America	MRC	$ 1,139.52
54151ECOM	Lumen	132-52.9762	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 900 Mbps - North America	MRC	$ 1,166.47
54151ECOM	Lumen	132-52.9763	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 950 Mbps - North America	MRC	$ 1,192.55
54151ECOM	Lumen	132-52.9764	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 1000 Mbps - North America	MRC	$ 1,217.84
54151ECOM	Lumen	132-52.9765	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 2000 Mbps - North America	MRC	$ 1,617.00
54151ECOM	Lumen	132-52.9766	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - 3000 Mbps - North America	MRC	$ 1,908.67

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9767	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 2 Mbps - North America	MRC	$ 103.87
54151ECOM	Lumen	132-52.9768	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 4 Mbps - North America	MRC	$ 137.91
54151ECOM	Lumen	132-52.9769	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 6 Mbps - North America	MRC	$ 162.79
54151ECOM	Lumen	132-52.9770	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 8 Mbps - North America	MRC	$ 183.11
54151ECOM	Lumen	132-52.9771	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 10 Mbps - North America	MRC	$ 200.61
54151ECOM	Lumen	132-52.9772	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 15 Mbps - North America	MRC	$ 236.80
54151ECOM	Lumen	132-52.9773	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 20 Mbps - North America	MRC	$ 266.36
54151ECOM	Lumen	132-52.9774	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 25 Mbps - North America	MRC	$ 291.82
54151ECOM	Lumen	132-52.9775	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 30 Mbps - North America	MRC	$ 314.41
54151ECOM	Lumen	132-52.9776	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 35 Mbps - North America	MRC	$ 334.87
54151ECOM	Lumen	132-52.9777	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 40 Mbps - North America	MRC	$ 351.01
54151ECOM	Lumen	132-52.9778	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 45 Mbps - North America	MRC	$ 371.12
54151ECOM	Lumen	132-52.9779	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 50 Mbps - North America	MRC	$ 387.46
54151ECOM	Lumen	132-52.9780	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 55 Mbps - North America	MRC	$ 402.87
54151ECOM	Lumen	132-52.9781	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 60 Mbps - North America	MRC	$ 417.46
54151ECOM	Lumen	132-52.9782	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 65 Mbps - North America	MRC	$ 431.35
54151ECOM	Lumen	132-52.9783	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 70 Mbps - North America	MRC	$ 444.63
54151ECOM	Lumen	132-52.9784	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 75 Mbps - North America	MRC	$ 457.35
54151ECOM	Lumen	132-52.9785	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 80 Mbps - North America	MRC	$ 469.59
54151ECOM	Lumen	132-52.9786	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 85 Mbps - North America	MRC	$ 481.38
54151ECOM	Lumen	132-52.9787	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 90 Mbps - North America	MRC	$ 492.76
54151ECOM	Lumen	132-52.9788	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 95 Mbps - North America	MRC	$ 503.78
54151ECOM	Lumen	132-52.9789	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 100 Mbps - North America	MRC	$ 514.46
54151ECOM	Lumen	132-52.9790	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 150 Mbps - North America	MRC	$ 607.26
54151ECOM	Lumen	132-52.9791	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 200 Mbps - North America	MRC	$ 683.08
54151ECOM	Lumen	132-52.9792	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 250 Mbps - North America	MRC	$ 748.36
54151ECOM	Lumen	132-52.9793	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 300 Mbps - North America	MRC	$ 806.29
54151ECOM	Lumen	132-52.9794	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 350 Mbps - North America	MRC	$ 858.77
54151ECOM	Lumen	132-52.9795	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 400 Mbps - North America	MRC	$ 906.97
54151ECOM	Lumen	132-52.9796	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 450 Mbps - North America	MRC	$ 951.73
54151ECOM	Lumen	132-52.9797	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 500 Mbps - North America	MRC	$ 993.64
54151ECOM	Lumen	132-52.9798	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 550 Mbps - North America	MRC	$ 1,033.14
54151ECOM	Lumen	132-52.9799	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 600 Mbps - North America	MRC	$ 1,070.57

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9800	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 650 Mbps - North America	MRC	$ 1,106.20
54151ECOM	Lumen	132-52.9801	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 700 Mbps - North America	MRC	$ 1,140.24
54151ECOM	Lumen	132-52.9802	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 750 Mbps - North America	MRC	$ 1,172.87
54151ECOM	Lumen	132-52.9803	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 800 Mbps - North America	MRC	$ 1,204.25
54151ECOM	Lumen	132-52.9804	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 850 Mbps - North America	MRC	$ 1,234.48
54151ECOM	Lumen	132-52.9805	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 900 Mbps - North America	MRC	$ 1,263.68
54151ECOM	Lumen	132-52.9806	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 950 Mbps - North America	MRC	$ 1,291.93
54151ECOM	Lumen	132-52.9807	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 1000 Mbps - North America	MRC	$ 1,319.32
54151ECOM	Lumen	132-52.9808	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 2000 Mbps - North America	MRC	$ 1,751.75
54151ECOM	Lumen	132-52.9809	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - 3000 Mbps - North America	MRC	$ 2,067.73
54151ECOM	Lumen	132-52.9810	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 2 Mbps - North America	MRC	$ 99.71
54151ECOM	Lumen	132-52.9811	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 4 Mbps - North America	MRC	$ 132.39
54151ECOM	Lumen	132-52.9812	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 6 Mbps - North America	MRC	$ 156.27
54151ECOM	Lumen	132-52.9813	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 8 Mbps - North America	MRC	$ 175.79
54151ECOM	Lumen	132-52.9814	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 10 Mbps - North America	MRC	$ 192.59
54151ECOM	Lumen	132-52.9815	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 15 Mbps - North America	MRC	$ 227.32
54151ECOM	Lumen	132-52.9816	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 20 Mbps - North America	MRC	$ 255.71
54151ECOM	Lumen	132-52.9817	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 25 Mbps - North America	MRC	$ 280.14
54151ECOM	Lumen	132-52.9818	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 30 Mbps - North America	MRC	$ 301.83
54151ECOM	Lumen	132-52.9819	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 35 Mbps - North America	MRC	$ 321.47
54151ECOM	Lumen	132-52.9820	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 40 Mbps - North America	MRC	$ 336.97
54151ECOM	Lumen	132-52.9821	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 45 Mbps - North America	MRC	$ 356.28
54151ECOM	Lumen	132-52.9822	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 50 Mbps - North America	MRC	$ 371.96
54151ECOM	Lumen	132-52.9823	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 55 Mbps - North America	MRC	$ 386.75
54151ECOM	Lumen	132-52.9824	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 60 Mbps - North America	MRC	$ 400.76
54151ECOM	Lumen	132-52.9825	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 65 Mbps - North America	MRC	$ 414.10
54151ECOM	Lumen	132-52.9826	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 70 Mbps - North America	MRC	$ 426.84
54151ECOM	Lumen	132-52.9827	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 75 Mbps - North America	MRC	$ 439.06
54151ECOM	Lumen	132-52.9828	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 80 Mbps - North America	MRC	$ 450.80
54151ECOM	Lumen	132-52.9829	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 85 Mbps - North America	MRC	$ 462.12
54151ECOM	Lumen	132-52.9830	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 90 Mbps - North America	MRC	$ 473.05
54151ECOM	Lumen	132-52.9831	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 95 Mbps - North America	MRC	$ 483.63
54151ECOM	Lumen	132-52.9832	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 100 Mbps - North America	MRC	$ 493.88

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54151ECOM	Lumen	132-52.9833	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 150 Mbps - North America	MRC	$ 582.97
54151ECOM	Lumen	132-52.9834	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 200 Mbps - North America	MRC	$ 655.76
54151ECOM	Lumen	132-52.9835	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 250 Mbps - North America	MRC	$ 718.42
54151ECOM	Lumen	132-52.9836	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 300 Mbps - North America	MRC	$ 774.04
54151ECOM	Lumen	132-52.9837	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 350 Mbps - North America	MRC	$ 824.42
54151ECOM	Lumen	132-52.9838	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 400 Mbps - North America	MRC	$ 870.69
54151ECOM	Lumen	132-52.9839	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 450 Mbps - North America	MRC	$ 913.66
54151ECOM	Lumen	132-52.9840	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 500 Mbps - North America	MRC	$ 953.90
54151ECOM	Lumen	132-52.9841	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 550 Mbps - North America	MRC	$ 991.82
54151ECOM	Lumen	132-52.9842	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 600 Mbps - North America	MRC	$ 1,027.75
54151ECOM	Lumen	132-52.9843	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 650 Mbps - North America	MRC	$ 1,061.95
54151ECOM	Lumen	132-52.9844	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 700 Mbps - North America	MRC	$ 1,094.63
54151ECOM	Lumen	132-52.9845	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 750 Mbps - North America	MRC	$ 1,125.96
54151ECOM	Lumen	132-52.9846	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 800 Mbps - North America	MRC	$ 1,156.08
54151ECOM	Lumen	132-52.9847	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 850 Mbps - North America	MRC	$ 1,185.10
54151ECOM	Lumen	132-52.9848	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 900 Mbps - North America	MRC	$ 1,213.13
54151ECOM	Lumen	132-52.9849	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 950 Mbps - North America	MRC	$ 1,240.26
54151ECOM	Lumen	132-52.9850	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 1000 Mbps - North America	MRC	$ 1,266.55
54151ECOM	Lumen	132-52.9851	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 2000 Mbps - North America	MRC	$ 1,681.68
54151ECOM	Lumen	132-52.9852	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - 3000 Mbps - North America	MRC	$ 1,985.02
54151ECOM	Lumen	132-52.11313	UNI - Transparent - 100 Gbps - only available in select markets	MRC	$ 784.00
54151ECOM	Lumen	132-52.11314	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Metro - 4000 Mbps - North America. Only Available in Select Markets	MRC	$ 1,789.17
54151ECOM	Lumen	132-52.11315	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Metro - 5000 Mbps - North America. Only Available in Select Markets	MRC	$ 1,960.14
54151ECOM	Lumen	132-52.11316	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Metro - 6000 Mbps - North America. Only Available in Select Markets	MRC	$ 2,111.89
54151ECOM	Lumen	132-52.11317	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Metro - 7000 Mbps - North America. Only Available in Select Markets	MRC	$ 2,249.33
54151ECOM	Lumen	132-52.11318	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Metro - 8000 Mbps - North America. Only Available in Select Markets	MRC	$ 2,375.59
54151ECOM	Lumen	132-52.11319	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Metro - 9000 Mbps - North America. Only Available in Select Markets	MRC	$ 2,492.83
54151ECOM	Lumen	132-52.11320	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Metro - 10000 Mbps - North America. Only Available in Select Markets	MRC	$2,583.08
54151ECOM	Lumen	132-52.11321	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Metro - 15000 Mbps - North America. Only Available in Select Markets	MRC	$3,049.02
54151ECOM	Lumen	132-52.11322	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Metro - 20000 Mbps - North America. Only Available in Select Markets	MRC	$3,429.73
54151ECOM	Lumen	132-52.11323	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Metro - 25000 Mbps - North America. Only Available in Select Markets	MRC	$3,757.47
54151ECOM	Lumen	132-52.11324	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Metro - 30000 Mbps - North America. Only Available in Select Markets	MRC	$4,048.38
54151ECOM	Lumen	132-52.11325	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Metro - 35000 Mbps - North America. Only Available in Select Markets	MRC	$4,311.84
54151ECOM	Lumen	132-52.11326	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Metro - 40000 Mbps - North America. Only Available in Select Markets	MRC	$4,553.87

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54151ECOM	Lumen	132-52.11327	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Metro - 4000 Mbps - North America. Only Available in Select Markets	MRC	$1,968.08
54151ECOM	Lumen	132-52.11328	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Metro - 5000 Mbps - North America. Only Available in Select Markets	MRC	$2,156.15
54151ECOM	Lumen	132-52.11329	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Metro - 6000 Mbps - North America. Only Available in Select Markets	MRC	$2,323.08
54151ECOM	Lumen	132-52.11330	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Metro - 7000 Mbps - North America. Only Available in Select Markets	MRC	$2,474.26
54151ECOM	Lumen	132-52.11331	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Metro - 8000 Mbps - North America. Only Available in Select Markets	MRC	$2,613.15
54151ECOM	Lumen	132-52.11332	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Metro - 9000 Mbps - North America. Only Available in Select Markets	MRC	$2,742.12
54151ECOM	Lumen	132-52.11333	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Metro - 10000 Mbps - North America. Only Available in Select Markets	MRC	$2,841.39
54151ECOM	Lumen	132-52.11334	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Metro - 15000 Mbps - North America. Only Available in Select Markets	MRC	$3,353.92
54151ECOM	Lumen	132-52.11335	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Metro - 20000 Mbps - North America. Only Available in Select Markets	MRC	$3,772.70
54151ECOM	Lumen	132-52.11336	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Metro - 25000 Mbps - North America. Only Available in Select Markets	MRC	$4,133.22
54151ECOM	Lumen	132-52.11337	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Metro - 30000 Mbps - North America. Only Available in Select Markets	MRC	$4,453.22
54151ECOM	Lumen	132-52.11338	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Metro - 35000 Mbps - North America. Only Available in Select Markets	MRC	$4,743.02
54151ECOM	Lumen	132-52.11339	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Metro - 40000 Mbps - North America. Only Available in Select Markets	MRC	$5,009.26
54151ECOM	Lumen	132-52.11340	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Metro - 4000 Mbps - North America. Only Available in Select Markets	MRC	$2,236.46
54151ECOM	Lumen	132-52.11341	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Metro - 5000 Mbps - North America. Only Available in Select Markets	MRC	$2,450.17
54151ECOM	Lumen	132-52.11342	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Metro - 6000 Mbps - North America. Only Available in Select Markets	MRC	$2,639.87
54151ECOM	Lumen	132-52.11343	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Metro - 7000 Mbps - North America. Only Available in Select Markets	MRC	$2,811.66
54151ECOM	Lumen	132-52.11344	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Metro - 8000 Mbps - North America. Only Available in Select Markets	MRC	$2,969.49
54151ECOM	Lumen	132-52.11345	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Metro - 9000 Mbps - North America. Only Available in Select Markets	MRC	$3,116.04
54151ECOM	Lumen	132-52.11346	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Metro - 10000 Mbps - North America. Only Available in Select Markets	MRC	$3,228.85
54151ECOM	Lumen	132-52.11347	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Metro - 15000 Mbps - North America. Only Available in Select Markets	MRC	$3,811.27
54151ECOM	Lumen	132-52.11348	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Metro - 20000 Mbps - North America. Only Available in Select Markets	MRC	$4,287.16
54151ECOM	Lumen	132-52.11349	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Metro - 25000 Mbps - North America. Only Available in Select Markets	MRC	$4,696.84
54151ECOM	Lumen	132-52.11350	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Metro - 30000 Mbps - North America. Only Available in Select Markets	MRC	$5,060.47
54151ECOM	Lumen	132-52.11351	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Metro - 35000 Mbps - North America. Only Available in Select Markets	MRC	$5,389.80
54151ECOM	Lumen	132-52.11352	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Metro - 40000 Mbps - North America. Only Available in Select Markets	MRC	$5,692.34
54151ECOM	Lumen	132-52.11353	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Metro - 4000 Mbps - North America. Only Available in Select Markets	MRC	$2,147.00
54151ECOM	Lumen	132-52.11354	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Metro - 5000 Mbps - North America. Only Available in Select Markets	MRC	$2,352.17
54151ECOM	Lumen	132-52.11355	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Metro - 6000 Mbps - North America. Only Available in Select Markets	MRC	$2,534.27
54151ECOM	Lumen	132-52.11356	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Metro - 7000 Mbps - North America. Only Available in Select Markets	MRC	$2,699.20
54151ECOM	Lumen	132-52.11357	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Metro - 8000 Mbps - North America. Only Available in Select Markets	MRC	$2,850.71
54151ECOM	Lumen	132-52.11358	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Metro - 9000 Mbps - North America. Only Available in Select Markets	MRC	$2,991.40
54151ECOM	Lumen	132-52.11359	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Metro - 10000 Mbps - North America. Only Available in Select Markets	MRC	$3,099.70

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54151ECOM	Lumen	132-52.11360	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Metro - 15000 Mbps - North America. Only Available in Select Markets	MRC	$3,658.82
54151ECOM	Lumen	132-52.11361	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Metro - 20000 Mbps - North America. Only Available in Select Markets	MRC	$4,115.67
54151ECOM	Lumen	132-52.11362	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Metro - 25000 Mbps - North America. Only Available in Select Markets	MRC	$4,508.97
54151ECOM	Lumen	132-52.11363	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Metro - 30000 Mbps - North America. Only Available in Select Markets	MRC	$4,858.05
54151ECOM	Lumen	132-52.11364	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Metro - 35000 Mbps - North America. Only Available in Select Markets	MRC	$5,174.20
54151ECOM	Lumen	132-52.11365	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Metro - 40000 Mbps - North America. Only Available in Select Markets	MRC	$5,464.65
54151ECOM	Lumen	132-52.11366	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Metro - 4000 Mbps - North America. Only Available in Select Markets	MRC	$2,325.92
54151ECOM	Lumen	132-52.11367	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Metro - 5000 Mbps - North America. Only Available in Select Markets	MRC	$2,548.18
54151ECOM	Lumen	132-52.11368	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Metro - 6000 Mbps - North America. Only Available in Select Markets	MRC	$2,745.46
54151ECOM	Lumen	132-52.11369	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Metro - 7000 Mbps - North America. Only Available in Select Markets	MRC	$2,924.13
54151ECOM	Lumen	132-52.11370	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Metro - 8000 Mbps - North America. Only Available in Select Markets	MRC	$3,088.27
54151ECOM	Lumen	132-52.11371	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Metro - 9000 Mbps - North America. Only Available in Select Markets	MRC	$3,240.68
54151ECOM	Lumen	132-52.11372	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Metro - 10000 Mbps - North America. Only Available in Select Markets	MRC	$3,358.01
54151ECOM	Lumen	132-52.11373	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Metro - 15000 Mbps - North America. Only Available in Select Markets	MRC	$3,963.72
54151ECOM	Lumen	132-52.11374	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Metro - 20000 Mbps - North America. Only Available in Select Markets	MRC	$4,458.65
54151ECOM	Lumen	132-52.11375	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Metro - 25000 Mbps - North America. Only Available in Select Markets	MRC	$4,884.72
54151ECOM	Lumen	132-52.11376	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Metro - 30000 Mbps - North America. Only Available in Select Markets	MRC	$5,262.89
54151ECOM	Lumen	132-52.11377	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Metro - 35000 Mbps - North America. Only Available in Select Markets	MRC	$5,605.39
54151ECOM	Lumen	132-52.11378	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Metro - 40000 Mbps - North America. Only Available in Select Markets	MRC	$5,920.04
54151ECOM	Lumen	132-52.11379	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Metro - 4000 Mbps - North America. Only Available in Select Markets	MRC	$2,232.88
54151ECOM	Lumen	132-52.11380	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Metro - 5000 Mbps - North America. Only Available in Select Markets	MRC	$2,446.25
54151ECOM	Lumen	132-52.11381	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Metro - 6000 Mbps - North America. Only Available in Select Markets	MRC	$2,635.64
54151ECOM	Lumen	132-52.11382	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Metro - 7000 Mbps - North America. Only Available in Select Markets	MRC	$2,807.16
54151ECOM	Lumen	132-52.11383	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Metro - 8000 Mbps - North America. Only Available in Select Markets	MRC	$2,964.74
54151ECOM	Lumen	132-52.11384	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Metro - 9000 Mbps - North America. Only Available in Select Markets	MRC	$3,111.06
54151ECOM	Lumen	132-52.11385	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Metro - 10000 Mbps - North America. Only Available in Select Markets	MRC	$3,223.69
54151ECOM	Lumen	132-52.11386	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Metro - 15000 Mbps - North America. Only Available in Select Markets	MRC	$3,805.17
54151ECOM	Lumen	132-52.11387	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Metro - 20000 Mbps - North America. Only Available in Select Markets	MRC	$4,280.30
54151ECOM	Lumen	132-52.11388	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Metro - 25000 Mbps - North America. Only Available in Select Markets	MRC	$4,689.33
54151ECOM	Lumen	132-52.11389	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Metro - 30000 Mbps - North America. Only Available in Select Markets	MRC	$5,052.38
54151ECOM	Lumen	132-52.11390	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Metro - 35000 Mbps - North America. Only Available in Select Markets	MRC	$5,381.17
54151ECOM	Lumen	132-52.11391	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Metro - 40000 Mbps - North America. Only Available in Select Markets	MRC	$5,683.24
54151ECOM	Lumen	132-52.11392	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 2 Mbps - North America.	MRC	$106.53

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54151ECOM	Lumen	132-52.11393	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 4 Mbps - North America	MRC	$141.45
54151ECOM	Lumen	132-52.11394	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 6 Mbps - North America	MRC	$166.96
54151ECOM	Lumen	132-52.11395	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 8 Mbps - North America	MRC	$187.81
54151ECOM	Lumen	132-52.11396	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 10 Mbps - North America	MRC	$205.75
54151ECOM	Lumen	132-52.11397	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 15 Mbps - North America	MRC	$242.87
54151ECOM	Lumen	132-52.11398	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 20 Mbps - North America	MRC	$273.19
54151ECOM	Lumen	132-52.11399	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 25 Mbps - North America	MRC	$299.30
54151ECOM	Lumen	132-52.11400	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 30 Mbps - North America	MRC	$322.47
54151ECOM	Lumen	132-52.11401	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 35 Mbps - North America	MRC	$343.46
54151ECOM	Lumen	132-52.11402	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 40 Mbps - North America	MRC	$362.73
54151ECOM	Lumen	132-52.11403	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 45 Mbps - North America	MRC	$380.64
54151ECOM	Lumen	132-52.11404	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 50 Mbps - North America	MRC	$397.40
54151ECOM	Lumen	132-52.11405	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 55 Mbps - North America	MRC	$413.20
54151ECOM	Lumen	132-52.11406	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 60 Mbps - North America	MRC	$428.16
54151ECOM	Lumen	132-52.11407	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 65 Mbps - North America	MRC	$442.41
54151ECOM	Lumen	132-52.11408	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 70 Mbps - North America	MRC	$456.03
54151ECOM	Lumen	132-52.11409	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 75 Mbps - North America	MRC	$469.08
54151ECOM	Lumen	132-52.11410	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 80 Mbps - North America	MRC	$481.63
54151ECOM	Lumen	132-52.11411	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 85 Mbps - North America	MRC	$493.72
54151ECOM	Lumen	132-52.11412	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 90 Mbps - North America	MRC	$505.40
54151ECOM	Lumen	132-52.11413	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 95 Mbps - North America	MRC	$516.70
54151ECOM	Lumen	132-52.11414	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 100 Mbps - North America	MRC	$527.65
54151ECOM	Lumen	132-52.11415	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 150 Mbps - North America	MRC	$622.83
54151ECOM	Lumen	132-52.11416	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 200 Mbps - North America	MRC	$700.60
54151ECOM	Lumen	132-52.11417	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 250 Mbps - North America	MRC	$767.55
54151ECOM	Lumen	132-52.11418	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 300 Mbps - North America	MRC	$826.97
54151ECOM	Lumen	132-52.11419	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 350 Mbps - North America	MRC	$880.79
54151ECOM	Lumen	132-52.11420	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 400 Mbps - North America	MRC	$930.23
54151ECOM	Lumen	132-52.11421	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 450 Mbps - North America	MRC	$976.14
54151ECOM	Lumen	132-52.11422	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 500 Mbps - North America	MRC	$1,019.12
54151ECOM	Lumen	132-52.11423	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 550 Mbps - North America	MRC	$1,059.63
54151ECOM	Lumen	132-52.11424	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 600 Mbps - North America	MRC	$1,098.02
54151ECOM	Lumen	132-52.11425	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 650 Mbps - North America	MRC	$1,134.56

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54151ECOM	Lumen	132-52.11426	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 700 Mbps - North America	MRC	$1,169.48
54151ECOM	Lumen	132-52.11427	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 750 Mbps - North America	MRC	$1,202.95
54151ECOM	Lumen	132-52.11428	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 800 Mbps - North America	MRC	$1,235.12
54151ECOM	Lumen	132-52.11429	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 850 Mbps - North America	MRC	$1,266.13
54151ECOM	Lumen	132-52.11430	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 900 Mbps - North America	MRC	$1,296.08
54151ECOM	Lumen	132-52.11431	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 950 Mbps - North America	MRC	$1,325.06
54151ECOM	Lumen	132-52.11432	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 1000 Mbps - North America	MRC	$1,353.15
54151ECOM	Lumen	132-52.11433	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 2000 Mbps - North America	MRC	$1,796.67
54151ECOM	Lumen	132-52.11434	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 3000 Mbps - North America	MRC	$2,120.75
54151ECOM	Lumen	132-52.11435	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 4000 Mbps - North America. Only Available in Select Markets	MRC	$2,385.55
54151ECOM	Lumen	132-52.11436	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 5000 Mbps - North America. Only Available in Select Markets	MRC	$2,613.52
54151ECOM	Lumen	132-52.11437	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 6000 Mbps - North America. Only Available in Select Markets	MRC	$2,815.86
54151ECOM	Lumen	132-52.11438	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 7000 Mbps - North America. Only Available in Select Markets	MRC	$2,999.11
54151ECOM	Lumen	132-52.11439	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 8000 Mbps - North America. Only Available in Select Markets	MRC	$3,167.46
54151ECOM	Lumen	132-52.11440	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 9000 Mbps - North America. Only Available in Select Markets	MRC	$3,323.78
54151ECOM	Lumen	132-52.11441	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 10000 Mbps - North America. Only Available in Select Markets	MRC	$3,444.11
54151ECOM	Lumen	132-52.11442	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 15000 Mbps - North America. Only Available in Select Markets	MRC	$4,065.36
54151ECOM	Lumen	132-52.11443	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 20000 Mbps - North America. Only Available in Select Markets	MRC	$4,572.97
54151ECOM	Lumen	132-52.11444	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 25000 Mbps - North America. Only Available in Select Markets	MRC	$5,009.97
54151ECOM	Lumen	132-52.11445	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 30000 Mbps - North America. Only Available in Select Markets	MRC	$5,397.84
54151ECOM	Lumen	132-52.11446	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 35000 Mbps - North America. Only Available in Select Markets	MRC	$5,749.12
54151ECOM	Lumen	132-52.11447	E-LAN EVC Endpoint - EVP-LAN - Basic CoS - Inter-Market - 40000 Mbps - North America. Only Available in Select Markets	MRC	$6,071.83
54151ECOM	Lumen	132-52.11448	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 2 Mbps - North America.	MRC	$117.18
54151ECOM	Lumen	132-52.11449	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 4 Mbps - North America	MRC	$155.59
54151ECOM	Lumen	132-52.11450	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 6 Mbps - North America	MRC	$183.66
54151ECOM	Lumen	132-52.11451	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 8 Mbps - North America	MRC	$206.59
54151ECOM	Lumen	132-52.11452	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 10 Mbps - North America	MRC	$226.33
54151ECOM	Lumen	132-52.11453	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 15 Mbps - North America	MRC	$267.15
54151ECOM	Lumen	132-52.11454	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 20 Mbps - North America	MRC	$300.51
54151ECOM	Lumen	132-52.11455	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 25 Mbps - North America	MRC	$329.23
54151ECOM	Lumen	132-52.11456	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 30 Mbps - North America	MRC	$354.72
54151ECOM	Lumen	132-52.11457	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 35 Mbps - North America	MRC	$377.80
54151ECOM	Lumen	132-52.11458	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 40 Mbps - North America	MRC	$399.01

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54151ECOM	Lumen	132-52.11459	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 45 Mbps - North America	MRC	$418.70
54151ECOM	Lumen	132-52.11460	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 50 Mbps - North America	MRC	$437.14
54151ECOM	Lumen	132-52.11461	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 55 Mbps - North America	MRC	$454.51
54151ECOM	Lumen	132-52.11462	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 60 Mbps - North America	MRC	$470.98
54151ECOM	Lumen	132-52.11463	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 65 Mbps - North America	MRC	$486.65
54151ECOM	Lumen	132-52.11464	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 70 Mbps - North America	MRC	$501.63
54151ECOM	Lumen	132-52.11465	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 75 Mbps - North America	MRC	$515.99
54151ECOM	Lumen	132-52.11466	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 80 Mbps - North America	MRC	$529.79
54151ECOM	Lumen	132-52.11467	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 85 Mbps - North America	MRC	$543.09
54151ECOM	Lumen	132-52.11468	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 90 Mbps - North America	MRC	$555.94
54151ECOM	Lumen	132-52.11469	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 95 Mbps - North America	MRC	$568.37
54151ECOM	Lumen	132-52.11470	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 100 Mbps - North America	MRC	$580.42
54151ECOM	Lumen	132-52.11471	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 150 Mbps - North America	MRC	$685.11
54151ECOM	Lumen	132-52.11472	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 200 Mbps - North America	MRC	$770.66
54151ECOM	Lumen	132-52.11473	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 250 Mbps - North America	MRC	$844.30
54151ECOM	Lumen	132-52.11474	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 300 Mbps - North America	MRC	$909.67
54151ECOM	Lumen	132-52.11475	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 350 Mbps - North America	MRC	$968.86
54151ECOM	Lumen	132-52.11476	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 400 Mbps - North America	MRC	$1,023.25
54151ECOM	Lumen	132-52.11477	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 450 Mbps - North America	MRC	$1,073.75
54151ECOM	Lumen	132-52.11478	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 500 Mbps - North America	MRC	$1,121.03
54151ECOM	Lumen	132-52.11479	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 550 Mbps - North America	MRC	$1,165.60
54151ECOM	Lumen	132-52.11480	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 600 Mbps - North America	MRC	$1,207.82
54151ECOM	Lumen	132-52.11481	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 650 Mbps - North America	MRC	$1,248.02
54151ECOM	Lumen	132-52.11482	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 700 Mbps - North America	MRC	$1,286.43
54151ECOM	Lumen	132-52.11483	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 750 Mbps - North America	MRC	$1,323.24
54151ECOM	Lumen	132-52.11484	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 800 Mbps - North America	MRC	$1,358.64
54151ECOM	Lumen	132-52.11485	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 850 Mbps - North America	MRC	$1,392.75
54151ECOM	Lumen	132-52.11486	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 900 Mbps - North America	MRC	$1,425.69
54151ECOM	Lumen	132-52.11487	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 950 Mbps - North America	MRC	$1,457.57
54151ECOM	Lumen	132-52.11488	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 1000 Mbps - North America	MRC	$1,488.47
54151ECOM	Lumen	132-52.11489	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 2000 Mbps - North America	MRC	$1,976.34
54151ECOM	Lumen	132-52.11490	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 3000 Mbps - North America	MRC	$2,332.82
54151ECOM	Lumen	132-52.11491	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 4000 Mbps - North America. Only Available in Select Markets	MRC	$2,624.11

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54151ECOM	Lumen	132-52.11492	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 5000 Mbps - North America. Only Available in Select Markets	MRC	$2,874.87
54151ECOM	Lumen	132-52.11493	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 6000 Mbps - North America. Only Available in Select Markets	MRC	$3,097.44
54151ECOM	Lumen	132-52.11494	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 7000 Mbps - North America. Only Available in Select Markets	MRC	$3,299.02
54151ECOM	Lumen	132-52.11495	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 8000 Mbps - North America. Only Available in Select Markets	MRC	$3,484.20
54151ECOM	Lumen	132-52.11496	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 9000 Mbps - North America. Only Available in Select Markets	MRC	$3,656.16
54151ECOM	Lumen	132-52.11497	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 10000 Mbps - North America. Only Available in Select Markets	MRC	$3,788.52
54151ECOM	Lumen	132-52.11498	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 15000 Mbps - North America. Only Available in Select Markets	MRC	$4,471.89
54151ECOM	Lumen	132-52.11499	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 20000 Mbps - North America. Only Available in Select Markets	MRC	$5,030.27
54151ECOM	Lumen	132-52.11500	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 25000 Mbps - North America. Only Available in Select Markets	MRC	$5,510.96
54151ECOM	Lumen	132-52.11501	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 30000 Mbps - North America. Only Available in Select Markets	MRC	$5,937.62
54151ECOM	Lumen	132-52.11502	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 35000 Mbps - North America. Only Available in Select Markets	MRC	$6,324.03
54151ECOM	Lumen	132-52.11503	E-LAN EVC Endpoint - EVP-LAN - Enhanced CoS - Inter-Market - 40000 Mbps - North America. Only Available in Select Markets	MRC	$6,679.02
54151ECOM	Lumen	132-52.11504	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 2 Mbps - North America	MRC	$133.16
54151ECOM	Lumen	132-52.11505	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 4 Mbps - North America	MRC	$176.81
54151ECOM	Lumen	132-52.11506	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 6 Mbps - North America	MRC	$208.70
54151ECOM	Lumen	132-52.11507	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 8 Mbps - North America	MRC	$234.76
54151ECOM	Lumen	132-52.11508	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 10 Mbps - North America	MRC	$257.19
54151ECOM	Lumen	132-52.11509	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 15 Mbps - North America	MRC	$303.58
54151ECOM	Lumen	132-52.11510	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 20 Mbps - North America	MRC	$341.49
54151ECOM	Lumen	132-52.11511	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 25 Mbps - North America	MRC	$374.12
54151ECOM	Lumen	132-52.11512	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 30 Mbps - North America	MRC	$403.09
54151ECOM	Lumen	132-52.11513	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 35 Mbps - North America	MRC	$429.32
54151ECOM	Lumen	132-52.11514	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 40 Mbps - North America	MRC	$453.42
54151ECOM	Lumen	132-52.11515	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 45 Mbps - North America	MRC	$475.80
54151ECOM	Lumen	132-52.11516	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 50 Mbps - North America	MRC	$496.75
54151ECOM	Lumen	132-52.11517	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 55 Mbps - North America	MRC	$516.49
54151ECOM	Lumen	132-52.11518	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 60 Mbps - North America	MRC	$535.21
54151ECOM	Lumen	132-52.11519	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 65 Mbps - North America	MRC	$553.02
54151ECOM	Lumen	132-52.11520	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 70 Mbps - North America	MRC	$570.04
54151ECOM	Lumen	132-52.11521	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 75 Mbps - North America	MRC	$586.35
54151ECOM	Lumen	132-52.11522	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 80 Mbps - North America	MRC	$602.03
54151ECOM	Lumen	132-52.11523	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 85 Mbps - North America	MRC	$617.15
54151ECOM	Lumen	132-52.11524	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 90 Mbps - North America	MRC	$631.75

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.11525	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 95 Mbps - North America	MRC	$645.87
54151ECOM	Lumen	132-52.11526	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 100 Mbps - North America	MRC	$659.56
54151ECOM	Lumen	132-52.11527	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 150 Mbps - North America	MRC	$778.53
54151ECOM	Lumen	132-52.11528	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 200 Mbps - North America	MRC	$875.75
54151ECOM	Lumen	132-52.11529	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 250 Mbps - North America	MRC	$959.43
54151ECOM	Lumen	132-52.11530	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 300 Mbps - North America	MRC	$1,033.71
54151ECOM	Lumen	132-52.11531	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 350 Mbps - North America	MRC	$1,100.98
54151ECOM	Lumen	132-52.11532	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 400 Mbps - North America	MRC	$1,162.78
54151ECOM	Lumen	132-52.11533	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 450 Mbps - North America	MRC	$1,220.17
54151ECOM	Lumen	132-52.11534	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 500 Mbps - North America	MRC	$1,273.90
54151ECOM	Lumen	132-52.11535	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 550 Mbps - North America	MRC	$1,324.54
54151ECOM	Lumen	132-52.11536	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 600 Mbps - North America	MRC	$1,372.53
54151ECOM	Lumen	132-52.11537	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 650 Mbps - North America	MRC	$1,418.20
54151ECOM	Lumen	132-52.11538	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 700 Mbps - North America	MRC	$1,461.85
54151ECOM	Lumen	132-52.11539	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 750 Mbps - North America	MRC	$1,503.68
54151ECOM	Lumen	132-52.11540	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 800 Mbps - North America	MRC	$1,543.90
54151ECOM	Lumen	132-52.11541	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 850 Mbps - North America	MRC	$1,582.67
54151ECOM	Lumen	132-52.11542	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 900 Mbps - North America	MRC	$1,620.10
54151ECOM	Lumen	132-52.11543	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 950 Mbps - North America	MRC	$1,656.33
54151ECOM	Lumen	132-52.11544	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 1000 Mbps - North America	MRC	$1,691.44
54151ECOM	Lumen	132-52.11545	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 2000 Mbps - North America	MRC	$2,245.84
54151ECOM	Lumen	132-52.11546	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 3000 Mbps - North America	MRC	$2,650.94
54151ECOM	Lumen	132-52.11547	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 4000 Mbps - North America. Only Available in Select Markets	MRC	$2,981.94
54151ECOM	Lumen	132-52.11548	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 5000 Mbps - North America. Only Available in Select Markets	MRC	$3,266.90
54151ECOM	Lumen	132-52.11549	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 6000 Mbps - North America. Only Available in Select Markets	MRC	$3,519.82
54151ECOM	Lumen	132-52.11550	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 7000 Mbps - North America. Only Available in Select Markets	MRC	$3,748.88
54151ECOM	Lumen	132-52.11551	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 8000 Mbps - North America. Only Available in Select Markets	MRC	$3,959.32
54151ECOM	Lumen	132-52.11552	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 9000 Mbps - North America. Only Available in Select Markets	MRC	$4,154.72
54151ECOM	Lumen	132-52.11553	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 10000 Mbps - North America. Only Available in Select Markets	MRC	$4,305.14
54151ECOM	Lumen	132-52.11554	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 15000 Mbps - North America. Only Available in Select Markets	MRC	$5,081.69
54151ECOM	Lumen	132-52.11555	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 20000 Mbps - North America. Only Available in Select Markets	MRC	$5,716.21
54151ECOM	Lumen	132-52.11556	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 25000 Mbps - North America. Only Available in Select Markets	MRC	$6,262.46
54151ECOM	Lumen	132-52.11557	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 30000 Mbps - North America. Only Available in Select Markets	MRC	$6,747.30

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54151ECOM	Lumen	132-52.11558	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 35000 Mbps - North America. Only Available in Select Markets	MRC	$7,186.40
54151ECOM	Lumen	132-52.11559	E-LAN EVC Endpoint - EVP-LAN - Dedicated CoS - Inter-Market - 40000 Mbps - North America. Only Available in Select Markets	MRC	$7,589.79
54151ECOM	Lumen	132-52.11560	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 2 Mbps - North America	MRC	$127.83
54151ECOM	Lumen	132-52.11561	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 4 Mbps - North America	MRC	$169.73
54151ECOM	Lumen	132-52.11562	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 6 Mbps - North America	MRC	$200.35
54151ECOM	Lumen	132-52.11563	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 8 Mbps - North America	MRC	$225.37
54151ECOM	Lumen	132-52.11564	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 10 Mbps - North America	MRC	$246.90
54151ECOM	Lumen	132-52.11565	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 15 Mbps - North America	MRC	$291.44
54151ECOM	Lumen	132-52.11566	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 20 Mbps - North America	MRC	$327.83
54151ECOM	Lumen	132-52.11567	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 25 Mbps - North America	MRC	$359.16
54151ECOM	Lumen	132-52.11568	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 30 Mbps - North America	MRC	$386.96
54151ECOM	Lumen	132-52.11569	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 35 Mbps - North America	MRC	$412.15
54151ECOM	Lumen	132-52.11570	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 40 Mbps - North America	MRC	$435.28
54151ECOM	Lumen	132-52.11571	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 45 Mbps - North America	MRC	$456.76
54151ECOM	Lumen	132-52.11572	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 50 Mbps - North America	MRC	$476.88
54151ECOM	Lumen	132-52.11573	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 55 Mbps - North America	MRC	$495.83
54151ECOM	Lumen	132-52.11574	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 60 Mbps - North America	MRC	$513.80
54151ECOM	Lumen	132-52.11575	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 65 Mbps - North America	MRC	$530.90
54151ECOM	Lumen	132-52.11576	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 70 Mbps - North America	MRC	$547.23
54151ECOM	Lumen	132-52.11577	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 75 Mbps - North America	MRC	$562.90
54151ECOM	Lumen	132-52.11578	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 80 Mbps - North America	MRC	$577.95
54151ECOM	Lumen	132-52.11579	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 85 Mbps - North America	MRC	$592.46
54151ECOM	Lumen	132-52.11580	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 90 Mbps - North America	MRC	$606.48
54151ECOM	Lumen	132-52.11581	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 95 Mbps - North America	MRC	$620.04
54151ECOM	Lumen	132-52.11582	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 100 Mbps - North America	MRC	$633.18
54151ECOM	Lumen	132-52.11583	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 150 Mbps - North America	MRC	$747.39
54151ECOM	Lumen	132-52.11584	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 200 Mbps - North America	MRC	$840.72
54151ECOM	Lumen	132-52.11585	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 250 Mbps - North America	MRC	$921.05
54151ECOM	Lumen	132-52.11586	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 300 Mbps - North America	MRC	$992.36
54151ECOM	Lumen	132-52.11587	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 350 Mbps - North America	MRC	$1,056.94
54151ECOM	Lumen	132-52.11588	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 400 Mbps - North America	MRC	$1,116.27
54151ECOM	Lumen	132-52.11589	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 450 Mbps - North America	MRC	$1,171.36
54151ECOM	Lumen	132-52.11590	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 500 Mbps - North America	MRC	$1,222.94

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54151ECOM	Lumen	132-52.11591	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 550 Mbps - North America	MRC	$1,271.56
54151ECOM	Lumen	132-52.11592	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 600 Mbps - North America	MRC	$1,317.63
54151ECOM	Lumen	132-52.11593	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 650 Mbps - North America	MRC	$1,361.47
54151ECOM	Lumen	132-52.11594	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 700 Mbps - North America	MRC	$1,403.37
54151ECOM	Lumen	132-52.11595	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 750 Mbps - North America	MRC	$1,443.54
54151ECOM	Lumen	132-52.11596	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 800 Mbps - North America	MRC	$1,482.15
54151ECOM	Lumen	132-52.11597	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 850 Mbps - North America	MRC	$1,519.36
54151ECOM	Lumen	132-52.11598	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 900 Mbps - North America	MRC	$1,555.30
54151ECOM	Lumen	132-52.11599	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 950 Mbps - North America	MRC	$1,590.07
54151ECOM	Lumen	132-52.11600	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 1000 Mbps - North America	MRC	$1,623.78
54151ECOM	Lumen	132-52.11601	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 2000 Mbps - North America	MRC	$2,156.00
54151ECOM	Lumen	132-52.11602	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 3000 Mbps - North America	MRC	$2,544.90
54151ECOM	Lumen	132-52.11603	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 4000 Mbps - North America. Only Available in Select Markets	MRC	$2,862.66
54151ECOM	Lumen	132-52.11604	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 5000 Mbps - North America. Only Available in Select Markets	MRC	$3,136.22
54151ECOM	Lumen	132-52.11605	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 6000 Mbps - North America. Only Available in Select Markets	MRC	$3,379.03
54151ECOM	Lumen	132-52.11606	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 7000 Mbps - North America. Only Available in Select Markets	MRC	$3,598.93
54151ECOM	Lumen	132-52.11607	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 8000 Mbps - North America. Only Available in Select Markets	MRC	$3,800.95
54151ECOM	Lumen	132-52.11608	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 9000 Mbps - North America. Only Available in Select Markets	MRC	$3,988.53
54151ECOM	Lumen	132-52.11609	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 10000 Mbps - North America. Only Available in Select Markets	MRC	$4,132.93
54151ECOM	Lumen	132-52.11610	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 15000 Mbps - North America. Only Available in Select Markets	MRC	$4,878.43
54151ECOM	Lumen	132-52.11611	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 20000 Mbps - North America. Only Available in Select Markets	MRC	$5,487.57
54151ECOM	Lumen	132-52.11612	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 25000 Mbps - North America. Only Available in Select Markets	MRC	$6,011.96
54151ECOM	Lumen	132-52.11613	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 30000 Mbps - North America. Only Available in Select Markets	MRC	$6,477.41
54151ECOM	Lumen	132-52.11614	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 35000 Mbps - North America. Only Available in Select Markets	MRC	$6,898.94
54151ECOM	Lumen	132-52.11615	E-LAN EVC Endpoint - EVP-LAN - Multi-CoS - Inter-Market - 40000 Mbps - North America. Only Available in Select Markets	MRC	$7,286.20
54151ECOM	Lumen	132-52.11616	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 2 Mbps - North America	MRC	$138.49
54151ECOM	Lumen	132-52.11617	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 4 Mbps - North America	MRC	$183.88
54151ECOM	Lumen	132-52.11618	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 6 Mbps - North America	MRC	$217.05
54151ECOM	Lumen	132-52.11619	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 8 Mbps - North America	MRC	$244.15
54151ECOM	Lumen	132-52.11620	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 10 Mbps - North America	MRC	$267.48
54151ECOM	Lumen	132-52.11621	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 15 Mbps - North America	MRC	$315.73
54151ECOM	Lumen	132-52.11622	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 20 Mbps - North America	MRC	$355.15
54151ECOM	Lumen	132-52.11623	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 25 Mbps - North America	MRC	$389.09

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54151ECOM	Lumen	132-52.11624	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 30 Mbps - North America	MRC	$419.21
54151ECOM	Lumen	132-52.11625	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 35 Mbps - North America	MRC	$446.49
54151ECOM	Lumen	132-52.11626	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 40 Mbps - North America	MRC	$471.56
54151ECOM	Lumen	132-52.11627	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 45 Mbps - North America	MRC	$494.83
54151ECOM	Lumen	132-52.11628	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 50 Mbps - North America	MRC	$516.62
54151ECOM	Lumen	132-52.11629	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 55 Mbps - North America	MRC	$537.15
54151ECOM	Lumen	132-52.11630	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 60 Mbps - North America	MRC	$556.61
54151ECOM	Lumen	132-52.11631	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 65 Mbps - North America	MRC	$575.14
54151ECOM	Lumen	132-52.11632	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 70 Mbps - North America	MRC	$592.84
54151ECOM	Lumen	132-52.11633	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 75 Mbps - North America	MRC	$609.80
54151ECOM	Lumen	132-52.11634	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 80 Mbps - North America	MRC	$626.11
54151ECOM	Lumen	132-52.11635	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 85 Mbps - North America	MRC	$641.83
54151ECOM	Lumen	132-52.11636	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 90 Mbps - North America	MRC	$657.01
54151ECOM	Lumen	132-52.11637	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 95 Mbps - North America	MRC	$671.71
54151ECOM	Lumen	132-52.11638	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 100 Mbps - North America	MRC	$685.95
54151ECOM	Lumen	132-52.11639	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 150 Mbps - North America	MRC	$809.68
54151ECOM	Lumen	132-52.11640	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 200 Mbps - North America	MRC	$910.78
54151ECOM	Lumen	132-52.11641	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 250 Mbps - North America	MRC	$997.81
54151ECOM	Lumen	132-52.11642	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 300 Mbps - North America	MRC	$1,075.06
54151ECOM	Lumen	132-52.11643	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 350 Mbps - North America	MRC	$1,145.02
54151ECOM	Lumen	132-52.11644	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 400 Mbps - North America	MRC	$1,209.30
54151ECOM	Lumen	132-52.11645	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 450 Mbps - North America	MRC	$1,268.98
54151ECOM	Lumen	132-52.11646	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 500 Mbps - North America	MRC	$1,324.86
54151ECOM	Lumen	132-52.11647	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 550 Mbps - North America	MRC	$1,377.52
54151ECOM	Lumen	132-52.11648	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 600 Mbps - North America	MRC	$1,427.43
54151ECOM	Lumen	132-52.11649	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 650 Mbps - North America	MRC	$1,474.93
54151ECOM	Lumen	132-52.11650	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 700 Mbps - North America	MRC	$1,520.32
54151ECOM	Lumen	132-52.11651	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 750 Mbps - North America	MRC	$1,563.83
54151ECOM	Lumen	132-52.11652	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 800 Mbps - North America	MRC	$1,605.66
54151ECOM	Lumen	132-52.11653	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 850 Mbps - North America	MRC	$1,645.97
54151ECOM	Lumen	132-52.11654	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 900 Mbps - North America	MRC	$1,684.90
54151ECOM	Lumen	132-52.11655	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 950 Mbps - North America	MRC	$1,722.58
54151ECOM	Lumen	132-52.11656	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 1000 Mbps - North America	MRC	$1,759.10

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.11657	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 2000 Mbps - North America	MRC	$2,335.67
54151ECOM	Lumen	132-52.11658	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 3000 Mbps - North America	MRC	$2,756.97
54151ECOM	Lumen	132-52.11659	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 4000 Mbps - North America. Only Available in Select Markets	MRC	$3,101.22
54151ECOM	Lumen	132-52.11660	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 5000 Mbps - North America. Only Available in Select Markets	MRC	$3,397.57
54151ECOM	Lumen	132-52.11661	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 6000 Mbps - North America. Only Available in Select Markets	MRC	$3,660.61
54151ECOM	Lumen	132-52.11662	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 7000 Mbps - North America. Only Available in Select Markets	MRC	$3,898.84
54151ECOM	Lumen	132-52.11663	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 8000 Mbps - North America. Only Available in Select Markets	MRC	$4,117.69
54151ECOM	Lumen	132-52.11664	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 9000 Mbps - North America. Only Available in Select Markets	MRC	$4,320.91
54151ECOM	Lumen	132-52.11665	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 10000 Mbps - North America. Only Available in Select Markets	MRC	$4,477.35
54151ECOM	Lumen	132-52.11666	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 15000 Mbps - North America. Only Available in Select Markets	MRC	$5,284.96
54151ECOM	Lumen	132-52.11667	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 20000 Mbps - North America. Only Available in Select Markets	MRC	$5,944.86
54151ECOM	Lumen	132-52.11668	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 25000 Mbps - North America. Only Available in Select Markets	MRC	$6,512.95
54151ECOM	Lumen	132-52.11669	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 30000 Mbps - North America. Only Available in Select Markets	MRC	$7,017.19
54151ECOM	Lumen	132-52.11670	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 35000 Mbps - North America. Only Available in Select Markets	MRC	$7,473.85
54151ECOM	Lumen	132-52.11671	E-LAN EVC Endpoint - EP-LAN - Dedicated CoS - Inter-Market - 40000 Mbps - North America. Only Available in Select Markets	MRC	$7,893.38
54151ECOM	Lumen	132-52.11672	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 2 Mbps - North America	MRC	$132.95
54151ECOM	Lumen	132-52.11673	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 4 Mbps - North America	MRC	$176.52
54151ECOM	Lumen	132-52.11674	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 6 Mbps - North America	MRC	$208.37
54151ECOM	Lumen	132-52.11675	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 8 Mbps - North America	MRC	$234.38
54151ECOM	Lumen	132-52.11676	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 10 Mbps - North America	MRC	$256.78
54151ECOM	Lumen	132-52.11677	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 15 Mbps - North America	MRC	$303.10
54151ECOM	Lumen	132-52.11678	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 20 Mbps - North America	MRC	$340.94
54151ECOM	Lumen	132-52.11679	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 25 Mbps - North America	MRC	$373.52
54151ECOM	Lumen	132-52.11680	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 30 Mbps - North America	MRC	$402.44
54151ECOM	Lumen	132-52.11681	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 35 Mbps - North America	MRC	$428.63
54151ECOM	Lumen	132-52.11682	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 40 Mbps - North America	MRC	$452.69
54151ECOM	Lumen	132-52.11683	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 45 Mbps - North America	MRC	$475.03
54151ECOM	Lumen	132-52.11684	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 50 Mbps - North America	MRC	$495.95
54151ECOM	Lumen	132-52.11685	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 55 Mbps - North America	MRC	$515.67
54151ECOM	Lumen	132-52.11686	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 60 Mbps - North America	MRC	$534.35
54151ECOM	Lumen	132-52.11687	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 65 Mbps - North America	MRC	$552.13
54151ECOM	Lumen	132-52.11688	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 70 Mbps - North America	MRC	$569.12
54151ECOM	Lumen	132-52.11689	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 75 Mbps - North America	MRC	$585.41

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54151ECOM	Lumen	132-52.11690	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 80 Mbps - North America	MRC	$601.07
54151ECOM	Lumen	132-52.11691	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 85 Mbps - North America	MRC	$616.16
54151ECOM	Lumen	132-52.11692	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 90 Mbps - North America	MRC	$630.73
54151ECOM	Lumen	132-52.11693	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 95 Mbps - North America	MRC	$644.84
54151ECOM	Lumen	132-52.11694	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 100 Mbps - North America	MRC	$658.51
54151ECOM	Lumen	132-52.11695	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 150 Mbps - North America	MRC	$777.29
54151ECOM	Lumen	132-52.11696	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 200 Mbps - North America	MRC	$874.34
54151ECOM	Lumen	132-52.11697	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 250 Mbps - North America	MRC	$957.90
54151ECOM	Lumen	132-52.11698	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 300 Mbps - North America	MRC	$1,032.06
54151ECOM	Lumen	132-52.11699	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 350 Mbps - North America	MRC	$1,099.22
54151ECOM	Lumen	132-52.11700	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 400 Mbps - North America	MRC	$1,160.92
54151ECOM	Lumen	132-52.11701	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 450 Mbps - North America	MRC	$1,218.22
54151ECOM	Lumen	132-52.11702	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 500 Mbps - North America	MRC	$1,271.86
54151ECOM	Lumen	132-52.11703	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 550 Mbps - North America	MRC	$1,322.42
54151ECOM	Lumen	132-52.11704	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 600 Mbps - North America	MRC	$1,370.33
54151ECOM	Lumen	132-52.11705	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 650 Mbps - North America	MRC	$1,415.93
54151ECOM	Lumen	132-52.11706	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 700 Mbps - North America	MRC	$1,459.51
54151ECOM	Lumen	132-52.11707	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 750 Mbps - North America	MRC	$1,501.28
54151ECOM	Lumen	132-52.11708	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 800 Mbps - North America	MRC	$1,541.43
54151ECOM	Lumen	132-52.11709	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 850 Mbps - North America	MRC	$1,580.13
54151ECOM	Lumen	132-52.11710	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 900 Mbps - North America	MRC	$1,617.51
54151ECOM	Lumen	132-52.11711	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 950 Mbps - North America	MRC	$1,653.68
54151ECOM	Lumen	132-52.11712	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 1000 Mbps - North America	MRC	$1,688.73
54151ECOM	Lumen	132-52.11713	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 2000 Mbps - North America	MRC	$2,242.24
54151ECOM	Lumen	132-52.11714	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 3000 Mbps - North America	MRC	$2,646.70
54151ECOM	Lumen	132-52.11715	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 4000 Mbps - North America. Only Available in Select Markets	MRC	$2,977.17
54151ECOM	Lumen	132-52.11716	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 5000 Mbps - North America. Only Available in Select Markets	MRC	$3,261.67
54151ECOM	Lumen	132-52.11717	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 6000 Mbps - North America. Only Available in Select Markets	MRC	$3,514.19
54151ECOM	Lumen	132-52.11718	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 7000 Mbps - North America. Only Available in Select Markets	MRC	$3,742.88
54151ECOM	Lumen	132-52.11719	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 8000 Mbps - North America. Only Available in Select Markets	MRC	$3,952.98
54151ECOM	Lumen	132-52.11720	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 9000 Mbps - North America. Only Available in Select Markets	MRC	$4,148.07
54151ECOM	Lumen	132-52.11721	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 10000 Mbps - North America. Only Available in Select Markets	MRC	$4,298.25
54151ECOM	Lumen	132-52.11722	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 15000 Mbps - North America. Only Available in Select Markets	MRC	$5,073.56

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54151ECOM	Lumen	132-52.11723	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 20000 Mbps - North America. Only Available in Select Markets	MRC	$5,707.07
54151ECOM	Lumen	132-52.11724	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 25000 Mbps - North America. Only Available in Select Markets	MRC	$6,252.44
54151ECOM	Lumen	132-52.11725	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 30000 Mbps - North America. Only Available in Select Markets	MRC	$6,736.50
54151ECOM	Lumen	132-52.11726	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 35000 Mbps - North America. Only Available in Select Markets	MRC	$7,174.90
54151ECOM	Lumen	132-52.11727	E-LAN EVC Endpoint - EP-LAN - Multi-CoS - Inter-Market - 40000 Mbps - North America. Only Available in Select Markets	MRC	$7,577.65

3.7.24 Customer Premises Based Firewall

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9895	Customer Policy & Migration Support (MRC) ADD-ON	MRC	$ 196.03
54151ECOM	Lumen	132-52.9896	Customer Policy & Migration Support (NRC) ADD-ON	NRC	$ 716.37
54151ECOM	Lumen	132-52.9897	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1010 (MRC)	MRC	$ 560.36
54151ECOM	Lumen	132-52.9898	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1120 (MRC)	MRC	$ 748.65
54151ECOM	Lumen	132-52.9899	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1140 (MRC)	MRC	$ 846.67
54151ECOM	Lumen	132-52.9900	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2110 (MRC)	MRC	$ 1,040.12
54151ECOM	Lumen	132-52.9901	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2120 (MRC)	MRC	$ 1,329.65
54151ECOM	Lumen	132-52.9902	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2130 (MRC)	MRC	$ 1,625.63
54151ECOM	Lumen	132-52.9903	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2140 (MRC)	MRC	$ 144.30
54151ECOM	Lumen	132-52.9904	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 1010 (MRC)	MRC	$ 221.18
54151ECOM	Lumen	132-52.9905	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 1120 (MRC)	MRC	$ 246.33
54151ECOM	Lumen	132-52.9906	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 1140 (MRC)	MRC	$ 268.90
54151ECOM	Lumen	132-52.9907	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2110 (MRC)	MRC	$ 270.83
54151ECOM	Lumen	132-52.9908	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2120 (MRC)	MRC	$ 318.55
54151ECOM	Lumen	132-52.9909	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2130 (MRC)	MRC	$ 372.07
54151ECOM	Lumen	132-52.9910	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2140 (MRC)	MRC	$ 559.72
54151ECOM	Lumen	132-52.9911	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1010 (NRC)	NRC	$ 716.37
54151ECOM	Lumen	132-52.9912	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1120 (NRC)	NRC	$ 1,034.76
54151ECOM	Lumen	132-52.9913	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1140 (NRC)	NRC	$ 1,114.36
54151ECOM	Lumen	132-52.9914	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2110 (NRC)	NRC	$ 1,273.55
54151ECOM	Lumen	132-52.9915	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2120 (NRC)	NRC	$ 1,671.54
54151ECOM	Lumen	132-52.9916	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2130 (NRC)	NRC	$ 2,069.52
54151ECOM	Lumen	132-52.9917	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2140 (NRC)	NRC	$ 3,502.27
54151ECOM	Lumen	132-52.9918	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 1010 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.9919	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 1120 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.9920	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 1140 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.9921	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2110 (NRC)	NRC	$ 238.79

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54151ECOM	Lumen	132-52.9922	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2120 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.9923	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2130 (NRC)	NRC	$ 318.39
54151ECOM	Lumen	132-52.9924	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2140 (NRC)	NRC	$ 397.98
54151ECOM	Lumen	132-52.9926	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4115 (MRC)	MRC	$ 5,449.51
54151ECOM	Lumen	132-52.9927	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4125 (MRC)	MRC	$ 7,654.21
54151ECOM	Lumen	132-52.9928	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4145 (MRC)	MRC	$ 11,717.32
54151ECOM	Lumen	132-52.9929	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 9300 – SM24 (MRC)	MRC	$ 7,823.80
54151ECOM	Lumen	132-52.9931	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 4115 (MRC)	MRC	$ 819.59
54151ECOM	Lumen	132-52.9932	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 4125 (MRC)	MRC	$ 1,174.25
54151ECOM	Lumen	132-52.9933	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 4145 (MRC)	MRC	$ 1,519.88
54151ECOM	Lumen	132-52.9934	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 9300 – SM24 (MRC)	MRC	$ 1,014.33
54151ECOM	Lumen	132-52.9936	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4115 (NRC)	NRC	$ 7,322.92
54151ECOM	Lumen	132-52.9937	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4125 (NRC)	NRC	$ 10,108.82
54151ECOM	Lumen	132-52.9938	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4145 (NRC)	NRC	$ 17,113.35
54151ECOM	Lumen	132-52.9939	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 9300 – SM24 (NRC)	NRC	$ 6,288.16
54151ECOM	Lumen	132-52.9941	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 4115 (NRC)	NRC	$ 557.18
54151ECOM	Lumen	132-52.9942	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 4125 (NRC)	NRC	$ 795.97
54151ECOM	Lumen	132-52.9943	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 4145 (NRC)	NRC	$ 1,034.76
54151ECOM	Lumen	132-52.9944	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 9300 – SM24 (NRC)	NRC	$ 716.37
54151ECOM	Lumen	132-52.9945	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability Failover + IPS—FPR 1010 (MRC)	MRC	$ 743.50
54151ECOM	Lumen	132-52.9946	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 1120 (MRC)	MRC	$ 1,016.91
54151ECOM	Lumen	132-52.9947	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 1140 (MRC)	MRC	$ 1,212.94
54151ECOM	Lumen	132-52.9948	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 2110 (MRC)	MRC	$ 1,502.47
54151ECOM	Lumen	132-52.9949	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 2120 (MRC)	MRC	$ 2,081.53
54151ECOM	Lumen	132-52.9950	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 2130 (MRC)	MRC	$ 2,674.14
54151ECOM	Lumen	132-52.9951	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 2140 (MRC)	MRC	$ 4,745.99
54151ECOM	Lumen	132-52.9952	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 1010 (MRC)	MRC	$ 230.21
54151ECOM	Lumen	132-52.9953	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 1120 (MRC)	MRC	$ 280.50
54151ECOM	Lumen	132-52.9954	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 1140 (MRC)	MRC	$ 326.29
54151ECOM	Lumen	132-52.9955	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 2110 (MRC)	MRC	$ 329.51
54151ECOM	Lumen	132-52.9956	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 2120 (MRC)	MRC	$ 426.24

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9957	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 2130 (MRC)	MRC	$ 532.63
54151ECOM	Lumen	132-52.9958	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 2140 (MRC)	MRC	$ 907.28
54151ECOM	Lumen	132-52.9959	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 1010 (NRC)	NRC	$ 1,034.76
54151ECOM	Lumen	132-52.9960	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 1120 (NRC)	NRC	$ 1,432.75
54151ECOM	Lumen	132-52.9961	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 1140 (NRC)	NRC	$ 1,751.13
54151ECOM	Lumen	132-52.9962	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 2110 (NRC)	NRC	$ 1,989.92
54151ECOM	Lumen	132-52.9963	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 2120 (NRC)	NRC	$ 2,785.89
54151ECOM	Lumen	132-52.9964	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 2130 (NRC)	NRC	$ 3,581.86
54151ECOM	Lumen	132-52.9965	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 2140 (NRC)	NRC	$ 6,447.36
54151ECOM	Lumen	132-52.9966	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features URL—FPR 1010 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.9967	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features URL—FPR 1120 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.9968	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features URL—FPR 1140 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.9969	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features URL—FPR 2110 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.9970	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features URL—FPR 2120 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.9971	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features URL—FPR 2130 (NRC)	NRC	$ 318.39
54151ECOM	Lumen	132-52.9972	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features URL—FPR 2140 (NRC)	NRC	$ 397.98
54151ECOM	Lumen	132-52.9974	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 4115 (MRC)	MRC	$ 9,379.14
54151ECOM	Lumen	132-52.9975	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 4125 (MRC)	MRC	$ 13,787.89
54151ECOM	Lumen	132-52.9976	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 4145 (MRC)	MRC	$ 21,930.24
54151ECOM	Lumen	132-52.9977	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 9300 – SM24 (MRC)	MRC	$ 13,025.69
54151ECOM	Lumen	132-52.9979	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 4115 (MRC)	MRC	$ 1,427.02
54151ECOM	Lumen	132-52.9980	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 4125 (MRC)	MRC	$ 2,136.34
54151ECOM	Lumen	132-52.9981	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 4145 (MRC)	MRC	$ 2,830.83
54151ECOM	Lumen	132-52.9982	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 9300 – SM24 (MRC)	MRC	$ 1,817.79
54151ECOM	Lumen	132-52.9984	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 4115 (NRC)	NRC	$ 12,417.13
54151ECOM	Lumen	132-52.9985	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 4125 (NRC)	NRC	$ 18,148.11
54151ECOM	Lumen	132-52.9986	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 4145 (NRC)	NRC	$ 32,157.18
54151ECOM	Lumen	132-52.9987	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 9300 – SM24 (NRC)	NRC	$ 19,023.68
54151ECOM	Lumen	132-52.9989	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features URL—FPR 4115 (NRC)	NRC	$ 955.16
54151ECOM	Lumen	132-52.9990	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features URL—FPR 4125 (NRC)	NRC	$ 1,353.15

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54151ECOM	Lumen	132-52.9991	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features URL—FPR 4145 (NRC)	NRC	$ 1,830.73
54151ECOM	Lumen	132-52.9992	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features URL—FPR 9300 – SM24 (NRC)	NRC	$ 1,193.95
54151ECOM	Lumen	132-52.9993	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 5 (MRC)	MRC	$ 37.40
54151ECOM	Lumen	132-52.9994	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 10 (MRC)	MRC	$ 37.40
54151ECOM	Lumen	132-52.9995	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 15 (MRC)	MRC	$ 37.40
54151ECOM	Lumen	132-52.9996	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 20 (MRC)	MRC	$ 37.40
54151ECOM	Lumen	132-52.9997	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 30 (MRC)	MRC	$ 63.19
54151ECOM	Lumen	132-52.9998	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 40 (MRC)	MRC	$ 63.19
54151ECOM	Lumen	132-52.9999	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 50 (MRC)	MRC	$ 63.19
54151ECOM	Lumen	132-52.10000	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 60 (MRC)	MRC	$ 98.66
54151ECOM	Lumen	132-52.10001	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 70 (MRC)	MRC	$ 98.66
54151ECOM	Lumen	132-52.10002	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 100 (MRC)	MRC	$ 98.66
54151ECOM	Lumen	132-52.10003	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 250 (MRC)	MRC	$ 149.60
54151ECOM	Lumen	132-52.10004	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 500 (MRC)	MRC	$ 215.38
54151ECOM	Lumen	132-52.10005	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 1000 (MRC)	MRC	$ 334.67
54151ECOM	Lumen	132-52.10006	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 1500 (MRC)	MRC	$ 496.52
54151ECOM	Lumen	132-52.10007	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 2500 (MRC)	MRC	$ 689.97
54151ECOM	Lumen	132-52.10008	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 3500 (MRC)	MRC	$ 826.04
54151ECOM	Lumen	132-52.10009	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 5000 (MRC)	MRC	$ 956.94
54151ECOM	Lumen	132-52.10010	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 10000 (MRC)	MRC	$ 1,555.35
54151ECOM	Lumen	132-52.10011	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 25000 (MRC)	MRC	$ 3,275.77
54151ECOM	Lumen	132-52.10012	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 50000 (MRC)	MRC	$ 5,178.04
54151ECOM	Lumen	132-52.10013	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 100000 (MRC)	MRC	$ 7,241.51
54151ECOM	Lumen	132-52.10014	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 250000 (MRC)	MRC	$ 10,852.59
54151ECOM	Lumen	132-52.10015	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 5 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10016	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 10 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10017	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 15 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10018	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 20 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10019	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 30 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10020	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 40 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10021	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 50 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10022	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 60 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10023	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 70 (NRC)	NRC	$ 238.79

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10024	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 100 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10025	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 250 (NRC)	NRC	$ 318.39
54151ECOM	Lumen	132-52.10026	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 500 (NRC)	NRC	$ 477.58
54151ECOM	Lumen	132-52.10027	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 1000 (NRC)	NRC	$ 636.78
54151ECOM	Lumen	132-52.10028	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 1500 (NRC)	NRC	$ 955.16
54151ECOM	Lumen	132-52.10029	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 2500 (NRC)	NRC	$ 1,353.15
54151ECOM	Lumen	132-52.10030	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 3500 (NRC)	NRC	$ 1,591.94
54151ECOM	Lumen	132-52.10031	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 5000 (NRC)	NRC	$ 1,830.73
54151ECOM	Lumen	132-52.10032	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 10000 (NRC)	NRC	$ 2,945.09
54151ECOM	Lumen	132-52.10033	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 25000 (NRC)	NRC	$ 6,128.97
54151ECOM	Lumen	132-52.10034	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 50000 (NRC)	NRC	$ 9,631.23
54151ECOM	Lumen	132-52.10035	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 100000 (NRC)	NRC	$ 13,451.89
54151ECOM	Lumen	132-52.10036	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 250000 (NRC)	NRC	$ 20,138.04
54151ECOM	Lumen	132-52.10037	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 220 (MRC)	MRC	$ 539.08
54151ECOM	Lumen	132-52.10038	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 820 (MRC)	MRC	$ 730.60
54151ECOM	Lumen	132-52.10039	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 850 (MRC)	MRC	$ 997.56
54151ECOM	Lumen	132-52.10040	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 3220 (MRC)	MRC	$ 1,559.21
54151ECOM	Lumen	132-52.10041	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 3250 (MRC)	MRC	$ 1,944.83
54151ECOM	Lumen	132-52.10042	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 5220 (MRC)	MRC	$ 3,399.58
54151ECOM	Lumen	132-52.10043	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 5250 (MRC)	MRC	$ 6,141.42
54151ECOM	Lumen	132-52.10044	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 220 (MRC)	MRC	$ 209.57
54151ECOM	Lumen	132-52.10045	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 820 (MRC)	MRC	$ 283.08
54151ECOM	Lumen	132-52.10046	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 850 (MRC)	MRC	$ 377.23
54151ECOM	Lumen	132-52.10047	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 3220 (MRC)	MRC	$ 566.17
54151ECOM	Lumen	132-52.10048	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 3250 (MRC)	MRC	$ 713.83
54151ECOM	Lumen	132-52.10049	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 5220 (MRC)	MRC	$ 1,230.35
54151ECOM	Lumen	132-52.10050	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 5250 (MRC)	MRC	$ 2,270.47
54151ECOM	Lumen	132-52.10051	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 220 (MRC)	MRC	$ 209.57
54151ECOM	Lumen	132-52.10052	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 820 (MRC)	MRC	$ 283.08
54151ECOM	Lumen	132-52.10053	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 850 (MRC)	MRC	$ 377.23
54151ECOM	Lumen	132-52.10054	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 3220 (MRC)	MRC	$ 566.17
54151ECOM	Lumen	132-52.10055	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 3250 (MRC)	MRC	$ 713.83
54151ECOM	Lumen	132-52.10056	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 5220 (MRC)	MRC	$ 1,230.35

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54151ECOM	Lumen	132-52.10057	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 5250 (MRC)	MRC	$ 2,270.47
54151ECOM	Lumen	132-52.10058	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 220 (NRC)	NRC	$ 795.97
54151ECOM	Lumen	132-52.10059	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 820 (NRC)	NRC	$ 875.57
54151ECOM	Lumen	132-52.10060	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 850 (NRC)	NRC	$ 1,114.36
54151ECOM	Lumen	132-52.10061	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 3220 (NRC)	NRC	$ 1,512.34
54151ECOM	Lumen	132-52.10062	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 3250 (NRC)	NRC	$ 1,830.73
54151ECOM	Lumen	132-52.10063	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 5220 (NRC)	NRC	$ 2,865.49
54151ECOM	Lumen	132-52.10064	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 5250 (NRC)	NRC	$ 5,014.61
54151ECOM	Lumen	132-52.10065	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 220 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10066	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 820 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10067	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 850 (NRC)	NRC	$ 359.78
54151ECOM	Lumen	132-52.10068	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 3220 (NRC)	NRC	$ 361.37
54151ECOM	Lumen	132-52.10069	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 3250 (NRC)	NRC	$ 362.96
54151ECOM	Lumen	132-52.10070	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 5220 (NRC)	NRC	$ 364.55
54151ECOM	Lumen	132-52.10071	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 5250 (NRC)	NRC	$ 366.15
54151ECOM	Lumen	132-52.10072	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 220 (MRC)	MRC	$ 728.02
54151ECOM	Lumen	132-52.10073	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 820 (MRC)	MRC	$ 1,111.05
54151ECOM	Lumen	132-52.10074	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 850 (MRC)	MRC	$ 1,644.33
54151ECOM	Lumen	132-52.10075	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 3220 (MRC)	MRC	$ 2,679.94
54151ECOM	Lumen	132-52.10076	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 3250 (MRC)	MRC	$ 3,448.58
54151ECOM	Lumen	132-52.10077	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 5220 (MRC)	MRC	$ 6,274.26
54151ECOM	Lumen	132-52.10078	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 5250 (MRC)	MRC	$ 11,750.85
54151ECOM	Lumen	132-52.10079	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 220 (MRC)	MRC	$ 230.85
54151ECOM	Lumen	132-52.10080	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 820 (MRC)	MRC	$ 377.23
54151ECOM	Lumen	132-52.10081	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 850 (MRC)	MRC	$ 566.17
54151ECOM	Lumen	132-52.10082	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 3220 (MRC)	MRC	$ 942.75
54151ECOM	Lumen	132-52.10083	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 3250 (MRC)	MRC	$ 1,240.66
54151ECOM	Lumen	132-52.10084	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 5220 (MRC)	MRC	$ 2,270.47
54151ECOM	Lumen	132-52.10085	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 5250 (MRC)	MRC	$ 4,355.87
54151ECOM	Lumen	132-52.10086	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 220 (MRC)	MRC	$ 230.85
54151ECOM	Lumen	132-52.10087	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 820 (MRC)	MRC	$ 377.23
54151ECOM	Lumen	132-52.10088	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 850 (MRC)	MRC	$ 566.17
54151ECOM	Lumen	132-52.10089	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 3220 (MRC)	MRC	$ 942.75

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10090	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 3250 (MRC)	MRC	$ 1,240.66
54151ECOM	Lumen	132-52.10091	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 5220 (MRC)	MRC	$ 2,270.47
54151ECOM	Lumen	132-52.10092	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 5250 (MRC)	MRC	$ 4,355.87
54151ECOM	Lumen	132-52.10093	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 220 (NRC)	NRC	$ 875.57
54151ECOM	Lumen	132-52.10094	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 820 (NRC)	NRC	$ 1,193.95
54151ECOM	Lumen	132-52.10095	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 850 (NRC)	NRC	$ 1,591.94
54151ECOM	Lumen	132-52.10096	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 3220 (NRC)	NRC	$ 2,308.31
54151ECOM	Lumen	132-52.10097	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 3250 (NRC)	NRC	$ 2,945.09
54151ECOM	Lumen	132-52.10098	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 5220 (NRC)	NRC	$ 5,014.61
54151ECOM	Lumen	132-52.10099	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 5250 (NRC)	NRC	$ 9,233.25
54151ECOM	Lumen	132-52.10100	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 220 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10101	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 820 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10102	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 850 (NRC)	NRC	$ 358.98
54151ECOM	Lumen	132-52.10103	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 3220 (NRC)	NRC	$ 360.57
54151ECOM	Lumen	132-52.10104	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 3250 (NRC)	NRC	$ 362.17
54151ECOM	Lumen	132-52.10105	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 5220 (NRC)	NRC	$ 363.76
54151ECOM	Lumen	132-52.10106	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 5250 (NRC)	NRC	$ 365.35
54151ECOM	Lumen	132-52.10107	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 220 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10108	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 820 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10109	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 850 (NRC)	NRC	$ 358.98
54151ECOM	Lumen	132-52.10110	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 3220 (NRC)	NRC	$ 360.57
54151ECOM	Lumen	132-52.10111	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 3250 (NRC)	NRC	$ 362.17
54151ECOM	Lumen	132-52.10112	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 5220 (NRC)	NRC	$ 363.76
54151ECOM	Lumen	132-52.10113	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 5250 (NRC)	NRC	$ 365.35
54151ECOM	Lumen	132-52.10114	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 220 (MRC)	MRC	$ 37.40
54151ECOM	Lumen	132-52.10115	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 820 (MRC)	MRC	$ 110.91
54151ECOM	Lumen	132-52.10116	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 850 (MRC)	MRC	$ 205.06
54151ECOM	Lumen	132-52.10117	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 3220 (MRC)	MRC	$ 393.99
54151ECOM	Lumen	132-52.10118	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 3250 (MRC)	MRC	$ 541.66
54151ECOM	Lumen	132-52.10119	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 5220 (MRC)	MRC	$ 1,058.18
54151ECOM	Lumen	132-52.10120	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 5250 (MRC)	MRC	$ 2,098.30
54151ECOM	Lumen	132-52.10121	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 220 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10122	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 820 (NRC)	NRC	$ 358.19

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54151ECOM	Lumen	132-52.10123	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 850 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10124	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 3220 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10125	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 3250 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10126	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 5220 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10127	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 5250 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10128	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 220 (MRC)	MRC	$ 58.68
54151ECOM	Lumen	132-52.10129	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 820 (MRC)	MRC	$ 205.06
54151ECOM	Lumen	132-52.10130	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 850 (MRC)	MRC	$ 393.99
54151ECOM	Lumen	132-52.10131	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 3220 (MRC)	MRC	$ 770.58
54151ECOM	Lumen	132-52.10132	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 3250 (MRC)	MRC	$ 1,068.49
54151ECOM	Lumen	132-52.10133	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 5220 (MRC)	MRC	$ 2,098.30
54151ECOM	Lumen	132-52.10134	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 5250 (MRC)	MRC	$ 4,183.70
54151ECOM	Lumen	132-52.10135	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 220 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10136	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 820 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10137	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 850 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10138	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 3220 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10139	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 3250 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10140	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 5220 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10141	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 5250 (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10144	MSS Premises (Fortinet) Greenfield Build—Single—FG 200E Large (MRC)	MRC	$ 568.75
54151ECOM	Lumen	132-52.10146	MSS Premises (Fortinet) Greenfield Build—Single—FG 2000E XX-large (MRC)	MRC	$ 2,076.37
54151ECOM	Lumen	132-52.10149	MSS Premises (Fortinet) Greenfield Build—Single—ADD-ON Features—Intrusion Protection Service—FG 200E Large (MRC)	MRC	$ 464.28
54151ECOM	Lumen	132-52.10151	MSS Premises (Fortinet) Greenfield Build—Single—ADD-ON Features—Intrusion Protection Service—FG 2000E XX-large (MRC)	MRC	$ 1,071.72
54151ECOM	Lumen	132-52.10154	MSS Premises (Fortinet) Greenfield Build—Single—ADD-ON Features—Web Content Filtering—FG 200E Large (MRC)	MRC	$ 289.53
54151ECOM	Lumen	132-52.10156	MSS Premises (Fortinet) Greenfield Build—Single—ADD-ON Features—Web Content Filtering—FG 2000E XX-large (MRC)	MRC	$ 721.57
54151ECOM	Lumen	132-52.10159	MSS Premises (Fortinet) Greenfield Build—Single—ADD-ON Features—Antivirus—FG 200E Large (MRC)	MRC	$ 103.82
54151ECOM	Lumen	132-52.10161	MSS Premises (Fortinet) Greenfield Build—Single—ADD-ON Features—Antivirus—FG 2000E XX-large (MRC)	MRC	$ 535.86
54151ECOM	Lumen	132-52.10164	MSS Premises (Fortinet) Greenfield Build—Single—ADD-ON Features—Antispam—FG 200E Large (MRC)	MRC	$ 103.82
54151ECOM	Lumen	132-52.10166	MSS Premises (Fortinet) Greenfield Build—Single—ADD-ON Features—Antispam—FG 2000E XX-large (MRC)	MRC	$ 535.86
54151ECOM	Lumen	132-52.10169	MSS Premises (Fortinet) Greenfield Build—Single—FG 200E Large (NRC)	NRC	$ 636.78
54151ECOM	Lumen	132-52.10171	MSS Premises (Fortinet) Greenfield Build—Single—FG 2000E XX-large (NRC)	NRC	$ 636.78
54151ECOM	Lumen	132-52.10174	MSS Premises (Fortinet) Greenfield Build—Single—ADD-ON Features—FG 200E Large (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10176	MSS Premises (Fortinet) Greenfield Build—Single—ADD-ON Features—FG 2000E XX-large (NRC)	NRC	$ 358.19

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54151ECOM	Lumen	132-52.10177	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1010 (MRC)	MRC	$ 526.19
54151ECOM	Lumen	132-52.10178	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1120 (MRC)	MRC	$ 628.07
54151ECOM	Lumen	132-52.10179	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1140 (MRC)	MRC	$ 628.07
54151ECOM	Lumen	132-52.10180	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2110 (MRC)	MRC	$ 724.80
54151ECOM	Lumen	132-52.10181	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2120 (MRC)	MRC	$ 724.80
54151ECOM	Lumen	132-52.10182	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2130 (MRC)	MRC	$ 724.80
54151ECOM	Lumen	132-52.10183	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2140 (MRC)	MRC	$ 724.80
54151ECOM	Lumen	132-52.10184	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 1010 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10185	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 1120 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10186	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 1140 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10187	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2110 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10188	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2120 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10189	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2130 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10190	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2140 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10191	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1010 (NRC)	NRC	$ 636.78
54151ECOM	Lumen	132-52.10192	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1120 (NRC)	NRC	$ 875.57
54151ECOM	Lumen	132-52.10193	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1140 (NRC)	NRC	$ 875.57
54151ECOM	Lumen	132-52.10194	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2110 (NRC)	NRC	$ 875.57
54151ECOM	Lumen	132-52.10195	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2120 (NRC)	NRC	$ 875.57
54151ECOM	Lumen	132-52.10196	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2130 (NRC)	NRC	$ 875.57
54151ECOM	Lumen	132-52.10197	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2140 (NRC)	NRC	$ 875.57
54151ECOM	Lumen	132-52.10198	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 1010 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10199	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 1120 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10200	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 1140 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10201	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2110 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10202	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2120 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10203	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2130 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10204	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 2140 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10205	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4110 (MRC)	MRC	$ 1,663.68
54151ECOM	Lumen	132-52.10206	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4115 (MRC)	MRC	$ 1,663.68
54151ECOM	Lumen	132-52.10207	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4125 (MRC)	MRC	$ 1,663.68
54151ECOM	Lumen	132-52.10208	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4145 (MRC)	MRC	$ 1,663.68
54151ECOM	Lumen	132-52.10209	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 9300 – SM24 (MRC)	MRC	$ 2,774.73

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54151ECOM	Lumen	132-52.10210	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 4110 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10211	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 4115 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10212	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4125 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10213	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 4145 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10214	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 9300 – SM24 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10215	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4110 (NRC)	NRC	$ 2,387.91
54151ECOM	Lumen	132-52.10216	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4115 (NRC)	NRC	$ 2,387.91
54151ECOM	Lumen	132-52.10217	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4125 (NRC)	NRC	$ 2,387.91
54151ECOM	Lumen	132-52.10218	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4145 (NRC)	NRC	$ 2,387.91
54151ECOM	Lumen	132-52.10219	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 9300 – SM24 (NRC)	NRC	$ 4,298.24
54151ECOM	Lumen	132-52.10220	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 4110 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10221	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 4115 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10222	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4125 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10223	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 4145 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10224	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—Single + IPS—ADD-ON Features URL—FPR 9300 – SM24 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10225	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Failover + IPS—FPR 1010 (MRC)	MRC	$ 675.79
54151ECOM	Lumen	132-52.10226	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 1120 (MRC)	MRC	$ 777.67
54151ECOM	Lumen	132-52.10227	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 1140 (MRC)	MRC	$ 777.67
54151ECOM	Lumen	132-52.10228	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 2110 (MRC)	MRC	$ 874.40
54151ECOM	Lumen	132-52.10229	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 2120 (MRC)	MRC	$ 874.40
54151ECOM	Lumen	132-52.10230	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 2130 (MRC)	MRC	$ 874.40
54151ECOM	Lumen	132-52.10231	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 2140 (MRC)	MRC	$ 874.40
54151ECOM	Lumen	132-52.10232	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Failover + IPS—ADD-ON Features URL—FPR 1010 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10233	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 1120 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10234	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 1140 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10235	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 2110 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10236	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 2120 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10237	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 2130 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10238	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 2140 (MRC)	MRC	$ 211.51

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54151ECOM	Lumen	132-52.10239	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Failover + IPS—FPR 1010 (NRC)	NRC	$ 955.16
54151ECOM	Lumen	132-52.10240	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 1120 (NRC)	NRC	$ 1,114.36
54151ECOM	Lumen	132-52.10241	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 1140 (NRC)	NRC	$ 1,114.36
54151ECOM	Lumen	132-52.10242	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 2110 (NRC)	NRC	$ 1,114.36
54151ECOM	Lumen	132-52.10243	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 2120 (NRC)	NRC	$ 1,114.36
54151ECOM	Lumen	132-52.10244	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 2130 (NRC)	NRC	$ 1,114.36
54151ECOM	Lumen	132-52.10245	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—FPR 2140 (NRC)	NRC	$ 1,114.36
54151ECOM	Lumen	132-52.10246	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Failover + IPS—ADD-ON Features URL—FPR 1010 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10247	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 1120 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10248	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 1140 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10249	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 2110 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10250	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 2120 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10251	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 2130 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10252	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—HIgh Availability Failover + IPS—ADD-ON Features URL—FPR 2140 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10253	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—FPR 4110 (MRC)	MRC	$ 1,811.35
54151ECOM	Lumen	132-52.10254	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—FPR 4115 (MRC)	MRC	$ 1,811.35
54151ECOM	Lumen	132-52.10255	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—FPR 4125 (MRC)	MRC	$ 1,811.35
54151ECOM	Lumen	132-52.10256	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—FPR 4145 (MRC)	MRC	$ 1,811.35
54151ECOM	Lumen	132-52.10257	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—FPR 9300 – SM24 (MRC)	MRC	$ 2,928.20
54151ECOM	Lumen	132-52.10258	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—ADD-ON Features URL—FPR 4110 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10259	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—ADD-ON Features URL—FPR 4115 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10260	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—FPR 4125 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10261	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—ADD-ON Features URL—FPR 4145 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10262	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—ADD-ON Features URL—FPR 9300 – SM24 (MRC)	MRC	$ 211.51
54151ECOM	Lumen	132-52.10263	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—FPR 4110 (NRC)	NRC	$ 2,706.30
54151ECOM	Lumen	132-52.10264	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—FPR 4115 (NRC)	NRC	$ 2,706.30
54151ECOM	Lumen	132-52.10265	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—FPR 4125 (NRC)	NRC	$ 2,706.30
54151ECOM	Lumen	132-52.10266	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—FPR 4145 (NRC)	NRC	$ 2,706.30

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10267	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—FPR 9300 – SM24 (NRC)	NRC	$ 4,537.03
54151ECOM	Lumen	132-52.10268	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—ADD-ON Features URL—FPR 4110 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10269	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—ADD-ON Features URL—FPR 4115 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10270	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—FPR 4125 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10271	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—ADD-ON Features URL—FPR 4145 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10272	Managed Cisco Firewall—CARE Greenfield Build (Firepower (FPR))—High Availability Firewall + IPS—ADD-ON Features URL—FPR 9300 – SM24 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10273	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 5 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10274	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 10 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10275	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 15 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10276	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 20 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10277	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 30 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10278	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 40 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10279	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 50 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10280	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 60 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10281	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 70 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10282	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 100 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10283	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 250 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10284	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 500 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10285	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 1000 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10286	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 1500 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10287	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 2500 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10288	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 3500 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10289	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 5000 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10290	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 10000 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10291	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 25000 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10292	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 50000 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10293	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 100000 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10294	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 250000 (MRC)	MRC	$ 11.61
54151ECOM	Lumen	132-52.10295	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 5 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10296	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 10 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10297	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 15 (NRC)	NRC	$ 79.60

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10298	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 20 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10299	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 30 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10300	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 40 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10301	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 50 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10302	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 60 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10303	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 70 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10304	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 100 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10305	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 250 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10306	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 500 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10307	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 1000 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10308	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 500 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10309	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 2500 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10310	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 3500 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10311	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 5000 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10312	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 10000 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10313	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 25000 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10314	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 50000 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10315	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 100000 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10316	Managed Cisco Firewall—CARE—SSL-VPN Remote Access—AnyConnect Client 250000 (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10317	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—PA 220 (MRC)	MRC	$ 476.53
54151ECOM	Lumen	132-52.10318	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—PA 820 (MRC)	MRC	$ 476.53
54151ECOM	Lumen	132-52.10319	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—PA 850 (MRC)	MRC	$ 476.53
54151ECOM	Lumen	132-52.10320	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—PA 3220 (MRC)	MRC	$ 565.52
54151ECOM	Lumen	132-52.10321	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—PA 3250 (MRC)	MRC	$ 565.52
54151ECOM	Lumen	132-52.10322	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—PA 5220 (MRC)	MRC	$ 653.86
54151ECOM	Lumen	132-52.10323	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—PA 5250 (MRC)	MRC	$ 653.86
54151ECOM	Lumen	132-52.10324	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features URL—PA 220 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10325	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features URL—PA 820 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10326	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features URL—PA 850 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10327	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features URL—PA 3220 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10328	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features URL—PA 3250 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10329	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features URL—PA 5220 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10330	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features URL—PA 5250 (MRC)	MRC	$ 188.94

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10331	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features WILDFIRE—PA 220 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10332	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features WILDFIRE—PA 820 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10333	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features WILDFIRE—PA 850 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10334	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features WILDFIRE—PA 3220 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10335	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features WILDFIRE—PA 3250 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10336	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features WILDFIRE—PA 5220 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10337	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features WILDFIRE—PA 5250 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10338	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—PA 220 (NRC)	NRC	$ 716.37
54151ECOM	Lumen	132-52.10339	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—PA 820 (NRC)	NRC	$ 716.37
54151ECOM	Lumen	132-52.10340	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—PA 850 (NRC)	NRC	$ 716.37
54151ECOM	Lumen	132-52.10341	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—PA 3220 (NRC)	NRC	$ 716.37
54151ECOM	Lumen	132-52.10342	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—PA 3250 (NRC)	NRC	$ 716.37
54151ECOM	Lumen	132-52.10343	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—PA 5220 (NRC)	NRC	$ 795.97
54151ECOM	Lumen	132-52.10344	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—PA 5250 (NRC)	NRC	$ 795.97
54151ECOM	Lumen	132-52.10345	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features URL—PA 220 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10346	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features URL—PA 820 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10347	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features URL—PA 850 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10348	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features URL—PA 3220 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10349	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features URL—PA 3250 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10350	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features URL—PA 5220 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10351	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features URL—PA 5250 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10352	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features WILDFIRE—PA 220 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10353	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features WILDFIRE—PA 820 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10354	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features WILDFIRE—PA 850 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10355	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features WILDFIRE—PA 3220 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10356	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features WILDFIRE—PA 3250 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10357	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features WILDFIRE—PA 5220 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10358	Managed Palo Alto Firewall—CARE Greenfield Build—Single+ IPS—ADD-ON Features WILDFIRE—PA 5250 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10359	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover+IPS—PA 220 (MRC)	MRC	$ 610.66
54151ECOM	Lumen	132-52.10360	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover+IPS—PA 820 (MRC)	MRC	$ 610.66
54151ECOM	Lumen	132-52.10361	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover+IPS—PA 850 (MRC)	MRC	$ 610.66
54151ECOM	Lumen	132-52.10362	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover+IPS—PA 3220 (MRC)	MRC	$ 699.00
54151ECOM	Lumen	132-52.10363	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover+IPS—PA 3250 (MRC)	MRC	$ 699.00

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54151ECOM	Lumen	132-52.10364	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—PA 5220 (MRC)	MRC	$ 786.70
54151ECOM	Lumen	132-52.10365	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—PA 5250 (MRC)	MRC	$ 786.70
54151ECOM	Lumen	132-52.10366	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 220 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10367	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 820 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10368	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 850 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10369	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 3220 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10370	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 3250 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10371	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 5220 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10372	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 5250 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10373	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 220 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10374	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 820 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10375	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 850 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10376	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 3220 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10377	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 3250 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10378	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 5220 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10379	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 5250 (MRC)	MRC	$ 188.94
54151ECOM	Lumen	132-52.10380	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—PA 220 (NRC)	NRC	$ 795.97
54151ECOM	Lumen	132-52.10381	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—PA 820 (NRC)	NRC	$ 795.97
54151ECOM	Lumen	132-52.10382	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—PA 850 (NRC)	NRC	$ 795.97
54151ECOM	Lumen	132-52.10383	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—PA 3220 (NRC)	NRC	$ 795.97
54151ECOM	Lumen	132-52.10384	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—PA 3250 (NRC)	NRC	$ 795.97
54151ECOM	Lumen	132-52.10385	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—PA 5220 (NRC)	NRC	$ 875.57
54151ECOM	Lumen	132-52.10386	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—PA 5250 (NRC)	NRC	$ 875.57
54151ECOM	Lumen	132-52.10387	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 220 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10388	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 820 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10389	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 850 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10390	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 3220 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10391	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 3250 (NRC)	NRC	$ 238.79

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10392	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 5220 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10393	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 5250 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10394	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 220 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10395	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 820 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10396	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 850 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10397	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 3220 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10398	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 3250 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10399	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 5220 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10400	Managed Palo Alto Firewall—CARE Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 5250 (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10401	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—Single PA 220 (MRC)	MRC	$ 16.77
54151ECOM	Lumen	132-52.10402	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—Single PA 820 (MRC)	MRC	$ 16.77
54151ECOM	Lumen	132-52.10403	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—Single PA 850 (MRC)	MRC	$ 16.77
54151ECOM	Lumen	132-52.10404	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—Single PA 3220 (MRC)	MRC	$ 16.77
54151ECOM	Lumen	132-52.10405	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—Single PA 3250 (MRC)	MRC	$ 16.77
54151ECOM	Lumen	132-52.10406	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—Single PA 5220 (MRC)	MRC	$ 16.77
54151ECOM	Lumen	132-52.10407	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—Single PA 5250 (MRC)	MRC	$ 16.77
54151ECOM	Lumen	132-52.10408	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—Single PA 220 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10409	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—Single PA 820 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10410	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—Single PA 850 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10411	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—Single PA 3220 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10412	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—Single PA 3250 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10413	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—Single PA 5220 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10414	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—Single PA 5250 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10415	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—High Availability PA 220 (MRC)	MRC	$ 16.77
54151ECOM	Lumen	132-52.10416	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—High Availability PA 820 (MRC)	MRC	$ 16.77
54151ECOM	Lumen	132-52.10417	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—High Availability PA 850 (MRC)	MRC	$ 16.77
54151ECOM	Lumen	132-52.10418	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—High Availability PA 3220 (MRC)	MRC	$ 16.77
54151ECOM	Lumen	132-52.10419	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—High Availability PA 3250 (MRC)	MRC	$ 16.77
54151ECOM	Lumen	132-52.10420	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—High Availability PA 5220 (MRC)	MRC	$ 16.77
54151ECOM	Lumen	132-52.10421	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—High Availability PA 5250 (MRC)	MRC	$ 16.77

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54151ECOM	Lumen	132-52.10422	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—High Availability PA 220 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10423	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—High Availability PA 820 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10424	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—High Availability PA 850 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10425	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—High Availability PA 3220 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10426	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—High Availability PA 3250 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10427	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—High Availability PA 5220 (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10428	Managed Palo Alto Firewall—CARE—GlobalProtect VPN Clients Remote Access—High Availability PA 5250 (NRC)	NRC	$ 159.19

3.7.25 Non-Customer Premises Based Firewall

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10429	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—FPR 1010 Non-Cust (MRC)	MRC	$ 513.93
54151ECOM	Lumen	132-52.10430	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—FPR 1120 Non-Cust (MRC)	MRC	$ 677.08
54151ECOM	Lumen	132-52.10431	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—FPR 1140 Non-Cust (MRC)	MRC	$ 752.52
54151ECOM	Lumen	132-52.10432	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—FPR 2110 Non-Cust (MRC)	MRC	$ 848.60
54151ECOM	Lumen	132-52.10433	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—FPR 2120 Non-Cust (MRC)	MRC	$ 1,069.14
54151ECOM	Lumen	132-52.10434	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—FPR 2130 Non-Cust (MRC)	MRC	$ 1,369.63
54151ECOM	Lumen	132-52.10435	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—FPR 2140 Non-Cust (MRC)	MRC	$ 2,136.34
54151ECOM	Lumen	132-52.10436	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 1010 Non-Cust (MRC)	MRC	$ 203.12
54151ECOM	Lumen	132-52.10437	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 1120 Non-Cust (MRC)	MRC	$ 228.27
54151ECOM	Lumen	132-52.10438	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 1140 Non-Cust (MRC)	MRC	$ 250.84
54151ECOM	Lumen	132-52.10439	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 2110 Non-Cust (MRC)	MRC	$ 374.65
54151ECOM	Lumen	132-52.10440	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 2120 Non-Cust (MRC)	MRC	$ 443.65
54151ECOM	Lumen	132-52.10441	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 2130 Non-Cust (MRC)	MRC	$ 519.74
54151ECOM	Lumen	132-52.10442	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 2140 Non-Cust (MRC)	MRC	$ 787.35
54151ECOM	Lumen	132-52.10443	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 1010 Non-Cust (MRC)	MRC	$ 221.18
54151ECOM	Lumen	132-52.10444	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 1120 Non-Cust (MRC)	MRC	$ 246.33
54151ECOM	Lumen	132-52.10445	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 1140 Non-Cust (MRC)	MRC	$ 268.90
54151ECOM	Lumen	132-52.10446	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 2110 Non-Cust (MRC)	MRC	$ 270.83
54151ECOM	Lumen	132-52.10447	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 2120 Non-Cust (MRC)	MRC	$ 318.55
54151ECOM	Lumen	132-52.10448	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 2130 Non-Cust (MRC)	MRC	$ 372.07
54151ECOM	Lumen	132-52.10449	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 2140 Non-Cust (MRC)	MRC	$ 559.72
54151ECOM	Lumen	132-52.10450	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1010 Non-Cust (NRC)	NRC	$ 955.16
54151ECOM	Lumen	132-52.10451	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1120 Non-Cust (NRC)	NRC	$ 1,273.55
54151ECOM	Lumen	132-52.10452	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 1140 Non-Cust (NRC)	NRC	$ 1,432.75

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54151ECOM	Lumen	132-52.10453	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2110 Non-Cust (NRC)	NRC	$ 1,591.94
54151ECOM	Lumen	132-52.10454	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2120 Non-Cust (NRC)	NRC	$ 1,989.92
54151ECOM	Lumen	132-52.10455	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2130 Non-Cust (NRC)	NRC	$ 2,547.10
54151ECOM	Lumen	132-52.10456	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 2140 Non-Cust (NRC)	NRC	$ 3,979.85
54151ECOM	Lumen	132-52.10457	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 1010 Non-Cust (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10458	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 1120 Non-Cust (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10459	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 1140 Non-Cust (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10460	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 2110 Non-Cust (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10461	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 2120 Non-Cust (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10462	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 2130 Non-Cust (NRC)	NRC	$ 318.39
54151ECOM	Lumen	132-52.10463	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 2140 Non-Cust (NRC)	NRC	$ 397.98
54151ECOM	Lumen	132-52.10465	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—FPR 4120 Non-Cust (MRC)	MRC	$ 4,995.55
54151ECOM	Lumen	132-52.10466	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—FPR 4140 Non-Cust (MRC)	MRC	$ 6,312.30
54151ECOM	Lumen	132-52.10467	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—FPR 4150 Non-Cust (MRC)	MRC	$ 9,651.91
54151ECOM	Lumen	132-52.10468	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—FPR 4115 Non-Cust (MRC)	MRC	$ 4,338.46
54151ECOM	Lumen	132-52.10469	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—FPR 4125 Non-Cust (MRC)	MRC	$ 5,874.46
54151ECOM	Lumen	132-52.10470	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—FPR 4145 Non-Cust (MRC)	MRC	$ 9,651.91
54151ECOM	Lumen	132-52.10471	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—FPR 9300 - SM24 Non-Cust (MRC)	MRC	$ 6,670.19
54151ECOM	Lumen	132-52.10472	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 4110 Non-Cust (MRC)	MRC	$ 350.40
54151ECOM	Lumen	132-52.10473	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 4120 Non-Cust (MRC)	MRC	$ 1,821.02
54151ECOM	Lumen	132-52.10474	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 4140 Non-Cust (MRC)	MRC	$ 2,153.11
54151ECOM	Lumen	132-52.10475	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 4150 Non-Cust (MRC)	MRC	$ 2,488.42
54151ECOM	Lumen	132-52.10476	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 4115 Non-Cust (MRC)	MRC	$ 1,534.07
54151ECOM	Lumen	132-52.10477	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 4125 Non-Cust (MRC)	MRC	$ 2,202.76
54151ECOM	Lumen	132-52.10478	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 4145 Non-Cust (MRC)	MRC	$ 2,488.42
54151ECOM	Lumen	132-52.10479	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features IPS—FPR 9300 - SM24 Non-Cust (MRC)	MRC	$ 1,630.79
54151ECOM	Lumen	132-52.10480	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 4110 Non-Cust (MRC)	MRC	$ 350.40
54151ECOM	Lumen	132-52.10481	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 4120 Non-Cust (MRC)	MRC	$ 971.12
54151ECOM	Lumen	132-52.10482	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 4140 Non-Cust (MRC)	MRC	$ 1,311.60
54151ECOM	Lumen	132-52.10483	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 4150 Non-Cust (MRC)	MRC	$ 1,519.88
54151ECOM	Lumen	132-52.10484	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 4115 Non-Cust (MRC)	MRC	$ 819.59
54151ECOM	Lumen	132-52.10485	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 4125 Non-Cust (MRC)	MRC	$ 1,174.25
54151ECOM	Lumen	132-52.10486	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 4145 Non-Cust (MRC)	MRC	$ 1,519.88

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54151ECOM	Lumen	132-52.10487	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 9300 - SM24 Non-Cust (MRC)	MRC	$ 1,014.33
54151ECOM	Lumen	132-52.10488	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4110 Non-Cust (NRC)	NRC	$ 6,845.34
54151ECOM	Lumen	132-52.10489	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4120 Non-Cust (NRC)	NRC	$ 9,312.85
54151ECOM	Lumen	132-52.10490	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4140 Non-Cust (NRC)	NRC	$ 11,700.76
54151ECOM	Lumen	132-52.10491	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4150 Non-Cust (NRC)	NRC	$ 17,909.32
54151ECOM	Lumen	132-52.10492	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4115 Non-Cust (NRC)	NRC	$ 8,039.29
54151ECOM	Lumen	132-52.10493	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4125 Non-Cust (NRC)	NRC	$ 10,904.79
54151ECOM	Lumen	132-52.10494	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 4145 Non-Cust (NRC)	NRC	$ 17,909.32
54151ECOM	Lumen	132-52.10495	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single + IPS—FPR 9300 - SM24 Non-Cust (NRC)	NRC	$ 12,417.13
54151ECOM	Lumen	132-52.10496	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 4110 Non-Cust (NRC)	NRC	$ 477.58
54151ECOM	Lumen	132-52.10497	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 4120 Non-Cust (NRC)	NRC	$ 636.78
54151ECOM	Lumen	132-52.10498	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 4140 Non-Cust (NRC)	NRC	$ 875.57
54151ECOM	Lumen	132-52.10499	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 4150 Non-Cust (NRC)	NRC	$ 1,034.76
54151ECOM	Lumen	132-52.10500	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 4115 Non-Cust (NRC)	NRC	$ 557.18
54151ECOM	Lumen	132-52.10501	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 4125 Non-Cust (NRC)	NRC	$ 795.97
54151ECOM	Lumen	132-52.10502	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 4145 Non-Cust (NRC)	NRC	$ 1,034.76
54151ECOM	Lumen	132-52.10503	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—Single—ADD-ON Features URL—FPR 9300 – SM24 Non-Cust (NRC)	NRC	$ 716.37
54151ECOM	Lumen	132-52.10504	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability Failover—FPR 1010 Non-Cust (MRC)	MRC	$ 844.09
54151ECOM	Lumen	132-52.10505	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—FPR 1120 Non-Cust (MRC)	MRC	$ 1,067.20
54151ECOM	Lumen	132-52.10506	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—FPR 1140 Non-Cust (MRC)	MRC	$ 1,217.45
54151ECOM	Lumen	132-52.10507	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—FPR 2110 Non-Cust (MRC)	MRC	$ 1,410.26
54151ECOM	Lumen	132-52.10508	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—FPR 2120 Non-Cust (MRC)	MRC	$ 1,851.97
54151ECOM	Lumen	132-52.10509	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—FPR 2130 Non-Cust (MRC)	MRC	$ 2,451.67
54151ECOM	Lumen	132-52.10510	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—FPR 2140 Non-Cust (MRC)	MRC	$ 3,988.31
54151ECOM	Lumen	132-52.10511	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 1010 Non-Cust (MRC)	MRC	$ 212.15
54151ECOM	Lumen	132-52.10512	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 1120 Non-Cust (MRC)	MRC	$ 262.45
54151ECOM	Lumen	132-52.10513	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 1140 Non-Cust (MRC)	MRC	$ 308.23
54151ECOM	Lumen	132-52.10514	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 2110 Non-Cust (MRC)	MRC	$ 458.48
54151ECOM	Lumen	132-52.10515	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 2120 Non-Cust (MRC)	MRC	$ 595.83

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10516	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 2130 Non-Cust (MRC)	MRC	$ 749.30
54151ECOM	Lumen	132-52.10517	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 2140 Non-Cust (MRC)	MRC	$ 1,284.51
54151ECOM	Lumen	132-52.10518	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 1010 Non-Cust (MRC)	MRC	$ 230.21
54151ECOM	Lumen	132-52.10519	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 1120 Non-Cust (MRC)	MRC	$ 280.50
54151ECOM	Lumen	132-52.10520	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 1140 Non-Cust (MRC)	MRC	$ 326.29
54151ECOM	Lumen	132-52.10521	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 2110 Non-Cust (MRC)	MRC	$ 329.51
54151ECOM	Lumen	132-52.10522	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 2120 Non-Cust (MRC)	MRC	$ 426.24
54151ECOM	Lumen	132-52.10523	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 2130 Non-Cust (MRC)	MRC	$ 532.63
54151ECOM	Lumen	132-52.10524	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 2140 Non-Cust (MRC)	MRC	$ 907.28
54151ECOM	Lumen	132-52.10525	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 1010 Non-Cust (NRC)	NRC	$ 1,591.94
54151ECOM	Lumen	132-52.10526	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 1120 Non-Cust (NRC)	NRC	$ 1,989.92
54151ECOM	Lumen	132-52.10527	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 1140 Non-Cust (NRC)	NRC	$ 2,308.31
54151ECOM	Lumen	132-52.10528	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 2110 Non-Cust (NRC)	NRC	$ 2,626.70
54151ECOM	Lumen	132-52.10529	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 2120 Non-Cust (NRC)	NRC	$ 3,502.27
54151ECOM	Lumen	132-52.10530	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 2130 Non-Cust (NRC)	NRC	$ 4,616.62
54151ECOM	Lumen	132-52.10531	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—FPR 2140 Non-Cust (NRC)	NRC	$ 7,402.52
54151ECOM	Lumen	132-52.10532	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 1010 Non-Cust (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10533	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 1120 Non-Cust (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10534	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 1140 Non-Cust (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10535	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 2110 Non-Cust (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10536	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 2120 Non-Cust (NRC)	NRC	$ 318.39
54151ECOM	Lumen	132-52.10537	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 2130 Non-Cust (NRC)	NRC	$ 397.98
54151ECOM	Lumen	132-52.10538	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 2140 Non-Cust (NRC)	NRC	$ 636.78
54151ECOM	Lumen	132-52.10539	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—FPR 4110 Non-Cust (MRC)	MRC	$ 6,252.98
54151ECOM	Lumen	132-52.10540	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—FPR 4120 Non-Cust (MRC)	MRC	$ 8,881.97

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10541	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—FPR 4140 Non-Cust (MRC)	MRC	$ 11,520.64
54151ECOM	Lumen	132-52.10542	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—FPR 4150 Non-Cust (MRC)	MRC	$ 18,208.24
54151ECOM	Lumen	132-52.10543	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—FPR 4115 Non-Cust (MRC)	MRC	$ 7,572.96
54151ECOM	Lumen	132-52.10544	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—FPR 4125 Non-Cust (MRC)	MRC	$ 10,644.96
54151ECOM	Lumen	132-52.10545	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—FPR 4145 Non-Cust (MRC)	MRC	$ 18,208.24
54151ECOM	Lumen	132-52.10546	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—FPR 9300 – SM24 Non-Cust (MRC)	MRC	$ 11,232.40
54151ECOM	Lumen	132-52.10547	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 4110 Non-Cust (MRC)	MRC	$ 2,107.32
54151ECOM	Lumen	132-52.10548	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 4120 Non-Cust (MRC)	MRC	$ 3,254.49
54151ECOM	Lumen	132-52.10549	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 4140 Non-Cust (MRC)	MRC	$ 3,916.09
54151ECOM	Lumen	132-52.10550	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 4150 Non-Cust (MRC)	MRC	$ 4,593.17
54151ECOM	Lumen	132-52.10551	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 4115 Non-Cust (MRC)	MRC	$ 2,677.36
54151ECOM	Lumen	132-52.10552	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 4125 Non-Cust (MRC)	MRC	$ 4,014.11
54151ECOM	Lumen	132-52.10553	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 4145 Non-Cust (MRC)	MRC	$ 4,593.17
54151ECOM	Lumen	132-52.10554	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features IPS—FPR 9300 – SM24 Non-Cust (MRC)	MRC	$ 2,774.09
54151ECOM	Lumen	132-52.10555	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 4110 Non-Cust (MRC)	MRC	$ 1,123.95
54151ECOM	Lumen	132-52.10556	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 4120 Non-Cust (MRC)	MRC	$ 1,731.39
54151ECOM	Lumen	132-52.10557	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 4140 Non-Cust (MRC)	MRC	$ 2,409.11
54151ECOM	Lumen	132-52.10558	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 4150 Non-Cust (MRC)	MRC	$ 2,830.83
54151ECOM	Lumen	132-52.10559	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 4115 Non-Cust (MRC)	MRC	$ 1,427.02
54151ECOM	Lumen	132-52.10560	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 4125 Non-Cust (MRC)	MRC	$ 2,136.34
54151ECOM	Lumen	132-52.10561	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 4145 Non-Cust (MRC)	MRC	$ 2,830.83
54151ECOM	Lumen	132-52.10562	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—HIgh Availability Failover—ADD-ON Features URL—FPR 9300 – SM24 Non-Cust (MRC)	MRC	$ 1,817.79
54151ECOM	Lumen	132-52.10563	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features—FPR 4110 Non-Cust (NRC)	NRC	$ 11,621.16
54151ECOM	Lumen	132-52.10564	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features—FPR 4120 Non-Cust (NRC)	NRC	$ 16,476.57

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54151ECOM	Lumen	132-52.10565	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features—FPR 4140 Non-Cust (NRC)	NRC	$ 21,331.99
54151ECOM	Lumen	132-52.10566	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features—FPR 4150 Non-Cust (NRC)	NRC	$ 33,749.12
54151ECOM	Lumen	132-52.10567	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features—FPR 4115 Non-Cust (NRC)	NRC	$ 14,088.66
54151ECOM	Lumen	132-52.10568	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features—FPR 4125 Non-Cust (NRC)	NRC	$ 19,740.05
54151ECOM	Lumen	132-52.10569	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features—FPR 4145 Non-Cust (NRC)	NRC	$ 33,749.12
54151ECOM	Lumen	132-52.10570	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability + IPS—ADD-ON Features—FPR 9300 – SM24 Non-Cust (NRC)	NRC	$ 20,854.41
54151ECOM	Lumen	132-52.10571	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 4110 Non-Cust (NRC)	NRC	$ 716.37
54151ECOM	Lumen	132-52.10572	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 4120 Non-Cust (NRC)	NRC	$ 1,114.36
54151ECOM	Lumen	132-52.10573	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 4140 Non-Cust (NRC)	NRC	$ 1,512.34
54151ECOM	Lumen	132-52.10574	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 4150 Non-Cust (NRC)	NRC	$ 1,830.73
54151ECOM	Lumen	132-52.10575	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 4115 Non-Cust (NRC)	NRC	$ 955.16
54151ECOM	Lumen	132-52.10576	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 4125 Non-Cust (NRC)	NRC	$ 1,353.15
54151ECOM	Lumen	132-52.10577	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 4145 Non-Cust (NRC)	NRC	$ 1,830.73
54151ECOM	Lumen	132-52.10578	Managed Cisco Firewall Greenfield Build (Firepower (FPR))—High Availability—ADD-ON Features URL—FPR 9300 – SM24 Non-Cust (NRC)	NRC	$ 1,193.95
54151ECOM	Lumen	132-52.10579	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 5 Non-Cust (MRC)	MRC	$ 37.40
54151ECOM	Lumen	132-52.10580	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 10 Non-Cust (MRC)	MRC	$ 37.40
54151ECOM	Lumen	132-52.10581	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 15 Non-Cust (MRC)	MRC	$ 37.40
54151ECOM	Lumen	132-52.10582	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 20 Non-Cust (MRC)	MRC	$ 37.40
54151ECOM	Lumen	132-52.10583	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 30 Non-Cust (MRC)	MRC	$ 63.19
54151ECOM	Lumen	132-52.10584	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 40 Non-Cust (MRC)	MRC	$ 63.19
54151ECOM	Lumen	132-52.10585	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 50 Non-Cust (MRC)	MRC	$ 63.19
54151ECOM	Lumen	132-52.10586	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 60 Non-Cust (MRC)	MRC	$ 98.66
54151ECOM	Lumen	132-52.10587	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 70 Non-Cust (MRC)	MRC	$ 98.66
54151ECOM	Lumen	132-52.10588	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 100 Non-Cust (MRC)	MRC	$ 98.66
54151ECOM	Lumen	132-52.10589	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 250 Non-Cust (MRC)	MRC	$ 149.60
54151ECOM	Lumen	132-52.10590	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 500 Non-Cust (MRC)	MRC	$ 215.38

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10591	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 1000 Non-Cust (MRC)	MRC	$ 334.67
54151ECOM	Lumen	132-52.10592	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 1500 Non-Cust (MRC)	MRC	$ 496.52
54151ECOM	Lumen	132-52.10593	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 2500 Non-Cust (MRC)	MRC	$ 689.97
54151ECOM	Lumen	132-52.10594	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 3500 Non-Cust (MRC)	MRC	$ 826.04
54151ECOM	Lumen	132-52.10595	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 5000 Non-Cust (MRC)	MRC	$ 956.94
54151ECOM	Lumen	132-52.10596	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 10000 Non-Cust (MRC)	MRC	$ 1,555.35
54151ECOM	Lumen	132-52.10597	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 25000 Non-Cust (MRC)	MRC	$ 3,275.77
54151ECOM	Lumen	132-52.10598	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 50000 Non-Cust (MRC)	MRC	$ 5,178.04
54151ECOM	Lumen	132-52.10599	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 100000 Non-Cust (MRC)	MRC	$ 7,241.51
54151ECOM	Lumen	132-52.10600	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 250000 Non-Cust (MRC)	MRC	$ 10,852.59
54151ECOM	Lumen	132-52.10601	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 5 Non-Cust (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10602	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 10 Non-Cust (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10603	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 15 Non-Cust (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10604	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 20 Non-Cust (NRC)	NRC	$ 79.60
54151ECOM	Lumen	132-52.10605	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 30 Non-Cust (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10606	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 40 Non-Cust (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10607	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 50 Non-Cust (NRC)	NRC	$ 159.19
54151ECOM	Lumen	132-52.10608	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 60 Non-Cust (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10609	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 70 Non-Cust (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10610	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 100 Non-Cust (NRC)	NRC	$ 238.79
54151ECOM	Lumen	132-52.10611	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 250 Non-Cust (NRC)	NRC	$ 318.39
54151ECOM	Lumen	132-52.10612	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 500 Non-Cust (NRC)	NRC	$ 477.58
54151ECOM	Lumen	132-52.10613	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 1000 Non-Cust (NRC)	NRC	$ 636.78
54151ECOM	Lumen	132-52.10614	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 1500 Non-Cust (NRC)	NRC	$ 955.16
54151ECOM	Lumen	132-52.10615	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 2500 Non-Cust (NRC)	NRC	$ 1,353.15
54151ECOM	Lumen	132-52.10616	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 3500 Non-Cust (NRC)	NRC	$ 1,591.94
54151ECOM	Lumen	132-52.10617	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 5000 Non-Cust (NRC)	NRC	$ 1,830.73
54151ECOM	Lumen	132-52.10618	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 10000 Non-Cust (NRC)	NRC	$ 2,945.09
54151ECOM	Lumen	132-52.10619	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 25000 Non-Cust (NRC)	NRC	$ 6,128.97
54151ECOM	Lumen	132-52.10620	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 50000 Non-Cust (NRC)	NRC	$ 9,631.23
54151ECOM	Lumen	132-52.10621	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 100000 Non-Cust (NRC)	NRC	$ 13,451.89
54151ECOM	Lumen	132-52.10622	Managed Cisco Firewall—SSL-VPN Remote Access—AnyConnect Client 250000 Non-Cust (NRC)	NRC	$ 20,138.04
54151ECOM	Lumen	132-52.10623	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 220 Non-Cust (MRC)	MRC	$ 739.63

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54151ECOM	Lumen	132-52.10624	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 820 Non-Cust (MRC)	MRC	$ 936.95
54151ECOM	Lumen	132-52.10625	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 850 Non-Cust (MRC)	MRC	$ 1,209.07
54151ECOM	Lumen	132-52.10626	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 3220 Non-Cust (MRC)	MRC	$ 1,793.93
54151ECOM	Lumen	132-52.10627	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 3250 Non-Cust (MRC)	MRC	$ 2,179.55
54151ECOM	Lumen	132-52.10628	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 5220 Non-Cust (MRC)	MRC	$ 3,682.66
54151ECOM	Lumen	132-52.10629	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 5250 Non-Cust (MRC)	MRC	$ 6,424.50
54151ECOM	Lumen	132-52.10630	Managed Palo Alto Firewall Greenfield Build—Single + IPS—VM 50 Non-Cust (MRC)	MRC	$ 887.29
54151ECOM	Lumen	132-52.10631	Managed Palo Alto Firewall Greenfield Build—Single + IPS—VM 100 Non-Cust (MRC)	MRC	$ 1,002.72
54151ECOM	Lumen	132-52.10632	Managed Palo Alto Firewall Greenfield Build—Single + IPS—VM 300 Non-Cust (MRC)	MRC	$ 1,275.49
54151ECOM	Lumen	132-52.10633	Managed Palo Alto Firewall Greenfield Build—Single + IPS—VM 500 Non-Cust (MRC)	MRC	$ 1,966.11
54151ECOM	Lumen	132-52.10634	Managed Palo Alto Firewall Greenfield Build—Single + IPS—VM 700 Non-Cust (MRC)	MRC	$ 3,268.03
54151ECOM	Lumen	132-52.10635	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 220 Non-Cust (MRC)	MRC	$ 196.68
54151ECOM	Lumen	132-52.10636	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 820 Non-Cust (MRC)	MRC	$ 223.76
54151ECOM	Lumen	132-52.10637	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 850 Non-Cust (MRC)	MRC	$ 257.93
54151ECOM	Lumen	132-52.10638	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 3220 Non-Cust (MRC)	MRC	$ 327.58
54151ECOM	Lumen	132-52.10639	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 3250 Non-Cust (MRC)	MRC	$ 381.74
54151ECOM	Lumen	132-52.10640	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 5220 Non-Cust (MRC)	MRC	$ 571.32
54151ECOM	Lumen	132-52.10641	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features URL—PA 5250 Non-Cust (MRC)	MRC	$ 953.07
54151ECOM	Lumen	132-52.10642	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 220 Non-Cust (MRC)	MRC	$ 196.68
54151ECOM	Lumen	132-52.10643	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 820 Non-Cust (MRC)	MRC	$ 223.76
54151ECOM	Lumen	132-52.10644	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 850 Non-Cust (MRC)	MRC	$ 257.93
54151ECOM	Lumen	132-52.10645	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 3220 Non-Cust (MRC)	MRC	$ 327.58
54151ECOM	Lumen	132-52.10646	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 3250 Non-Cust (MRC)	MRC	$ 381.74
54151ECOM	Lumen	132-52.10647	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 5220 Non-Cust (MRC)	MRC	$ 571.32
54151ECOM	Lumen	132-52.10648	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 5250 Non-Cust (MRC)	MRC	$ 953.07
54151ECOM	Lumen	132-52.10649	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 220 Non-Cust (NRC)	NRC	$ 875.57
54151ECOM	Lumen	132-52.10650	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 820 Non-Cust (NRC)	NRC	$ 1,034.76
54151ECOM	Lumen	132-52.10651	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 850 Non-Cust (NRC)	NRC	$ 1,193.95
54151ECOM	Lumen	132-52.10652	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 3220 Non-Cust (NRC)	NRC	$ 1,591.94
54151ECOM	Lumen	132-52.10653	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 3250 Non-Cust (NRC)	NRC	$ 1,910.33
54151ECOM	Lumen	132-52.10654	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 5220 Non-Cust (NRC)	NRC	$ 3,024.69
54151ECOM	Lumen	132-52.10655	Managed Palo Alto Firewall Greenfield Build—Single + IPS—PA 5250 Non-Cust (NRC)	NRC	$ 5,094.21
54151ECOM	Lumen	132-52.10656	Managed Palo Alto Firewall Greenfield Build—Single + IPS—VM 50 Non-Cust (NRC)	NRC	$ 636.78

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10657	Managed Palo Alto Firewall Greenfield Build—Single + IPS—VM 100 Non-Cust (NRC)	NRC	$ 716.37
54151ECOM	Lumen	132-52.10658	Managed Palo Alto Firewall Greenfield Build—Single + IPS—VM 300 Non-Cust (NRC)	NRC	$ 795.97
54151ECOM	Lumen	132-52.10659	Managed Palo Alto Firewall Greenfield Build—Single + IPS—VM 500 Non-Cust (NRC)	NRC	$ 1,114.36
54151ECOM	Lumen	132-52.10660	Managed Palo Alto Firewall Greenfield Build—Single + IPS—VM 700 Non-Cust (NRC)	NRC	$ 1,751.13
54151ECOM	Lumen	132-52.10661	Managed Palo Alto Firewall Greenfield Build—Single—ADD-ON Features URL—PA 220 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10662	Managed Palo Alto Firewall Greenfield Build—Single—ADD-ON Features URL—PA 820 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10663	Managed Palo Alto Firewall Greenfield Build—Single—ADD-ON Features URL—PA 850 Non-Cust (NRC)	NRC	$ 359.78
54151ECOM	Lumen	132-52.10664	Managed Palo Alto Firewall Greenfield Build—Single—ADD-ON Features URL—PA 3220 Non-Cust (NRC)	NRC	$ 361.37
54151ECOM	Lumen	132-52.10665	Managed Palo Alto Firewall Greenfield Build—Single—ADD-ON Features URL—PA 3250 Non-Cust (NRC)	NRC	$ 362.96
54151ECOM	Lumen	132-52.10666	Managed Palo Alto Firewall Greenfield Build—Single—ADD-ON Features URL—PA 5220 Non-Cust (NRC)	NRC	$ 364.55
54151ECOM	Lumen	132-52.10667	Managed Palo Alto Firewall Greenfield Build—Single—ADD-ON Features URL—PA 5250 Non-Cust (NRC)	NRC	$ 366.15
54151ECOM	Lumen	132-52.10668	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 220 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10669	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 820 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10670	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 850 Non-Cust (NRC)	NRC	$ 359.78
54151ECOM	Lumen	132-52.10671	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 3220 Non-Cust (NRC)	NRC	$ 361.37
54151ECOM	Lumen	132-52.10672	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 3250 Non-Cust (NRC)	NRC	$ 362.96
54151ECOM	Lumen	132-52.10673	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 5220 Non-Cust (NRC)	NRC	$ 364.55
54151ECOM	Lumen	132-52.10674	Managed Palo Alto Firewall Greenfield Build—Single + IPS—ADD-ON Features WILDFIRE—PA 5250 Non-Cust (NRC)	NRC	$ 366.15
54151ECOM	Lumen	132-52.10675	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 220 Non-Cust (MRC)	MRC	$ 1,154.90
54151ECOM	Lumen	132-52.10676	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 820 Non-Cust (MRC)	MRC	$ 1,562.44
54151ECOM	Lumen	132-52.10677	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 850 Non-Cust (MRC)	MRC	$ 2,116.35
54151ECOM	Lumen	132-52.10678	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 3220 Non-Cust (MRC)	MRC	$ 3,243.53
54151ECOM	Lumen	132-52.10679	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 3250 Non-Cust (MRC)	MRC	$ 4,012.17
54151ECOM	Lumen	132-52.10680	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 5220 Non-Cust (MRC)	MRC	$ 7,031.29
54151ECOM	Lumen	132-52.10681	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 5250 Non-Cust (MRC)	MRC	$ 12,507.89
54151ECOM	Lumen	132-52.10682	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—VM 50 Non-Cust (MRC)	MRC	$ 887.29
54151ECOM	Lumen	132-52.10683	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—VM 100 Non-Cust (MRC)	MRC	$ 1,002.72
54151ECOM	Lumen	132-52.10684	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—VM 300 Non-Cust (MRC)	MRC	$ 1,275.49
54151ECOM	Lumen	132-52.10685	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—VM 500 Non-Cust (MRC)	MRC	$ 1,966.11
54151ECOM	Lumen	132-52.10686	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—VM 700 Non-Cust (MRC)	MRC	$ 3,268.03
54151ECOM	Lumen	132-52.10687	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 220 Non-Cust (MRC)	MRC	$ 204.41
54151ECOM	Lumen	132-52.10688	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 820 Non-Cust (MRC)	MRC	$ 257.93

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10689	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 850 Non-Cust (MRC)	MRC	$ 327.58
54151ECOM	Lumen	132-52.10690	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 3220 Non-Cust (MRC)	MRC	$ 465.57
54151ECOM	Lumen	132-52.10691	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 3250 Non-Cust (MRC)	MRC	$ 575.19
54151ECOM	Lumen	132-52.10692	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 5220 Non-Cust (MRC)	MRC	$ 953.07
54151ECOM	Lumen	132-52.10693	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features URL—PA 5250 Non-Cust (MRC)	MRC	$ 1,718.49
54151ECOM	Lumen	132-52.10694	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 220 Non-Cust (MRC)	MRC	$ 204.41
54151ECOM	Lumen	132-52.10695	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 820 Non-Cust (MRC)	MRC	$ 257.93
54151ECOM	Lumen	132-52.10696	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 850 Non-Cust (MRC)	MRC	$ 327.58
54151ECOM	Lumen	132-52.10697	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 3220 Non-Cust (MRC)	MRC	$ 465.57
54151ECOM	Lumen	132-52.10698	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 3250 Non-Cust (MRC)	MRC	$ 575.19
54151ECOM	Lumen	132-52.10699	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 5220 Non-Cust (MRC)	MRC	$ 953.07
54151ECOM	Lumen	132-52.10700	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—ADD-ON Features WILDFIRE—PA 5250 Non-Cust (MRC)	MRC	$ 1,718.49
54151ECOM	Lumen	132-52.10701	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 220 Non-Cust (NRC)	NRC	$ 1,114.36
54151ECOM	Lumen	132-52.10702	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 820 Non-Cust (NRC)	NRC	$ 1,353.15
54151ECOM	Lumen	132-52.10703	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 850 Non-Cust (NRC)	NRC	$ 1,830.73
54151ECOM	Lumen	132-52.10704	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 3220 Non-Cust (NRC)	NRC	$ 2,626.70
54151ECOM	Lumen	132-52.10705	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 3250 Non-Cust (NRC)	NRC	$ 3,183.88
54151ECOM	Lumen	132-52.10706	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 5220 Non-Cust (NRC)	NRC	$ 5,412.59
54151ECOM	Lumen	132-52.10707	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—PA 5250 Non-Cust (NRC)	NRC	$ 9,631.23
54151ECOM	Lumen	132-52.10708	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—VM 50 Non-Cust (NRC)	NRC	$ 636.78
54151ECOM	Lumen	132-52.10709	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—VM 100 Non-Cust (NRC)	NRC	$ 716.37
54151ECOM	Lumen	132-52.10710	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—VM 300 Non-Cust (NRC)	NRC	$ 795.97
54151ECOM	Lumen	132-52.10711	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—VM 500 Non-Cust (NRC)	NRC	$ 1,114.36
54151ECOM	Lumen	132-52.10712	Managed Palo Alto Firewall Greenfield Build—High Availability Failover + IPS—VM 700 Non-Cust (NRC)	NRC	$ 1,751.13
54151ECOM	Lumen	132-52.10713	Managed Palo Alto Firewall Greenfield Build—High Availability Failover—ADD-ON Features URL—PA 220 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10714	Managed Palo Alto Firewall Greenfield Build—High Availability Failover—ADD-ON Features URL—PA 820 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10715	Managed Palo Alto Firewall Greenfield Build—High Availability Failover—ADD-ON Features URL—PA 850 Non-Cust (NRC)	NRC	$ 358.98

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10716	Managed Palo Alto Firewall Greenfield Build—High Availability Failover—ADD-ON Features URL—PA 3220 Non-Cust (NRC)	NRC	$ 360.57
54151ECOM	Lumen	132-52.10717	Managed Palo Alto Firewall Greenfield Build—High Availability Failover—ADD-ON Features URL—PA 3250 Non-Cust (NRC)	NRC	$ 362.17
54151ECOM	Lumen	132-52.10718	Managed Palo Alto Firewall Greenfield Build—High Availability Failover—ADD-ON Features URL—PA 5220 Non-Cust (NRC)	NRC	$ 363.76
54151ECOM	Lumen	132-52.10719	Managed Palo Alto Firewall Greenfield Build—High Availability Failover—ADD-ON Features URL—PA 5250 Non-Cust (NRC)	NRC	$ 365.35
54151ECOM	Lumen	132-52.10720	Managed Palo Alto Firewall Greenfield Build—High Availability Failover—ADD-ON Features WILDFIRE—PA 220 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10721	Managed Palo Alto Firewall Greenfield Build—High Availability Failover—ADD-ON Features WILDFIRE—PA 820 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10722	Managed Palo Alto Firewall Greenfield Build—High Availability Failover—ADD-ON Features WILDFIRE—PA 850 Non-Cust (NRC)	NRC	$ 358.98
54151ECOM	Lumen	132-52.10723	Managed Palo Alto Firewall Greenfield Build—High Availability Failover—ADD-ON Features WILDFIRE—PA 3220 Non-Cust (NRC)	NRC	$ 360.57
54151ECOM	Lumen	132-52.10724	Managed Palo Alto Firewall Greenfield Build—High Availability Failover—ADD-ON Features WILDFIRE—PA 3250 Non-Cust (NRC)	NRC	$ 362.17
54151ECOM	Lumen	132-52.10725	Managed Palo Alto Firewall Greenfield Build—High Availability Failover—ADD-ON Features WILDFIRE—PA 5220 Non-Cust (NRC)	NRC	$ 363.76
54151ECOM	Lumen	132-52.10726	Managed Palo Alto Firewall Greenfield Build—High Availability Failover—ADD-ON Features WILDFIRE—PA 5250 Non-Cust (NRC)	NRC	$ 365.35
54151ECOM	Lumen	132-52.10727	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 220 Non-Cust (MRC)	MRC	$ 37.40
54151ECOM	Lumen	132-52.10728	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 820 Non-Cust (MRC)	MRC	$ 110.91
54151ECOM	Lumen	132-52.10729	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 850 Non-Cust (MRC)	MRC	$ 205.06
54151ECOM	Lumen	132-52.10730	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 3220 Non-Cust (MRC)	MRC	$ 393.99
54151ECOM	Lumen	132-52.10731	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 3250 Non-Cust (MRC)	MRC	$ 541.66
54151ECOM	Lumen	132-52.10732	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 5220 Non-Cust (MRC)	MRC	$ 1,058.18
54151ECOM	Lumen	132-52.10733	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 5250 Non-Cust (MRC)	MRC	$ 2,098.30
54151ECOM	Lumen	132-52.10734	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 220 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10735	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 820 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10736	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 850 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10737	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 3220 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10738	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 3250 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10739	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 5220 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10740	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—Single PA 5250 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10741	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 220 Non-Cust (MRC)	MRC	$ 58.68
54151ECOM	Lumen	132-52.10742	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 820 Non-Cust (MRC)	MRC	$ 205.06
54151ECOM	Lumen	132-52.10743	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 850 Non-Cust (MRC)	MRC	$ 393.99
54151ECOM	Lumen	132-52.10744	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 3220 Non-Cust (MRC)	MRC	$ 770.58
54151ECOM	Lumen	132-52.10745	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 3250 Non-Cust (MRC)	MRC	$ 1,068.49

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10746	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 5220 Non-Cust (MRC)	MRC	$ 2,098.30
54151ECOM	Lumen	132-52.10747	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 5250 Non-Cust (MRC)	MRC	$ 4,183.70
54151ECOM	Lumen	132-52.10748	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 220 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10749	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 820 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10750	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 850 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10751	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 3220 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10752	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 3250 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10753	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 5220 Non-Cust (NRC)	NRC	$ 358.19
54151ECOM	Lumen	132-52.10754	Managed Palo Alto Firewall—GlobalProtect VPN Clients Remote Access—High Availability PA 5250 Non-Cust (NRC)	NRC	$ 358.19

3.7.26 Managed Hosting Edge Hosting Environment (EHE)

MAS SIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10756	Edge Hosting Environment - Complete	MRC	$ 1,022.03
54151ECOM	Lumen	132-52.10759	Edge Hosting Environment - Complete	NRC	$ 1,345.09

3.7.27 Managed Server Foundation Hosting (FH)

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.9889	Managed Hositng: Server, 2x processors Intel Xeon Silver 4208/2.1GHz/16 total cores, 64GB RAM, 2x 240 SSDs, 4x 1G network ports, 1x 10G network adapter with dual ports, 2x 800W power supplies, 1x iLO port, 1U, rack mount. Server includes Windows Server 2019 Standard Edition. Server supports common workloads, applications, and Operating Systems. Managed Hosting service Includes installation of server and OS, rack space and power in a modern data center (tier3 or tier4 grade facility), OS and hardware monitoring, OS patching, license management, server management, hardware break/fix, SLA, 24x7 Support center for questions and issues, and monthly billing terms with one year or multi-year contract options. A non-recurring fee is applicable. Server supports additional memory, drives, adapters, NVMe, GPUs. Additionally, network connectivity and firewall services are needed at additional charge. Optional, other managed services available (e.g., backups and storage).	MRC	$ 639.72
54151ECOM	Lumen	132-52.9891	Managed Hosting: Server, 2x processors Intel Xeon Silver 4208/2.1GHz/16 total cores, 64GB RAM, 2x 240 SSDs, 4x 1G network ports, 1x 10G network adapter with dual ports, 2x 800W power supplies, 1x iLO port, 1U, rack mount. Server supports common workloads, applications, and Operating Systems. Managed Hosting service Includes installation of server, rack space and power in a modern data center (tier3 or tier4 grade facility), hardware break/fix, SLA, 24x7 Support center for questions and issues, and monthly billing terms with one year or multi-year contract options. A non-recurring fee is applicable. Server is ready for customer to image with their provided OS and for customer to monitor server hardware for performance and to report any issues detected. Server supports additional memory, drives, adapters, NVMe, GPUs. Additionally, a remote access server, network connectivity, and firewall services are needed at additional charge. Optional, other managed services available (eg, backups and storage).	MRC	$ 467.49
54151ECOM	Lumen	132-52.9892	Managed Hosting: Server, 2x processors Intel Xeon Silver 4208/2.1GHz/16 total cores, 64GB RAM, 2x 240 SSDs, 4x 1G network ports, 1x 10G network adapter with dual ports, 2x 800W power supplies, 1x iLO port, 1U, rack mount. Server	NRC	$ 484.63

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
			includes Windows Server 2019 Standard Edition. Server supports common workloads, applications, and Operating Systems. Managed Hosting service Includes installation of server and OS, rack space and power in a modern data center (tier3 or tier4 grade facility), OS and hardware monitoring, OS patching, license management, server management, hardware break/fix, SLA, 24x7 Support center for questions and issues, and monthly billing terms with one year or multi-year contract options. A Non-Recurring fee is applicable. Server supports additional memory, drives, adapters, NVMe, GPUs. Additionally, network connectivity and firewall services are needed at additional charge. Optional, other managed services available (e.g., backups and storage).		
54151ECOM	Lumen	132-52.9894	Managed hosting: Server, 2x processors Intel Xeon Silver 4208/2.1GHz/16 total cores, 64GB RAM, 2x 240 SSDs, 4x 1G network ports, 1x 10G network adapter with dual ports, 2x 800W power supplies, 1x iLO port, 1U, rack mount. Server supports common workloads, applications, and Operating Systems. Managed Hosting service Includes installation of server, rack space and power in a modern data center (tier3 or tier4 grade facility), hardware break/fix, SLA, 24x7 Support center for questions and issues, and monthly billing terms with one year or multi-year contract options. A Non-Recurring fee is applicable. Server is ready for customer to image with their provided OS and for customer to monitor server hardware for performance and to report any issues detected. Server supports additional memory, drives, adapters, NVMe, GPUs. Additionally, a remote access server, network connectivity, and firewall services are needed at additional charge. Optional, other managed services available (eg, backups and storage).	NRC	$ 335.52

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/IFF
54151ECOM	Lumen	132-52.12056	Lumen Managed Hositng, Dedicated Server with 2x processors Intel Xeon Silver 4208/2.1GHz/16 total cores, 64GB RAM, 2x 240 SSDs, 4x 1G network ports, 1x 10G network adapter with dual ports, 2x 800W power supplies, 1x iLO port, 1U, rack mount. Server includes RHEL 7. Server supports common workloads, applications, and Operating Systems. Managed Hosting service Includes installation of OS, OS patching, license management, server and OS monitoring and management, hardware break/fix, SLA, 24x7 Support center for questions and issues, and monthly billing terms with a 3-year contract. A non-recurring fee is applicable. Server supports additional memory and internal drives/larger drives. LAN network connectivity not included but sold separately via Lumen Edge Hosting Environment. Lumen dedicated colocation (racks and power) not included but sold separately. Optional, other Lumen Managed Services available, such as dedicated security and dedicated storage and backup.	MRC	$ 701.60
54151ECOM	Lumen	132-52.12057	Installation charge for MANAGED HOSTING-SERVER: 2 PROCESSORS SMALL CONFIG - RHEL 7.	NRC	$ 484.63
54151ECOM	Lumen	132-52.12058	A dedicated, managed virtual machine that provides remote, secure access to a Lumen MANAGED HOSTING SERVER: 2 PROCESSORS SMALL CONFIG - CUSTOMER OS so that it can be imaged and configured by the Customer. Customer meaning the Customer that has ordered Foundation Springboard Service and MANAGED HOSTING SERVER: 2 PROCESSORS SMALL CONFIG - CUSTOMER OS. Foundation Springboard Service has persistent storage location for disk images with Fast Ethernet access to the HAN for interacting with Foundation Hosting servers via HP Integrated Lights-Out (iLO) tools for various server management needs, e.g. imaging the server and configuring server settings. Storage for Springboard servers is purchased separately via the Utility Storage Service. A Springboard server may be a virtual machine located on a CenturyLink managed virtualized server	MRC	$ 340.16

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/IFF
			or it may be a separate physical server. The Foundation Springboard Service server is provided at the same data center as the MANAGED HOSTING SERVER: 2 PROCESSORS SMALL CONFIG - CUSTOMER OS and has a private IP network access to the HP Integrated Lights-Out (iLO) or equivalent interface of the MANAGED HOSTING SERVER: 2 PROCESSORS SMALL CONFIG - CUSTOMER OS via Lumen's Managed Hosting HAN. Operating system-based services, including remote desktop, secure copy and secure file transport protocol, are enabled to ease the ability of Customer access the Foundation Springboard Service and uploading disk images. The Operating System of Foundation Springboard Service is a current, supported Windows 2019 OS, which are licensed, managed and monitored by Lumen. Lumen prohibits Customers from using this service for anything other than its intended use. If the Customer chooses not to purchase the Foundation Springboard Service, an alternative means to access the private IP address of the MANAGED HOSTING SERVER: 2 PROCESSORS SMALL CONFIG - CUSTOMER OS. This service is a complimentary service to Lumen's MANAGED HOSTING SERVER: 2 PROCESSORS SMALL CONFIG - CUSTOMER OS.		
54151ECOM	Lumen	132-52.12059	Installation charge for Managed Springboard Hosting - NRC	NRC	$ 330.29

3.7.28 Lumen Private Cloud on VMWare Cloud Foundation (VCF)

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10761	Base Service Small HPE Bundle - North America (MRC) - standard option includes HPE DL-Gen10 with the Intel Scalable Xeon Series CPU configuration; 20 cores, 128 GB RAM, 5 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution.	MRC	$ 1,907.94
54151ECOM	Lumen	132-52.10762	Base Service Medium HPE Bundle - North America (MRC) - standard option includes HPE DL-Gen10 with the Intel Scalable Xeon Series CPU configuration; 28 cores, 256 GB RAM, 10 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution.	MRC	$ 2,057.58
54151ECOM	Lumen	132-52.10763	Base Service Large HPE Bundle - North America (MRC) - standard option includes HPE DL-Gen10 with the Intel Scalable Xeon Series CPU configuration; 36 cores, 512 GB RAM, 15 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution.	MRC	$ 2,362.44
54151ECOM	Lumen	132-52.10764	Base Service Small Dell Bundle - North America (MRC) - standard option includes Dell PowerEdge R640 with the Intel Scalable Xeon Series CPU configuration; 20 cores, 128 GB RAM, 5 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution.	MRC	$ 1,907.94
54151ECOM	Lumen	132-52.10765	Base Service Medium Dell Bundle - North America (MRC) - standard option includes Dell PowerEdge R640 with the Intel Scalable Xeon Series CPU configuration; 28 cores, 256 GB RAM, 10 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution.	MRC	$ 2,057.58
54151ECOM	Lumen	132-52.10766	Base Service Large Dell Bundle - North America (MRC) - standard option includes Dell PowerEdge R640 with the Intel Scalable Xeon Series CPU configuration; 36 cores, 512 GB RAM, 15 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution.	MRC	$ 2,362.44
54151ECOM	Lumen	132-52.10767	Base Service Small HPE Bundle - North America (NRC) standard option includes HPE DL-Gen10 with the Intel Scalable Xeon Series CPU configuration; 20 cores, 128 GB RAM, 5 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution.	NRC	$ 419.65
54151ECOM	Lumen	132-52.10768	Base Service Medium HPE Bundle - North America (NRC) - standard option includes HPE DL-Gen10 with the Intel Scalable Xeon Series CPU configuration; 28 cores, 256 GB RAM, 10 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution.	NRC	$ 419.65

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price w/ IFF
54151ECOM	Lumen	132-52.10769	Base Service Large HPE Bundle - North America (NRC) - standard option includes HPE DL-Gen10 with the Intel Scalable Xeon Series CPU configuration; 36 cores, 512 GB RAM, 15 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution.	NRC	$ 419.65
54151ECOM	Lumen	132-52.10770	Base Service Small Dell Bundle - North America (NRC) - standard option includes Dell PowerEdge R640 with the Intel Scalable Xeon Series CPU configuration; 20 cores, 128 GB RAM, 5 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution.	NRC	$ 419.65
54151ECOM	Lumen	132-52.10771	Base Service Medium Dell Bundle - North America (NRC) - standard option includes Dell PowerEdge R640 with the Intel Scalable Xeon Series CPU configuration; 28 cores, 256 GB RAM, 10 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution.	NRC	$ 419.65
54151ECOM	Lumen	132-52.10772	Base Service Large Dell Bundle - North America (NRC) - standard option includes Dell PowerEdge R640 with the Intel Scalable Xeon Series CPU configuration; 36 cores, 512 GB RAM, 15 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution.	NRC	$ 419.65
54151ECOM	Lumen	132-52.11187	Base Service Edge Medium (MRC) - standard option includes Dell C6420 Server with the Intel Scalable Xeon Series CPU configuration; 32 cores, 384 GB RAM, 5 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution.	MRC	$ 2,263.74
54151ECOM	Lumen	132-52.11188	Base Service Edge Large (MRC) - standard option includes Dell C6420 with the Intel Scalable Xeon Series CPU configuration; 32 cores, 768 GB RAM, 20 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution	MRC	$ 2,598.84
54151ECOM	Lumen	132-52.11189	Base Service Edge Medium (NRC) - standard option includes Dell C6420 Server with the Intel Scalable Xeon Series CPU configuration; 32 cores, 384 GB RAM, 5 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution.	NRC	$ 676.57
54151ECOM	Lumen	132-52.11190	Base Service Edge Large (NRC) - standard option includes Dell C6420 with the Intel Scalable Xeon Series CPU configuration; 32 cores, 768 GB RAM, 20 TB usable storage (SSD) per node. Note minimum of 4 Hosts per Data Center Solution	NRC	$ 676.57

3.7.29 Lumen Edge Bare Metal

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
54151ECOM	Lumen	132-52.11274	Lumen Edge Bare Metal - Small (Hourly Usage MRC)	MRC	$ 0.69
54151ECOM	Lumen	132-52.11275	Lumen Edge Bare Metal - Small (Monthly MRC)	MRC	$ 498.74
54151ECOM	Lumen	132-52.11276	Lumen Edge Bare Metal - Small (12-month MRC)	MRC	$ 498.74
54151ECOM	Lumen	132-52.11277	Lumen Edge Bare Metal - Small (12-month MRC) $5,000 Commit	MRC	$ 483.78
54151ECOM	Lumen	132-52.11278	Lumen Edge Bare Metal - Small (12-month MRC) $25,000 Commit	MRC	$ 473.80
54151ECOM	Lumen	132-52.11279	Lumen Edge Bare Metal - Small (12-month MRC) $75,000 Commit	MRC	$ 458.84
54151ECOM	Lumen	132-52.11280	Lumen Edge Bare Metal - Small (12-month MRC) $150,000 Commit	MRC	$ 448.87
54151ECOM	Lumen	132-52.11281	Lumen Edge Bare Metal - Small (24-month MRC)	MRC	$ 498.74
54151ECOM	Lumen	132-52.11282	Lumen Edge Bare Metal - Small (24-month MRC) $5,000 Commit	MRC	$ 473.80
54151ECOM	Lumen	132-52.11283	Lumen Edge Bare Metal - Small (24-month MRC) $25,000 Commit	MRC	$ 458.84
54151ECOM	Lumen	132-52.11284	Lumen Edge Bare Metal - Small (24-month MRC) $75,000 Commit	MRC	$ 448.87
54151ECOM	Lumen	132-52.11285	Lumen Edge Bare Metal - Small (24-month MRC) $150,000 Commit	MRC	$ 423.93
54151ECOM	Lumen	132-52.11289	Lumen Edge Bare Metal - Medium (Hourly Usage MRC)	MRC	$ 2.39
54151ECOM	Lumen	132-52.11290	Lumen Edge Bare Metal - Medium (Monthly MRC)	MRC	$ 1,747.59
54151ECOM	Lumen	132-52.11291	Lumen Edge Bare Metal - Medium (12-month MRC)	MRC	$ 1,747.59
54151ECOM	Lumen	132-52.11292	Lumen Edge Bare Metal - Medium (12-month MRC) $5,000 Commit	MRC	$ 1,703.90
54151ECOM	Lumen	132-52.11293	Lumen Edge Bare Metal - Medium (12-month MRC) $25,000 Commit	MRC	$ 1,660.21
54151ECOM	Lumen	132-52.11294	Lumen Edge Bare Metal - Medium (12-month MRC) $75,000 Commit	MRC	$ 1,616.52
54151ECOM	Lumen	132-52.11295	Lumen Edge Bare Metal - Medium (12-month MRC) $150,000 Commit	MRC	$ 1,572.83
54151ECOM	Lumen	132-52.11296	Lumen Edge Bare Metal - Medium (24-month MRC)	MRC	$ 1,747.59
54151ECOM	Lumen	132-52.11297	Lumen Edge Bare Metal - Medium (24-month MRC) $5,000 Commit	MRC	$ 1,660.21
54151ECOM	Lumen	132-52.11298	Lumen Edge Bare Metal - Medium (24-month MRC) $25,000 Commit	MRC	$ 1,616.52
54151ECOM	Lumen	132-52.11299	Lumen Edge Bare Metal - Medium (24-month MRC) $75,000 Commit	MRC	$ 1,572.83

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
54151ECOM	Lumen	132-52.11300	Lumen Edge Bare Metal - Medium (24-month MRC) $150,000 Commit	MRC	$ 1,485.45
54151ECOM	Lumen	132-52.11301	Lumen Edge Bare Metal - Large (Hourly Usage MRC)	MRC	$ 5.14
54151ECOM	Lumen	132-52.11302	Lumen Edge Bare Metal - Large (Monthly MRC)	MRC	$ 3,750.53
54151ECOM	Lumen	132-52.11303	Lumen Edge Bare Metal - Large (12-month MRC)	MRC	$ 3,750.53
54151ECOM	Lumen	132-52.11304	Lumen Edge Bare Metal - Large (12-month MRC) $5,000 Commit	MRC	$ 3,656.77
54151ECOM	Lumen	132-52.11305	Lumen Edge Bare Metal - Large (12-month MRC) $25,000 Commit	MRC	$ 3,563.00
54151ECOM	Lumen	132-52.11306	Lumen Edge Bare Metal - Large (12-month MRC) $75,000 Commit	MRC	$ 3,469.24
54151ECOM	Lumen	132-52.11307	Lumen Edge Bare Metal - Large (12-month MRC) $150,000 Commit	MRC	$ 3,375.48
54151ECOM	Lumen	132-52.11308	Lumen Edge Bare Metal - Large (24-month MRC)	MRC	$ 3,750.53
54151ECOM	Lumen	132-52.11309	Lumen Edge Bare Metal - Large (24-month MRC) $5,000 Commit	MRC	$ 3,563.00
54151ECOM	Lumen	132-52.11310	Lumen Edge Bare Metal - Large (24-month MRC) $25,000 Commit	MRC	$ 3,469.24
54151ECOM	Lumen	132-52.11311	Lumen Edge Bare Metal - Large (24-month MRC) $75,000 Commit	MRC	$ 3,375.48
54151ECOM	Lumen	132-52.11312	Lumen Edge Bare Metal - Large (24-month MRC) $150,000 Commit	MRC	$ 3,187.95

3.7.30 Lumen Private Cloud for VMWare Cloud on AWS

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
54151ECOM	Lumen	132-52.10813	AWS US West (N. California) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances	MRC	$ 3,341.12
54151ECOM	Lumen	132-52.10814	AWS US East (N. Virginia) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances	MRC	$ 3,030.29
54151ECOM	Lumen	132-52.10815	AWS US East (Ohio) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances	MRC	$ 3,030.29
54151ECOM	Lumen	132-52.10816	AWS US West (Oregon) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances	MRC	$ 3,030.29
54151ECOM	Lumen	132-52.10817	AWS GovCloud (US) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances	MRC	$ 3,631.55
54151ECOM	Lumen	132-52.10818	AWS Canada (Central) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances	MRC	$ 3,341.12
54151ECOM	Lumen	132-52.10819	AWS South America (Sao Paulo) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances	MRC	$ 4,810.54
54151ECOM	Lumen	132-52.10820	AWS Europe Central (Frankfurt) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances	MRC	$ 3,613.07
54151ECOM	Lumen	132-52.10821	AWS Europe (Ireland) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances	MRC	$ 3,341.12
54151ECOM	Lumen	132-52.10822	AWS Europe (London) i3 includes 336 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances	MRC	$ 3,515.92
54151ECOM	Lumen	132-52.10823	AWS Europe (Paris) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances	MRC	$ 3,497.74
54151ECOM	Lumen	132-52.10824	AWS Europe (Stockholm) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances	MRC	$ 3,190.84
54151ECOM	Lumen	132-52.10825	AWS AP (Mumbai) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC	MRC	$ 3,438.27

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
			software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances		
54151ECOM	Lumen	132-52.10826	AWS AP (Seoul) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Vmware HCX, Dedicated Amazon EC2 Bare Metal Instances; Vmware Global Support	MRC	$ 3,554.80
54151ECOM	Lumen	132-52.10827	AWS AP (Singapore) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances	MRC	$ 3,632.50
54151ECOM	Lumen	132-52.10828	AWS AP (Sydney) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Vmware HCX, Dedicated Amazon EC2 Bare Metal Instances; Vmware Global Support	MRC	$ 3,632.50
54151ECOM	Lumen	132-52.10829	AWS AP (Tokyo) i3 includes 36 Cores; 512GiB memory; NVMe (10.7 TiB raw storage capacity); VMWare SDDC software: vSphere, vSAN, NSX-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances	MRC	$ 3,554.80
54151ECOM	Lumen	132-52.10830	AWS US West (N. California) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); Vmware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicatred Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 7,488.92
54151ECOM	Lumen	132-52.10831	AWS US East (N. Virginia) - i3en include 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); Vmware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicatred Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 6,778.25
54151ECOM	Lumen	132-52.10832	AWS US East (Ohio) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); Vmware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicatred Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 6,778.25
54151ECOM	Lumen	132-52.10833	AWS US West (Oregon) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); Vmware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicatred Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 6,778.25
54151ECOM	Lumen	132-52.10834	AWS GovCloud (US) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); Vmware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicatred Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 8,141.90
54151ECOM	Lumen	132-52.10835	AWS Canada (Central) includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); Vmware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicatred Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 7,488.92
54151ECOM	Lumen	132-52.10836	AWS South America (Sao Paulo) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); Vmware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicatred Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and	MRC	$ 10,824.53

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
			upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)		
54151ECOM	Lumen	132-52.10837	AWS Europe Central (Frankfurt) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); Vmware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicatred Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 8,124.20
54151ECOM	Lumen	132-52.10838	AWS Europe (Ireland) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); Vmware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicatred Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 7,488.92
54151ECOM	Lumen	132-52.10839	AWS Europe (London) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); Vmware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicatred Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 7,877.91
54151ECOM	Lumen	132-52.10840	AWS Europe (Paris) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); Vmware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicatred Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 7,855.81
54151ECOM	Lumen	132-52.10841	AWS Europe (Stockholm) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); Vmware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicatred Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 7,177.84
54151ECOM	Lumen	132-52.10842	AWS AP (Mumbai) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); VMware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicated 202Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 7,735.33
54151ECOM	Lumen	132-52.10843	AWS AP (Seoul) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); VMware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 7,971.77
54151ECOM	Lumen	132-52.10844	AWS AP (Singapore) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); VMware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 8,131.11
54151ECOM	Lumen	132-52.10845	AWS AP (Sydney) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); VMware SDDC software: vSphere, vSAN, NSC-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)	MRC	$ 8,131.11
54151ECOM	Lumen	132-52.10846	AWS AP (Tokyo) i3en includes 48 Cores; 768GiB Memory; NVMe (45.8 TiB raw storage capacity); VMware SDDC	MRC	$ 7,971.77

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
			software: vSphere, vSAN, NSC-T, vCenter Server; Dedicated Amazon EC2 Bare Metal Instances; Lifecycle Management by VMware (updates, patches and upgrades); Support for High Availability and Stretched Clusters; Service Level Agreements (SLA)		

3.7.31 Lumen High Speed Internet Protocol Services (HSIP)

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
54151ECOM	Lumen	132-52.10996	High Speed Internet Protocol (20000Mbps) - 100 Gig Ethernet - Per Mg Pricing $0.37	MRC	$ 5,955.78
54151ECOM	Lumen	132-52.10997	High Speed Internet Protocol (25000Mbps) - 100 Gig Ethernet - Per Mg Pricing $0.36	MRC	$ 7,232.02
54151ECOM	Lumen	132-52.10998	High Speed Internet Protocol (30000Mbps) - 100 Gig Ethernet- Per Mg Pricing $0.34	MRC	$ 8,167.93
54151ECOM	Lumen	132-52.10999	High Speed Internet Protocol (35000Mbps) - 100 Gig Ethernet - Per Mg Pricing $0.33	MRC	$ 9,231.46
54151ECOM	Lumen	132-52.11000	High Speed Internet Protocol (40000Mbps) - 100 Gig Ethernet - Per Mg Pricing $0.32	MRC	$ 10,039.74
54151ECOM	Lumen	132-52.11001	High Speed Internet Protocol (45000Mbps) - 100 Gig Ethernet - Per Mg Pricing $0.31	MRC	$ 10,911.84
54151ECOM	Lumen	132-52.11002	High Speed Internet Protocol (50000Mbps) - 100 Gig Ethernet- Per Mg Pricing $0.30	MRC	$ 11,698.85
54151ECOM	Lumen	132-52.11003	High Speed Internet Protocol (55000Mbps) - 100 Gig Ethernet - Per Mg Pricing $0.29	MRC	$ 12,634.76
54151ECOM	Lumen	132-52.11004	High Speed Internet Protocol (60000Mbps) - 100 Gig Ethernet - Per Mg Pricing $0.28	MRC	$ 13,528.13
54151ECOM	Lumen	132-52.11005	High Speed Internet Protocol (65000Mbps) - 100 Gig Ethernet - Per Mg Pricing $0.28	MRC	$ 14,378.95
54151ECOM	Lumen	132-52.11006	High Speed Internet Protocol (70000Mbps) - 100 Gig Ethernet - Per Mg Pricing $0.27	MRC	$ 15,187.24
54151ECOM	Lumen	132-52.11007	High Speed Internet Protocol (75000Mbps) - 100 Gig Ethernet- Per Mg Pricing $0.27	MRC	$ 15,952.98
54151ECOM	Lumen	132-52.11008	High Speed Internet Protocol (80000Mbps) - 100 Gig Ethernet - Per Mg Pricing $0.26	MRC	$ 16,676.18
54151ECOM	Lumen	132-52.11009	High Speed Internet Protocol (85000Mbps) - 100 Gig Ethernet - Per Mg Pricing $0.26	MRC	$ 17,356.84
54151ECOM	Lumen	132-52.11010	High Speed Internet Protocol (90000Mbps) - 100 Gig Ethernet - Per Mg Pricing $0.25	MRC	$ 17,994.96
54151ECOM	Lumen	132-52.11011	High Speed Internet Protocol (95000Mbps) - 100 Gig Ethernet - Per Mg Pricing $0.25	MRC	$ 18,994.68
54151ECOM	Lumen	132-52.11012	High Speed Internet Protocol (10000Mbps) - 100 Gig Ethernet - Per Mg Pricing $0.25	MRC	$ 19,356.28

3.7.32 Lumen Metro Ethernet (ME) Services

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
54151ECOM	Lumen	132-52.10847	Metropolitan Optical Ethernet (MOE) Bandwidth 3 Mbps	MRC	$293.68
54151ECOM	Lumen	132-52.10848	Metropolitan Optical Ethernet (MOE) Bandwidth 5 Mbps	MRC	$343.22
54151ECOM	Lumen	132-52.10849	Metropolitan Optical Ethernet (MOE) Bandwidth 7 Mbps	MRC	$372.25
54151ECOM	Lumen	132-52.10850	Metropolitan Optical Ethernet (MOE) Bandwidth 10 Mbps	MRC	$456.30
54151ECOM	Lumen	132-52.10851	Metropolitan Optical Ethernet (MOE) Bandwidth 20 Mbps	MRC	$484.45
54151ECOM	Lumen	132-52.10852	Metropolitan Optical Ethernet (MOE) Bandwidth 30 Mbps	MRC	$514.03
54151ECOM	Lumen	132-52.10853	Metropolitan Optical Ethernet (MOE) Bandwidth 40 Mbps	MRC	$558.73
54151ECOM	Lumen	132-52.10854	Metropolitan Optical Ethernet (MOE) Bandwidth 50 Mbps	MRC	$593.35
54151ECOM	Lumen	132-52.10855	Metropolitan Optical Ethernet (MOE) Bandwidth 60 Mbps	MRC	$622.94
54151ECOM	Lumen	132-52.10856	Metropolitan Optical Ethernet (MOE) Bandwidth 70 Mbps	MRC	$652.52
54151ECOM	Lumen	132-52.10857	Metropolitan Optical Ethernet (MOE) Bandwidth 80 Mbps	MRC	$682.11
54151ECOM	Lumen	132-52.10858	Metropolitan Optical Ethernet (MOE) Bandwidth 90 Mbps	MRC	$721.77
54151ECOM	Lumen	132-52.10859	Metropolitan Optical Ethernet (MOE) Bandwidth 100 Mbps on Fast Ethernet (FastE) 100 Mbps port	MRC	$756.42
54151ECOM	Lumen	132-52.10861	Metropolitan Optical Ethernet (MOE) Bandwidth 200 Mbps	MRC	$821.31
54151ECOM	Lumen	132-52.10862	Metropolitan Optical Ethernet (MOE) Bandwidth 300 Mbps	MRC	$1,017.19
54151ECOM	Lumen	132-52.10863	Metropolitan Optical Ethernet (MOE) Bandwidth 400 Mbps	MRC	$1,172.76
54151ECOM	Lumen	132-52.10864	Metropolitan Optical Ethernet (MOE) Bandwidth 500 Mbps	MRC	$1,237.65
54151ECOM	Lumen	132-52.10865	Metropolitan Optical Ethernet (MOE) Bandwidth 600 Mbps	MRC	$1,413.37

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
54151ECOM	Lumen	132-52.10866	Metropolitan Optical Ethernet (MOE) Bandwidth 700 Mbps	MRC	$1,563.91
54151ECOM	Lumen	132-52.10867	Metropolitan Optical Ethernet (MOE) Bandwidth 800 Mbps	MRC	$1,709.40
54151ECOM	Lumen	132-52.10868	Metropolitan Optical Ethernet (MOE) Bandwidth 900 Mbps	MRC	$1,844.82
54151ECOM	Lumen	132-52.10869	Metropolitan Optical Ethernet (MOE) Bandwidth 1 Gpbs	MRC	$1,944.99
54151ECOM	Lumen	132-52.10871	Metropolitan Optical Ethernet (MOE) Bandwidth 2 Gpbs	MRC	$2,591.12
54151ECOM	Lumen	132-52.10872	Metropolitan Optical Ethernet (MOE) Bandwidth 3 Gpbs	MRC	$3,332.98
54151ECOM	Lumen	132-52.10873	Metropolitan Optical Ethernet (MOE) Bandwidth 4 Gpbs	MRC	$4,084.91
54151ECOM	Lumen	132-52.10874	Metropolitan Optical Ethernet (MOE) Bandwidth 5 Gpbs	MRC	$4,826.76
54151ECOM	Lumen	132-52.10875	Metropolitan Optical Ethernet (MOE) Bandwidth 6 Gpbs	MRC	$5,477.93
54151ECOM	Lumen	132-52.10876	Metropolitan Optical Ethernet (MOE) Bandwidth 7 Gpbs	MRC	$5,705.93
54151ECOM	Lumen	132-52.10877	Metropolitan Optical Ethernet (MOE) Bandwidth 8 Gpbs	MRC	$5,933.93
54151ECOM	Lumen	132-52.10878	Metropolitan Optical Ethernet (MOE) Bandwidth 9 Gpbs	MRC	$6,393.67
54151ECOM	Lumen	132-52.10879	Metropolitan Optical Ethernet (MOE) Bandwidth 10 Gbps	MRC	$6,621.66
54151ECOM	Lumen	132-52.10880	Metropolitan Optical Ethernet (MOE) Ethernet Virtual Circuit (EVC)	MRC	$4.53

3.7.33 Lumen Adaptive Network Security (ANS) Services

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
54151ECOM	Lumen	132-52.10889	ANS Service MRC - 15 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	MRC	$ 59.85
54151ECOM	Lumen	132-52.10890	ANS Service MRC - 15 Mbps - Service Level Basic	MRC	$ 289.76
54151ECOM	Lumen	132-52.10891	ANS Service MRC - 15 Mbps - Service Level Premium	MRC	$ 1,372.40
54151ECOM	Lumen	132-52.10892	ANS Service MRC - 15 Mbps - Service Level Content Filtering (optional charge in addition to Basic or Premium)	MRC	$ 165.37
54151ECOM	Lumen	132-52.10893	ANS Service MRC - 15 Mbps -Anti-Malware (optional charge in addition to Basic or Premium)	MRC	$ 161.21
54151ECOM	Lumen	132-52.10894	ANS Service MRC - 50 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	MRC	$ 161.21
54151ECOM	Lumen	132-52.10895	ANS Service MRC - 50 Mbps - Service Level Basic	MRC	$ 410.38
54151ECOM	Lumen	132-52.10896	ANS Service MRC - 50 Mbps - Service Level Premium	MRC	$ 1,514.60
54151ECOM	Lumen	132-52.10897	ANS Service MRC - 50 Mbps - Service Level Content Filtering (optional charge in addition to Basic or Premium)	MRC	$ 202.79
54151ECOM	Lumen	132-52.10898	ANS Service MRC - 50 Mbps -Anti-Malware (optional charge in addition to Basic or Premium)	MRC	$ 282.12
54151ECOM	Lumen	132-52.10899	ANS Service MRC - 100 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	MRC	$ 322.42
54151ECOM	Lumen	132-52.10900	ANS Service MRC - 100 Mbps - Service Level Basic	MRC	$ 616.62
54151ECOM	Lumen	132-52.10901	ANS Service MRC - 100 Mbps - Service Level Premium	MRC	$ 1,897.43
54151ECOM	Lumen	132-52.10902	ANS Service MRC - 100 Mbps - Service Level Content Filtering (optional charge in addition to Basic or Premium)	MRC	$ 295.01
54151ECOM	Lumen	132-52.10903	ANS Service MRC - 100 Mbps -Anti-Malware (optional charge in addition to Basic or Premium)	MRC	$ 463.48
54151ECOM	Lumen	132-52.10904	ANS Service MRC - 150 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	MRC	$ 483.63
54151ECOM	Lumen	132-52.10905	ANS Service MRC - 150 Mbps - Service Level Basic	MRC	$ 822.88
54151ECOM	Lumen	132-52.10906	ANS Service MRC - 150 Mbps - Service Level Premium	MRC	$ 2,280.20
54151ECOM	Lumen	132-52.10907	ANS Service MRC - 150 Mbps - Service Level Content Filtering (optional charge in addition to Basic or Premium)	MRC	$ 387.11
54151ECOM	Lumen	132-52.10908	ANS Service MRC - 150 Mbps -Anti-Malware (optional charge in addition to Basic or Premium)	MRC	$ 644.84
54151ECOM	Lumen	132-52.10909	ANS Service MRC - 200 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	MRC	$ 604.53
54151ECOM	Lumen	132-52.10910	ANS Service MRC - 200 Mbps - Service Level Basic	MRC	$ 955.16
54151ECOM	Lumen	132-52.10911	ANS Service MRC - 200 Mbps - Service Level Premium	MRC	$ 2,357.68
54151ECOM	Lumen	132-52.10912	ANS Service MRC - 200 Mbps - Service Level Content Filtering (optional charge in addition to Basic or Premium)	MRC	$ 425.44
54151ECOM	Lumen	132-52.10913	ANS Service MRC - 200 Mbps -Anti-Malware (optional charge in addition to Basic or Premium)	MRC	$ 642.32
54151ECOM	Lumen	132-52.10914	ANS Service MRC - 300 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	MRC	$ 846.35
54151ECOM	Lumen	132-52.10915	ANS Service MRC - 300 Mbps - Service Level Basic	MRC	$ 1,234.32
54151ECOM	Lumen	132-52.10916	ANS Service MRC - 300 Mbps - Service Level Premium	MRC	$ 2,610.62
54151ECOM	Lumen	132-52.10917	ANS Service MRC - 300 Mbps - Service Level Content Filtering (optional charge in addition to Basic or Premium)	MRC	$ 514.10
54151ECOM	Lumen	132-52.10918	ANS Service MRC - 300 Mbps -Anti-Malware (optional charge in addition to Basic or Premium)	MRC	$ 670.03

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
54151ECOM	Lumen	132-52.10919	ANS Service MRC - 500 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	MRC	$ 1,551.64
54151ECOM	Lumen	132-52.10920	ANS Service MRC - 500 Mbps - Service Level Basic	MRC	$ 2,080.60
54151ECOM	Lumen	132-52.10921	ANS Service MRC - 500 Mbps - Service Level Premium	MRC	$ 3,667.51
54151ECOM	Lumen	132-52.10922	ANS Service MRC - 500 Mbps - Service Level Content Filtering (optional charge in addition to Basic or Premium)	MRC	$ 846.35
54151ECOM	Lumen	132-52.10923	ANS Service MRC - 500 Mbps -Anti-Malware (optional charge in addition to Basic or Premium)	MRC	$ 881.61
54151ECOM	Lumen	132-52.10924	ANS Service MRC - 1000 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	MRC	$ 2,619.65
54151ECOM	Lumen	132-52.10925	ANS Service MRC - 1000 Mbps - Service Level Basic	MRC	$ 3,326.08
54151ECOM	Lumen	132-52.10926	ANS Service MRC - 1000 Mbps - Service Level Premium	MRC	$ 5,385.57
54151ECOM	Lumen	132-52.10927	ANS Service MRC - 1000 Mbps - Service Level Content Filtering (optional charge in addition to Basic or Premium)	MRC	$ 1,484.83
54151ECOM	Lumen	132-52.10928	ANS Service MRC - 1000 Mbps -Anti-Malware (optional charge in addition to Basic or Premium)	MRC	$ 1,277.08
54151ECOM	Lumen	132-52.10929	ANS Service MRC - 2000 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	MRC	$ 5,239.29
54151ECOM	Lumen	132-52.10930	ANS Service MRC - 2000 Mbps - Service Level Basic	MRC	$ 6,216.64
54151ECOM	Lumen	132-52.10931	ANS Service MRC - 2000 Mbps - Service Level Premium	MRC	$ 9,027.42
54151ECOM	Lumen	132-52.10932	ANS Firewall Service Instance MRC - 2000 Mbps - Service Level Content Filtering (optional charge in addition to Basic or Premium)	MRC	$ 2,787.66
54151ECOM	Lumen	132-52.10933	ANS Firewall Service Instance MRC - 2000 Mbps -Anti-Malware (optional charge in addition to Basic or Premium)	MRC	$ 2,488.66
54151ECOM	Lumen	132-52.10934	ANS Firewall Service Instance MRC - 3000 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	MRC	$ 6,649.87
54151ECOM	Lumen	132-52.10935	ANS Firewall Service Instance MRC - 3000 Mbps - Service Level Basic	MRC	$ 7,706.09
54151ECOM	Lumen	132-52.10936	ANS Firewall Service Instance MRC - 3000 Mbps - Service Level Premium	MRC	$ 10,720.15
54151ECOM	Lumen	132-52.10937	ANS Firewall Service Instance MRC - 3000 Mbps - Service Level Content Filtering (optional charge in addition to Basic or Premium)	MRC	$ 3,461.17
54151ECOM	Lumen	132-52.10938	ANS Firewall Service Instance MRC - 3000 Mbps -Anti-Malware (optional charge in addition to Basic or Premium)	MRC	$ 3,989.92
54151ECOM	Lumen	132-52.10939	ANS Firewall Service Instance NRC - 15 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	NRC	$ 249.37
54151ECOM	Lumen	132-52.10940	ANS Firewall Service Instance NRC - 15 Mbps - Service Level Basic	NRC	$ 846.35
54151ECOM	Lumen	132-52.10941	ANS Firewall Service Instance NRC - 15 Mbps - Service Level Premium	NRC	$ 1,491.18
54151ECOM	Lumen	132-52.10942	ANS Firewall Service Instance NRC - 15 Mbps - Service Level Content Filtering	NRC	$ 322.42
54151ECOM	Lumen	132-52.10943	ANS Firewall Service Instance MRC - 15 Mbps -Anti-Malware	NRC	$ 322.42
54151ECOM	Lumen	132-52.10944	ANS Firewall Service Instance NRC - 50 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	NRC	$ 201.51
54151ECOM	Lumen	132-52.10945	ANS Firewall Service Instance NRC - 50 Mbps - Service Level Basic	NRC	$ 846.35
54151ECOM	Lumen	132-52.10946	ANS Firewall Service Instance NRC - 50 Mbps - Service Level Premium	NRC	$ 1,491.18
54151ECOM	Lumen	132-52.10947	ANS Firewall Service Instance NRC - 50 Mbps - Service Level Content Filtering	NRC	$ 322.42
54151ECOM	Lumen	132-52.10948	ANS Firewall Service Instance MRC - 50 Mbps -Anti-Malware	NRC	$ 322.42
54151ECOM	Lumen	132-52.10949	ANS Firewall Service Instance NRC - 100 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	NRC	$ 201.51
54151ECOM	Lumen	132-52.10950	ANS Firewall Service Instance NRC - 100 Mbps - Service Level Basic	NRC	$ 846.35
54151ECOM	Lumen	132-52.10951	ANS Firewall Service Instance NRC - 100 Mbps - Service Level Premium	NRC	$ 1,491.18
54151ECOM	Lumen	132-52.10952	ANS Firewall Service Instance NRC - 100 Mbps - Service Level Content Filtering	NRC	$ 322.42
54151ECOM	Lumen	132-52.10953	ANS Firewall Service Instance MRC - 100 Mbps -Anti-Malware	NRC	$ 322.42
54151ECOM	Lumen	132-52.10954	ANS Firewall Service Instance NRC - 150 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	NRC	$ 201.51
54151ECOM	Lumen	132-52.10955	ANS Firewall Service Instance NRC - 150 Mbps - Service Level Basic	NRC	$ 846.35

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
54151ECOM	Lumen	132-52.10956	ANS Firewall Service Instance NRC - 150 Mbps - Service Level Premium	NRC	$ 1,491.18
54151ECOM	Lumen	132-52.10957	ANS Firewall Service Instance NRC - 150 Mbps - Service Level Content Filtering	NRC	$ 322.42
54151ECOM	Lumen	132-52.10958	ANS Firewall Service Instance MRC - 150 Mbps -Anti-Malware	NRC	$ 322.42
54151ECOM	Lumen	132-52.10959	ANS Firewall Service Instance NRC - 200 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	NRC	$ 188.92
54151ECOM	Lumen	132-52.10960	ANS Firewall Service Instance NRC - 200 Mbps - Service Level Basic	NRC	$ 793.45
54151ECOM	Lumen	132-52.10961	ANS Firewall Service Instance NRC - 200 Mbps - Service Level Premium	NRC	$ 1,397.98
54151ECOM	Lumen	132-52.10962	ANS Firewall Service Instance NRC - 200 Mbps - Service Level Content Filtering	NRC	$ 302.27
54151ECOM	Lumen	132-52.10963	ANS Firewall Service Instance MRC - 200 Mbps -Anti-Malware	NRC	$ 302.27
54151ECOM	Lumen	132-52.10964	ANS Firewall Service Instance NRC - 300 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	NRC	$ 188.92
54151ECOM	Lumen	132-52.10965	ANS Firewall Service Instance NRC - 300 Mbps - Service Level Basic	NRC	$ 793.45
54151ECOM	Lumen	132-52.10966	ANS Firewall Service Instance NRC - 300 Mbps - Service Level Premium	NRC	$ 1,397.98
54151ECOM	Lumen	132-52.10967	ANS Firewall Service Instance NRC - 300 Mbps - Service Level Content Filtering	NRC	$ 302.27
54151ECOM	Lumen	132-52.10968	ANS Firewall Service Instance MRC - 300 Mbps -Anti-Malware	NRC	$ 302.27
54151ECOM	Lumen	132-52.10969	ANS Firewall Service Instance NRC - 500 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	NRC	$ 176.32
54151ECOM	Lumen	132-52.10970	ANS Firewall Service Instance NRC - 500 Mbps - Service Level Basic	NRC	$ 740.55
54151ECOM	Lumen	132-52.10971	ANS Firewall Service Instance NRC - 500 Mbps - Service Level Premium	NRC	$ 1,304.79
54151ECOM	Lumen	132-52.10972	ANS Firewall Service Instance NRC - 500 Mbps - Service Level Content Filtering	NRC	$ 282.12
54151ECOM	Lumen	132-52.10973	ANS Firewall Service Instance MRC - 500 Mbps -Anti-Malware	NRC	$ 282.12
54151ECOM	Lumen	132-52.10974	ANS Firewall Service Instance NRC -1000 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	NRC	$ 151.13
54151ECOM	Lumen	132-52.10975	ANS Firewall Service Instance NRC - 1000 Mbps - Service Level Basic	NRC	$ 634.76
54151ECOM	Lumen	132-52.10976	ANS Firewall Service Instance NRC - 1000 Mbps - Service Level Premium	NRC	$ 1,118.39
54151ECOM	Lumen	132-52.10977	ANS Firewall Service Instance NRC - 1000 Mbps - Service Level Content Filtering	NRC	$ 241.81
54151ECOM	Lumen	132-52.10978	ANS Firewall Service Instance MRC - 1000 Mbps -Anti-Malware	NRC	$ 241.81
54151ECOM	Lumen	132-52.10979	ANS Firewall Service Instance NRC - 2000 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	NRC	$ 151.13
54151ECOM	Lumen	132-52.10980	ANS Firewall Service Instance NRC - 2000 Mbps - Service Level Basic	NRC	$ 634.76
54151ECOM	Lumen	132-52.10981	ANS Firewall Service Instance NRC - 2000 Mbps - Service Level Premium	NRC	$ 1,118.39
54151ECOM	Lumen	132-52.10982	ANS Firewall Service Instance NRC - 2000 Mbps - Service Level Content Filtering	NRC	$ 241.81
54151ECOM	Lumen	132-52.10983	ANS Firewall Service Instance MRC - 2000 Mbps -Anti-Malware	NRC	$ 241.81
54151ECOM	Lumen	132-52.10984	ANS Firewall Service Instance NRC - 3000 Mbps - Service Level Basic No Features (remote access site encrypted tunnel)	NRC	$ 151.13
54151ECOM	Lumen	132-52.10985	ANS Firewall Service Instance NRC - 3000 Mbps - Service Level Basic	NRC	$ 634.76
54151ECOM	Lumen	132-52.10986	ANS Firewall Service Instance NRC - 3000 Mbps - Service Level Premium	NRC	$ 1,118.39
54151ECOM	Lumen	132-52.10987	ANS Firewall Service Instance NRC - 3000 Mbps - Service Level Content Filtering	NRC	$ 241.81
54151ECOM	Lumen	132-52.10988	ANS Firewall Service Instance MRC - 3000 Mbps -Anti-Malware	NRC	$ 241.81
54151ECOM	Lumen	132-52.10989	ANS Mobility Remote Access Client (concurrent users) 5, 10 (per user) per ANS Firewall Service Instance	MRC	$ 9.07
54151ECOM	Lumen	132-52.10990	ANS Mobility Remote Access Client (concurrent users) 25-100 (per user) per ANS Firewall Service Instance	MRC	$ 6.35

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MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
54151ECOM	Lumen	132-52.10991	ANS Mobility Remote Access Client (concurrent users) 125-500 (per user) per ANS Firewall Service Instance	MRC	$ 5.64
54151ECOM	Lumen	132-52.10992	ANS Mobility Remote Access Client (concurrent users) 600-2500 (per user) per ANS Firewall Service Instance	MRC	$ 4.58
54151ECOM	Lumen	132-52.10993	ANS Mobility Remote Access Client (concurrent users) 3000-10,000 (per user) per ANS Firewall Service Instance	MRC	$ 3.93
54151ECOM	Lumen	132-52.10994	ANS Mobility Remote Access Client (concurrent users) 15,0000-50,0000 (per user) per ANS Firewall Service Instance	MRC	$ 3.27
54151ECOM	Lumen	132-52.10995	ANS Mobility Remote Access Client (concurrent users) 60,000-100,000 (per user)per ANS Firewall Service Instance	MRC	$ 2.62

3.7.34 Cyxtera

MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
54151ECOM	132-52.11013	Cyxtera	DEN1-USABLKW	Cyxtera- Cage Per Usable kW- DEN1	MRC	$ 255.08
54151ECOM	132-52.11014	Cyxtera	DEN2-USABLKW	Cyxtera- Cage Per Usable kW- DEN2	MRC	$ 255.08
54151ECOM	132-52.11015	Cyxtera	ORD1-USABLKW	Cyxtera- Cage Per Usable kW- ORD1	MRC	$ 390.93
54151ECOM	132-52.11016	Cyxtera	ORD2-USABLKW	Cyxtera- Cage Per Usable kW- ORD2	MRC	$ 229.67
54151ECOM	132-52.11018	Cyxtera	IAD1-USABLKW	Cyxtera- Cage Per Usable kW- IAD1	MRC	$ 234.56
54151ECOM	132-52.11019	Cyxtera	IAD2-USABLKW	Cyxtera- Cage Per Usable kW- IAD2	MRC	$ 234.56
54151ECOM	132-52.11020	Cyxtera	IAD3-USABLKW	Cyxtera- Cage Per Usable kW- IAD3	MRC	$ 234.56
54151ECOM	132-52.11021	Cyxtera	LAX1-USABLKW	Cyxtera- Cage Per Usable kW- LAX1	MRC	$ 273.65
54151ECOM	132-52.11022	Cyxtera	LAX2-USABLKW	Cyxtera- Cage Per Usable kW- LAX2	MRC	$ 342.07
54151ECOM	132-52.11023	Cyxtera	LAX3-USABLKW	Cyxtera- Cage Per Usable kW- LAX3	MRC	$ 236.51
54151ECOM	132-52.11024	Cyxtera	DCSEACCBGBGSU	Cyxtera- Access Controls (Badge,Badge) - setup (NRC)	NRC	$ 7,979.85
54151ECOM	132-52.11025	Cyxtera	DCSEACCBGBTSU	Cyxtera- Access Controls (Badge,Button) - setup (NRC)	NRC	$ 7,979.85
54151ECOM	132-52.11026	Cyxtera	DCSEACCBIBGSU	Cyxtera- Access Controls (Biometric,Badge) - setup (NRC)	NRC	$10,972.29
54151ECOM	132-52.11027	Cyxtera	DCSEACCBIBTSU	Cyxtera- Access Controls (Biometric,Button) - setup (NRC)	NRC	$ 8,977.33
54151ECOM	132-52.11028	Cyxtera	DCMTCAB426001070	Cabinet 42U (600mm W x 1070mm D)	NRC	$ 1,496.22
54151ECOM	132-52.11029	Cyxtera	DCMTCAB428001200	Cabinet 42U Premium (800mm W x 1200mm D)	NRC	$ 2,493.70
54151ECOM	132-52.11030	Cyxtera	DCMTCAB456001070	Cabinet 45U (600mm W x 1070mm D)	NRC	$ 1,670.78
54151ECOM	132-52.11031	Cyxtera	DCMTCAB456001200	Cabinet 45U Deep (600mm w x 1200mm D)	NRC	$ 2,099.70
54151ECOM	132-52.11032	Cyxtera	DCMTCAB457501070	Cabinet 45U Wide (750mm W x 1070mm D)	NRC	$ 1,994.96
54151ECOM	132-52.11033	Cyxtera	DCMTCAB486001200	Cabinet 48U (600mm W x 1200mm D)	NRC	$ 2,309.17
54151ECOM	132-52.11034	Cyxtera	DCMTCAB488001200	Cabinet 48U Premium (800mm W x 1200mm D)	NRC	$ 2,493.70
54151ECOM	132-52.11035	Cyxtera	DCMTCUSCABRK	Cyxtera- Customer Provided Cabinet/Rack	NRC	$ 498.74
54151ECOM	132-52.11036	Cyxtera	DCPSDISCOCBRCK	Cyxtera- Cabinet Disconnect (per cabinet)	NRC	$ 199.50
54151ECOM	132-52.11037	Cyxtera	DCPWCUSPOWSTR	Cyxtera- Customer Provided Power Strip	NRC	$ 43.98
54151ECOM	132-52.11038	Cyxtera	DCAC12020SNSU	Cyxtera- Non-Redundant Power Circuit (120v,20A,SP) - setup	NRC	$ 598.49
54151ECOM	132-52.11039	Cyxtera	DCAC12020SRSU	Cyxtera- Redundant Power Circuit (120v,20A,SP) - setup	NRC	$ 1,196.98
54151ECOM	132-52.11040	Cyxtera	DCAC12030SNSU	Cyxtera- Non-Redundant Power Circuit (120v,30A,SP) - setup	NRC	$ 598.49
54151ECOM	132-52.11041	Cyxtera	DCAC12030SRSU	Cyxtera- Redundant Power Circuit (120v,30A,SP) - setup	NRC	$ 1,196.98
54151ECOM	132-52.11042	Cyxtera	DCAC208203NSU	Cyxtera- Non-Redundant Power Circuit (208v,20A,3P) - setup	NRC	$ 1,097.23
54151ECOM	132-52.11043	Cyxtera	DCAC208203RSU	Cyxtera- Redundant Power Circuit (208v,20A,3P) - setup	NRC	$ 2,194.46
54151ECOM	132-52.11044	Cyxtera	DCAC20820SNSU	Cyxtera- Non-Redundant Power Circuit (208v,20A,SP) - setup	NRC	$ 897.73
54151ECOM	132-52.11045	Cyxtera	DCAC20820SRSU	Cyxtera- Redundant Power Circuit (208v,20A,SP) - setup	NRC	$ 1,795.47
54151ECOM	132-52.11046	Cyxtera	DCAC208303NSU	Cyxtera- Non-Redundant Power Circuit (208v,30A,3P) - setup	NRC	$ 1,097.23
54151ECOM	132-52.11047	Cyxtera	DCAC208303RSU	Cyxtera- Redundant Power Circuit (208v,30A,3P) - setup	NRC	$ 2,194.46
54151ECOM	132-52.11048	Cyxtera	DCAC20830SNSU	Cyxtera- Non-Redundant Power Circuit (208v,30A,SP) - setup	NRC	$ 897.73
54151ECOM	132-52.11049	Cyxtera	DCAC20830SRSU	Cyxtera- Redundant Power Circuit (208v,30A,SP) - setup	NRC	$ 1,795.47

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
54151ECOM	132-52.11050	Cyxtera	DCAC208503NSU	Cyxtera- Non-Redundant Power Circuit (208v,50A,3P) - setup	NRC	$ 1,097.23
54151ECOM	132-52.11051	Cyxtera	DCAC208503RSU	Cyxtera- Redundant Power Circuit (208v,50A,3P) - setup	NRC	$ 2,194.46
54151ECOM	132-52.11052	Cyxtera	DCAC20850SNSU	Cyxtera- Non-Redundant Power Circuit (208v,50A,SP) - setup	NRC	$ 897.73
54151ECOM	132-52.11053	Cyxtera	DCAC20850SRSU	Cyxtera- Redundant Power Circuit (208v,50A,SP) - setup	NRC	$ 1,795.47
54151ECOM	132-52.11054	Cyxtera	DCAC208603NSU	Cyxtera- Non-Redundant Power Circuit (208v,60A,3P) - setup	NRC	$ 1,097.23
54151ECOM	132-52.11055	Cyxtera	DCAC208603RSU	Cyxtera- Redundant Power Circuit (208v,60A,3P) - setup	NRC	$ 2,194.46
54151ECOM	132-52.11056	Cyxtera	DCAC20860SNSU	Cyxtera- Non-Redundant Power Circuit (208v,60A,SP) - setup	NRC	$ 897.73
54151ECOM	132-52.11057	Cyxtera	DCAC20860SRSU	Cyxtera- Redundant Power Circuit (208v,60A,SP) - setup	NRC	$ 1,795.47
54151ECOM	132-52.11058	Cyxtera	DCPSDISCOPWR	Cyxtera- Power Circuit Disconnect (per circuit)	NRC	$ 398.99
54151ECOM	132-52.11059	Cyxtera	DCSPCGWLLPEGS	Cage Wall Materials - Per Enclosure - Growth Space	NRC	$ 2,079.75
54151ECOM	132-52.11060	Cyxtera	DCSPCGWLLPE	Cage Wall Materials - Per Enclosure (Includes One Door Per Cage)	NRC	$ 2,079.75
54151ECOM	132-52.11061	Cyxtera	DCSPCGCAPPE	Secure Cage Cap Materials - Per Enclosure	NRC	$ 2,079.75
54151ECOM	132-52.11062	Cyxtera	DCSPCGCAPPEGS	Secure Cage Cap Materials - Per Enclosure - Growth Space	NRC	$ 2,079.75
54151ECOM	132-52.11065	Cyxtera	DCSPFBRGDPE	Fiber Guide (6"x4",With Downspouts)†- Per Enclosure (Includes One Downspout Per Enclosure)	NRC	$ 713.20
54151ECOM	132-52.11066	Cyxtera	DCSPLDRRKADTPE	Ladder Rack (12", Additional Tier Tier) Materials - Per Enclosure	NRC	$ 164.58
54151ECOM	132-52.11067	Cyxtera	DCSPLDRRKPE	Ladder Rack (12",Single Tier) Materials - Per Enclosure	NRC	$ 164.58
54151ECOM	132-52.11068	Cyxtera	DCPSGLDSPBK	Gold Support (Block)	NRC	$ 224.43
54151ECOM	132-52.11069	Cyxtera	DCPSGLDSPOD	Gold Support (On-Demand)	NRC	$ 224.43
54151ECOM	132-52.11070	Cyxtera	DCPSGLDSPSUB	Gold Support (subscription 1)	MRC	$ 224.43
54151ECOM	132-52.11071	Cyxtera	DIDCOPR06BD	Cyxtera- Ecosystem Connect (6 Bundle Copper)	NRC	$ 398.99
54151ECOM	132-52.11072	Cyxtera	DIDCOAX06BD	Cyxtera- Ecosystem Connect (6 Bundle COAX)	NRC	$ 773.05
54151ECOM	132-52.11073	Cyxtera	DIDSMFBR06BD	Cyxtera- Ecosystem Connect (6 Bundle SM Fiber)	NRC	$ 693.25
54151ECOM	132-52.11074	Cyxtera	DIDMMFBR06BD	Cyxtera- Ecosystem Connect (6 Bundle MM Fiber)	NRC	$ 822.92
54151ECOM	132-52.11075	Cyxtera	DIDCOPR12BD	Ecosystem Connect (12 Bundle Copper)	NRC	$ 523.68
54151ECOM	132-52.11076	Cyxtera	DIDMMFBR12BD	Ecosystem Connect (12 Bundle MM Fiber)	NRC	$ 1,620.91
54151ECOM	132-52.11077	Cyxtera	DIDSMFBR12BD	Ecosystem Connect (12 Bundle SM Fiber)	NRC	$ 977.53
54151ECOM	132-52.11078	Cyxtera	DIDMMFBR24BD	Ecosystem Connect (24 Bundle MM Fiber)	NRC	$ 3,890.18
54151ECOM	132-52.11079	Cyxtera	DIDSMFBR24BD	Ecosystem Connect (24 Bundle SM Fiber)	NRC	$ 2,992.44
54151ECOM	132-52.11080	Cyxtera	DIDMMFBR48BD	Ecosystem Connect (48 Bundle MM Fiber)	NRC	$ 6,284.13
54151ECOM	132-52.11081	Cyxtera	DIDSMFBR48BD	Ecosystem Connect (48 Bundle SM Fiber)	NRC	$ 4,513.60
54151ECOM	132-52.11082	Cyxtera	DIDMMFBR72BD	Ecosystem Connect (72 Bundle MM Fiber)	NRC	$ 9,675.57
54151ECOM	132-52.11083	Cyxtera	DIDSMFBR72BD	Ecosystem Connect (72 Bundle SM Fiber)	NRC	$ 6,084.63
54151ECOM	132-52.11084	Cyxtera	DICCPOTXCON	Cyxtera- POTS Cross Connect - MRC	MRC	$ 97.73
54151ECOM	132-52.11085	Cyxtera	DICCCOPXCON	Cyxtera- Copper Cross Connect - MRC	MRC	$ 342.07
54151ECOM	132-52.11086	Cyxtera	DICCCOAXCON	Cyxtera- COAX Cross Connect - MRC	MRC	$ 342.07
54151ECOM	132-52.11087	Cyxtera	DICCFIBXCON	Cyxtera- Fiber Cross Connect - MRC	MRC	$ 342.07
54151ECOM	132-52.11089	Cyxtera	DICCPOTXCONSU	Cyxtera- POTS Cross Connect - (NRC)	NRC	$ 97.73
54151ECOM	132-52.11090	Cyxtera	DICCCOPXCSTUP	Cyxtera- Copper Cross Connect - (NRC)	NRC	$ 195.47
54151ECOM	132-52.11091	Cyxtera	DICCCOAXCONSU	Cyxtera- COAX Cross Connect - (NRC)	NRC	$ 195.47
54151ECOM	132-52.11092	Cyxtera	DICCFIBXCONSU	Cyxtera- Fiber Cross Connect - (NRC)	NRC	$ 195.47

3.7.35 Lumen Network Storage (LNS)

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
54151ECOM	Lumen	132-52.12060	Dedicated Network Storage as a Service, Secure, US persons support, Encryption, Enterprise performance (Must order 84TB, 3-year) $0.04/GB	MRC	$ 0.04
54151ECOM	Lumen	132-52.12061	Dedicated Network Storage as a Service, Secure, US persons support, Encryption, Enterprise performance (Must order 200TB, 3-year). $0.03/GB	MRC	$ 0.03

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3.7.36 Verge SentientDB

MAS SIN	Manufacturer Name	MFR Part Number	Product Description	Type	GSA Price with IFF
54151ECOM	Lumen	132-52.12340	Monthly DB Instances per DB charge – 100-500. Requires an SOW	MRC	$ 74.81
54151ECOM	Lumen	132-52.12341	Monthly DB Instances per DB charge 500. Requires an SOW	MRC	$ 69.82
54151ECOM	Lumen	132-52.12342	Monthly DB Instances per DB charge1,000. Requires an SOW	MRC	$ 64.84
54151ECOM	Lumen	132-52.12343	Monthly DB Instances per DB charge5,000. Requires an SOW	MRC	$ 59.85
54151ECOM	Lumen	132-52.12344	Monthly DB Instances per DB charge10,000. Requires an SOW	MRC	$ 54.86
54151ECOM	Lumen	132-52.12345	Monthly DB Instances per DB charge15,000. Requires an SOW	MRC	$ 54.86
54151ECOM	Lumen	132-52.12346	Monthly DB Instances per DB charge20,000. Requires an SOW	MRC	$ 54.86
54151ECOM	Lumen	132-52.12347	Monthly DB Instances per DB charge25,000. Requires an SOW	MRC	$ 44.89
54151ECOM	Lumen	132-52.12348	Monthly DB Instances per DB charge30,000. Requires an SOW	MRC	$ 44.89
54151ECOM	Lumen	132-52.12349	Monthly DB Instances per DB charge35,000. Requires an SOW	MRC	$ 44.89
54151ECOM	Lumen	132-52.12350	Monthly DB Instances per DB charge40,000. Requires an SOW	MRC	$ 39.90
54151ECOM	Lumen	132-52.12351	Monthly DB Instances per DB charge50,000. Requires an SOW	MRC	$ 39.90
54151ECOM	Lumen	132-52.12352	Monthly DB Instances per DB charge50,000+. Requires an SOW	MRC	$ 39.90
54151ECOM	Lumen	132-52.12353	<100 DB package (1-99). Flat monthly MRC. Requires an SOW	MRC	$ 7,481.11

3.8 MULTIPLE AWARD SCHEDULE (MAS) SIN ANCILLARY SUPPLIES AND SERVICES AND PRICING

3.8.1 ADTRAN Products and Pricing

MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
ANCILLARY	132-100.106	ADTRAN	1975044L1	BATTERY 12VDC, CLOSED CELL	NRC	$ 32.58
ANCILLARY	132-100.107	ADTRAN	1200884G1	NV 1U RACKMOUNT BRACKET KIT	NRC	$ 28.30
ANCILLARY	132-100.108	ADTRAN	1202827G1	NV 3430 (2ND GEN) RACKMNT KIT	NRC	$ 28.30
ANCILLARY	132-100.109	ADTRAN	1903012L6	NTVANTA SPARE PWR SUPPLY (12V)	NRC	$ 32.83
ANCILLARY	132-100.110	ADTRAN	1200505L1	NETVANTA 23" RACKMOUNT BRACKET	NRC	$ 28.30
ANCILLARY	132-100.112	ADTRAN	1700508F1	NV1500V2 19" DUAL MOUNTNG TRAY	NRC	$ 139.22
ANCILLARY	132-100.113	ADTRAN	1200927L1	TA 912/16/24 L1 BATT BRKT	NRC	$ 28.30
ANCILLARY	132-100.114	ADTRAN	1200927L18	TA 904/908 19" RM BRKT	NRC	$ 28.30
ANCILLARY	132-100.115	ADTRAN	1200927L19	TA 900 19" RM BRKT	NRC	$ 28.30
ANCILLARY	132-100.116	ADTRAN	1200927L2	TA 912/16/24 L2 BATT BRKT	NRC	$ 28.30
ANCILLARY	132-100.117	ADTRAN	1200927L23	TA 900 23" RM BRKT	NRC	$ 28.30
ANCILLARY	132-100.120	ADTRAN	1200412G1	HRM	NRC	$ 112.06
ANCILLARY	132-100.121	ADTRAN	1200293L1	19 TO 23 INCH RACK ADAPTER 1U	NRC	$ 21.76
ANCILLARY	132-100.122	ADTRAN	1200293L3	MX2800 WALL MOUNT BRACKETS	NRC	$ 25.39
ANCILLARY	132-100.123	ADTRAN	1200293L4	MX2800 RACKMOUNT BRCKTS,SPARES	NRC	$ 19.34
ANCILLARY	132-100.124	ADTRAN	1200293L6	MX2800 DC POWER CONNECTOR	NRC	$ 12.09
ANCILLARY	132-100.125	ADTRAN	1200293L7	MX2800 ALARM CONNECTOR	NRC	$ 12.09
ANCILLARY	132-100.126	ADTRAN	1200466L1	MX2800 FACEPLATE FAN	NRC	$ 195.87
ANCILLARY	132-100.127	ADTRAN	1202289L3	MX2800	NRC	$ 158.40
ANCILLARY	132-100.128	ADTRAN	4200466L2	MX2800 FACEPLATE FAN W/DC PS	NRC	$ 455.82
ANCILLARY	132-100.129	ADTRAN	1186006L1	23 INCH FAN ASSEBLY, 1U	NRC	$ 391.72
ANCILLARY	132-100.130	ADTRAN	1186006L2	23IN FLOW THRU FAN	NRC	$ 443.75
ANCILLARY	132-100.131	ADTRAN	1186008L1	23IN REPLACEMENT FAN	NRC	$ 315.59
ANCILLARY	132-100.132	ADTRAN	1186009L1	23IN FAN REPLACEMENT FILTER	NRC	$ 53.20
ANCILLARY	132-100.133	ADTRAN	1186009L2	FLOW THRU FAN RPLCMNT FILTR L2	NRC	$ 50.78
ANCILLARY	132-100.134	ADTRAN	1186009L3	FLO THRU FAN ADD ON FILTER KIT	NRC	$ 89.47
ANCILLARY	132-100.135	ADTRAN	1186010L1	MX2820 MUX BLANK CARD	NRC	$ 14.51
ANCILLARY	132-100.136	ADTRAN	1186011L1	MX2820 CLOCK BLANK CARD	NRC	$ 21.76
ANCILLARY	132-100.149	ADTRAN	1175050L1	ADTRAN - 19IN PWR SPPLY MNTNG BRCKT	NRC	$ 53.20
ANCILLARY	132-100.150	ADTRAN	1175051L1	ADTRAN - 23IN PWR SPPLY MNTNG BRCKT	NRC	$ 66.50
ANCILLARY	132-100.151	ADTRAN	1184005L1	ADTRAN—OPTI-3 BLANK FACEPLATE	NRC	$ 19.34
ANCILLARY	132-100.153	ADTRAN	1700960F1	ADTRAN—9/16 T-Bar kit for ceiling panel mount for BSAP 193X/203X	NRC	$ 23.20
ANCILLARY	132-100.154	ADTRAN	1203927G19	ADTRAN—UNIV RACK/WALL MOUNT BRKT, 3rd	NRC	$ 28.30
ANCILLARY	132-100.155	ADTRAN	1700509G1	ADTRAN—19" TO 23" RACK ADAPTER	NRC	$ 46.41
ANCILLARY	132-100.160	ADTRAN	1700941F1	ADTRAN—SPARE MNT KIT BSAP 192X	NRC	$ 23.77
ANCILLARY	132-100.161	ADTRAN	1700942F1	ADTRAN—SPARE MOUNT KIT BSAP 193X/20XX	NRC	$ 23.77
ANCILLARY	132-100.162	ADTRAN	1700943F1	ADTRAN—SPARE MOUNT KIT BSAP 1940/21X5	NRC	$ 46.41
ANCILLARY	132-100.165	ADTRAN	1172983G1	NETVANTA 838 BRACKETS, SPARES	NRC	$ 10.88
ANCILLARY	132-100.169	ADTRAN	1172984G1	NV T 19" RACK MNT INSTALL KIT	NRC	$ 38.69
ANCILLARY	132-100.171	ADTRAN	1175047L2	ADTRAN—19IN BATTERY PACK BRACKET KIT	NRC	$ 38.69
ANCILLARY	132-100.172	ADTRAN	1700518F1	ADTRAN 19" SDX RACKMOUNT BRACKET-8 PO	NRC	$ 23.70
ANCILLARY	132-100.173	ADTRAN	1700520F1	ADTRAN SDX WALLMOUNT BRACKET-24 PORT	NRC	$ 14.56

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MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
ANCILLARY	132-100.174	ADTRAN	1700519F1	ADTRAN 19" SDX RACKMOUNT BRACKET-24/4	NRC	$ 14.56

3.8.2 Ciena Products and Pricing

MAS SIN	SubSIN	Manufacturer Name	MFR Part Number	Product Name/ Service Proposed	Type	GSA Price w/ IFF
ANCILLARY	132-100.211	Ciena	495-0000-001	Freight/Handling Charges	NRC	$ 1.15

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