



Universal Service
Administrative Co.

FCC Form 470 – Funding Year 2023

Form 470 Application Number: 230000227

PA State PEPPM Contract

Billed Entity

PA State PEPPM Consortium (Central Susquehanna Intermediate Unit)
90 Lawton Lane
Milton, PA 17847
Northumberland
570-523-1155
jtschell@comcast.net

Contact Information

Amber Lind
alind@csiu.org
570-246-5937

Billed Entity Number: 17000299

FCC Registration Number: 0011729043

Application Type

Applicant Type: Consortium

Statewide State: PA

Recipients of Services: Bookmobile; Charter School; Detention Center; ESA School; General-Use School; Head Start; Juvenile Justice; Kiosk; Main Branch; New Construction Library; New Construction School; Pre-K; Swing Space

Number of Eligible Entities: 760

Statewide Application Represents: All public schools/districts in the state; All non-public schools in the state; All libraries in the state

Consulting Firms

Name	Consultant Registration Number	Phone Number	Email
Tritt Schell Consulting Services	16043685	717-730-7133	jtschell@comcast.net

Consultants

Name	Phone Number	Email
Julie Tritt Schell	717-730-7133	jtschell@comcast.net

RFPs

Id	Name
138575	PEPPM 2023 Product Line Bid _ eBid Documents
138576	23PLPA _ Bid List 07
138577	E_rate_Category_List_2023_v01
138578	23PLPA _ Questions 05 _ new format _ updated questions
138579	Epylon_Merchant_Agreement_2022
138669	Amendment 1 Combined PDF Aug 22 2022
138670	E_rate_Category_List_2023_v03 Amendment I

Category One Service Requests

Service Type	Function	Function Other Description	Minimum Capacity	Maximum Capacity	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Data Transmission and/or Internet Access	Category One Network Equipment		10 Mbps	100 Gbps	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Data Transmission and/or Internet Access	Category One Maintenance and Operations		10 Mbps	100 Gbps	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670

Description of Other Functions

Id	Name
Narrative	<p>This RFP is for the complete rebid of the PA State PEPPM Contract. There are more than 530 product lines included in this procurement, of which 78 offer E-rate eligible products/services. Each eligible product line has been added to the Form 470 as Category 2 for each unique category of service it serves, for both internal connections, & basic maintenance. Further, the product lines featuring network-related equipment also are included as a Category 1 Network Equipment and Category 1 Maintenance and Operations bids. Also, the form does not permit the addition of manufacturer name to the managed internal broadband (MIBS) category, so a single entry has been made for all product lines being bid representing that category. Vendors interested in adding equivalent product lines should note the specific process, requirements and timeline for doing so in the Bid Documents.</p> <p>/</p> <p>The current Form 470 format requires the unit quantity. The PEPPM Contract is bid on the quantity of one to establish a unit contract price. A single contract is then signed with the lowest responsible, qualified bidder for each product line. Because PEPPM is considered a multiple award contract, applicants then conduct an E-rate mini-bid process - described in the RFP Terms and Conditions - by seeking bids for specific products/services/quantities from all awarded product lines in the specific category.</p> <p>/</p> <p>Note: the Form 470 states that the PA State PEPPM Consortium (Central Susquehanna Intermediate Unit) is the Billed Entity which is not accurate. Although CSIU will sign a single contract with the lowest responsible, qualified bidder for each product line, each LEA will sign its own separate contract with the lowest responsible bidder resulting from a PEPPM mini-bid procurement and file the Form 471 as their own Billed Entity.</p> <p>/</p> <p>The Form 470 also requires the number of entities served. In PA, all public schools, nonpublic schools and libraries may purchase from this cooperative purchasing contract. However, more than 760 specific PA schools, libraries and consortia have submitted electronic E-rate Letters of Agency and may be use this contract for E-rate eligible purchases. Prospective bidders should note that this is the maximum number of entities that may be seeking mini-bids from awarded vendors, not the actual number of entities that will be requesting mini-bids. Since FY 2019, more than \$96 million has been requested as the pre-discount cost for E-rate eligible equipment using the PA State PEPPM Contract mini-bid procurement process.</p> <p>/</p> <p>The E-rate eligible product lines, or their equivalents, included on this 470 are as follows:</p> <p>Actnet AES Intellinet Adtran Alcatel-Lucent Allied Telesis APC Arctic Wolf Networks Axiom Baicells Technologies Barracuda Belden Belkin Black Box Cables2Go CABLExpress Cambium Networks Checkpoint Ciena Cisco Citrix Commscope ContentKeeper Cradlepoint CrowdStrike Cylance D-Link Day Automation</p>

Dell
Digium
DMSI
Dynacom Network Products
Eaton
EnGenius
Extreme Networks
F5 Networks
Fluke
Fortinet
Grandstream Networks
Hammond Manufacturing
Hewlett Packard Enterprise
Hitachi Cable America
Hubbell
iBoss Web Filters
Infoblox
Juniper Networks
Lightspeed Systems
McAfee
Middle Atlantic Products
Mimosa Networks
Minuteman
Motorola - Wireless Broadband
Motorola Solutions - Two-Way Radios
N1 Critical Technologies
NEC - Telecommunications
Palo Alto
Panduit Corporation
Primus Cable
Proline Options
Pulse Secure
Remee Wire & Cable
Ruckus Wireless
Samsung - Networking/Voice
Secureworks
SentinelOne
Siklu
Smoothwall
SolarWinds
SonicWall
Sophos
Terracom
Trend Micro
Tripp Lite
Ubiquiti
Varitronics
Vertical Communications
Vertiv
WatchGuard
West Penn Wire
Xtel Communications

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All bidding documents are included in this RFP; however, vendors that wish to download the bidding documents outside of EPC may do so at: <https://www.peppm.org/bids/default.htm>. These are the identical documents that are attached to the online Form 470. The term of the contracts shall be January 1, 2023 - December 31, 2025, with a 1-year optional extension, unless otherwise terminated or cancelled. All disqualification criteria are listed in the Terms and Conditions of the attached RFP.

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Vendors should review all of the bid documents carefully before submitting questions. Questions must be submitted to Amber Lind, PEPPM Cooperative Purchasing Programs Manager at alind@csiu.org by the due date outlined in the RFP. The deadline to submit proposals is September 20, 2022 at 3:00 p.m.

Category Two Service Requests

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Fortinet or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Other	1		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Fortinet		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Other	1	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Hewlett Packard or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Other	3		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Hewlett Packard		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Other	3	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	5		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Cisco Systems or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	5	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Cisco Systems		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	7		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	D-Link or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	7	760	1	Each		138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	D-Link		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Juniper Networks or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Dell or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Juniper Networks		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Dell		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	9		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Other	10		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	9	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Other	10	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	13		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Extreme Networks or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	13	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669
Basic Maintenance of Internal Connections	Wireless Controllers	Extreme Networks		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Palo Alto or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Fortinet or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Basic Maintenance of Internal Connections	Firewall Service and Components	Palo Alto		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Fortinet		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	15		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Other	16		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	15	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Other	16	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Samsung or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Hewlett Packard or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Samsung		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Hewlett Packard		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	19		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Juniper Networks or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	19	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Juniper Networks		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and	Other	21		1	Each	Yes	138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
	Necessary Software and Licenses							138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Other	22		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	21	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Other	22	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	25		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Other	26		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	25	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Other	26	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	29		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Other	30		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	29	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Other	30	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	SonicWALL or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Ruckus or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	SonicWALL		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Basic Maintenance of Internal Connections	Wireless Controllers	Ruckus		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	33		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Samsung or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	33	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Samsung		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	35		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Other	36		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	35	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Other	36	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	39		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	SonicWALL or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	39	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	SonicWALL		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	41		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Other	33		1	Each	Yes	138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	41	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Other	33	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	American Power Conversion or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Ubiquiti or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	American Power Conversion		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Ubiquiti		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Belkin or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Other	45		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Belkin		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Other	45	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Black Box or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Belkin or equivalent		760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Black Box		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Belkin		760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Internal Connections	Racks	Other	47		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	48	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Other	47	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	48	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Other	1		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Ubiquiti or equivalent		760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Other	1	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Ubiquiti		760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Cisco Systems or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	53	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Cisco Systems		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	53	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Dell or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	55	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Dell		760	1	Each		138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	55	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Eaton or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Managed Internal Broadband Services	Existing Equipment			760				138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Eaton		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Managed Internal Broadband Services	Leased Equipment			760				138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Fortinet or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Fortinet		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	57	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Other	58		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	57	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Other	58	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Adtran or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Hewlett Packard or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Adtran		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Basic Maintenance of Internal Connections	Racks	Hewlett Packard		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Alcatel-Lucent or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Hubbell or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Alcatel-Lucent		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Hubbell		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Allied Telesis or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Juniper Networks or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Allied Telesis		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Juniper Networks		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	American Power Conversion or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Other	61		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	American Power Conversion		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Other	61	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	63	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Panduit or equivalent			1	Each	Yes	138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	63	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Panduit		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Belden or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Tripplite or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Belden		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Tripplite		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Belkin or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Other	65		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Belkin		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Other	65	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Black Box or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Other	67		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Black Box		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Other	67	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Internal Connections	Antennas, Connectors, and Related Components	Other	47	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Racks	Other	55		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	47	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Racks	Other	55	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	1	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Adtran or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	1	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Adtran		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	3	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Alcatel-Lucent or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	3	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Alcatel-Lucent		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	77	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Allied Telesis or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	77	760	1	Each		138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Allied Telesis		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Cisco Systems or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Other	79		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Cisco Systems		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Other	79	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	CommScope or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Other	81		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	82	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Other	81	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	79	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Other	1		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	79	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Other	1	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	CradlePoint or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Internal Connections	Routers and Necessary Software and Licenses	Other	3		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	CradlePoint		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Other	3	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	D-Link or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Other	77		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	D-Link		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Other	77	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	92	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Cisco Systems or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	92	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Cisco Systems		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Dell or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	D-Link or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Dell		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	D-Link		760	1	Each		138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	94	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Dell or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	94	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Dell		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	96	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Extreme Networks or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	96	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Extreme Networks		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	98	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Fortinet or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	98	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Fortinet		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	10	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Other	16		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	10	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Other	16	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Extreme Networks or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Hewlett Packard or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Extreme Networks		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Hewlett Packard		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	104	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Juniper Networks or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	104	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Juniper Networks		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Fortinet or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Other	22		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Fortinet		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Other	22	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	16	760	1	Each	Yes	138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Other	109		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	16	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Other	109	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	58	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Ruckus or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	58	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Ruckus		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Hewlett Packard or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Other	33		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Hewlett Packard		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Other	33	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	116	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Ubiquiti or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	116	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Basic Maintenance of Internal Connections	Routers	Ubiquiti		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	118	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Routers and Necessary Software and Licenses	Other	45		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	118	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Routers	Other	45	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Juniper Networks or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Adtran or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Juniper Networks		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Adtran		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	22	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Alcatel-Lucent or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	22	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Alcatel-Lucent		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	30	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Allied Telesis or equivalent			1	Each	Yes	138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	30	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Allied Telesis		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	109	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Other	79		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	109	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Other	79	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Panduit or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Other	81		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Panduit		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Other	81	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	132	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Other	1		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	132	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Other	1	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Internal Connections	Antennas, Connectors, and Related Components	Other	136	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Other	3		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	136	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Other	3	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	140	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Other	77		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	140	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Other	77	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Ruckus or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Cisco Systems or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Ruckus		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Cisco Systems		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Samsung or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	D-Link or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Samsung		760	1	Each		138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	D-Link		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	SonicWALL or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Dell or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	SonicWALL		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Dell		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	33	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Other	94		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	33	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Other	94	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Tripplite or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Other	10		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Tripplite		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Other	10	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Ubiquiti or equivalent		760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Internal Connections	Switches and Necessary Software and Licenses	Extreme Networks or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Ubiquiti		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Extreme Networks		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	65	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Fortinet or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	65	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Fortinet		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	55	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Other	16		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	55	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Other	16	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Antennas, Connectors, and Related Components	Other	45	760	1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Hewlett Packard or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related Components	Other	45	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Hewlett Packard		760	1	Each		138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Internal Connections	Cabling	American Power Conversion or equivalent		760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Juniper Networks or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	American Power Conversion		760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Juniper Networks		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	63	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Other	22		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	63	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Other	22	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	79	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Other	109		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	79	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Other	109	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Belden or equivalent		760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Ruckus or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Basic Maintenance of Internal Connections	Cabling	Belden		760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Ruckus		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Black Box or equivalent		760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Samsung or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Black Box		760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Samsung		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	47	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Ubiquiti or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	47	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Ubiquiti		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	1	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Switches and Necessary Software and Licenses	Other	45		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	1	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Switches	Other	45	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	3	760	1	Feet	Yes	138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Internal Connections	Uninterruptable Power Supply/Battery Backup and Necessary Software and Licenses	American Power Conversion or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	3	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Uninterruptable Power Supply/Battery Backup	American Power Conversion		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Cisco Systems or equivalent		760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Uninterruptable Power Supply/Battery Backup and Necessary Software and Licenses	Other	81		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Cisco Systems		760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Uninterruptable Power Supply/Battery Backup	Other	81	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	CommScope or equivalent		760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Uninterruptable Power Supply/Battery Backup and Necessary Software and Licenses	Other	1		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	177	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Uninterruptable Power Supply/Battery Backup	Other	1	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	CradlePoint or equivalent		760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Uninterruptable Power Supply/Battery Backup and Necessary Software and Licenses	Cisco Systems or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	CradlePoint		760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Basic Maintenance of Internal Connections	Uninterruptable Power Supply/Battery Backup	Cisco Systems		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	92	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Uninterruptable Power Supply/Battery Backup and Necessary Software and Licenses	Dell or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	92	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Uninterruptable Power Supply/Battery Backup	Dell		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Dell or equivalent		760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Uninterruptable Power Supply/Battery Backup and Necessary Software and Licenses	Eaton or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Dell		760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Uninterruptable Power Supply/Battery Backup	Eaton		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	96	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Uninterruptable Power Supply/Battery Backup and Necessary Software and Licenses	Fortinet or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	96	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Uninterruptable Power Supply/Battery Backup	Fortinet		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	98	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Uninterruptable Power Supply/Battery Backup	Hewlett Packard or equivalent			1	Each	Yes	138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
	and Necessary Software and Licenses							138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	98	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Uninterruptable Power Supply/Battery Backup	Hewlett Packard		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	104	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Uninterruptable Power Supply/Battery Backup and Necessary Software and Licenses	Other	61		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	104	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Uninterruptable Power Supply/Battery Backup	Other	61	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Fortinet or equivalent		760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Uninterruptable Power Supply/Battery Backup and Necessary Software and Licenses	Other	189		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Fortinet		760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Uninterruptable Power Supply/Battery Backup	Other	189	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	58	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Uninterruptable Power Supply/Battery Backup and Necessary Software and Licenses	Other	192		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	58	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Uninterruptable Power Supply/Battery Backup	Other	192	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Internal Connections	Cabling	Hewlett Packard or equivalent		760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Uninterruptable Power Supply/Battery Backup and Necessary Software and Licenses	Tripplite or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Hewlett Packard		760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Uninterruptable Power Supply/Battery Backup	Tripplite		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	116	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Uninterruptable Power Supply/Battery Backup and Necessary Software and Licenses	Other	67		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	116	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Uninterruptable Power Supply/Battery Backup	Other	67	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	118	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Other	57		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	118	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Other	57	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Juniper Networks or equivalent		760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Other	203		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Juniper Networks		760	1	Feet		138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Other	203	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	22	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Alcatel-Lucent or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	22	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Alcatel-Lucent		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Panduit or equivalent		760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Allied Telesis or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Panduit		760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Allied Telesis		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	132	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Other	79		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	132	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Other	79	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	136	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Belkin or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	136	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Belkin		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Other	140	760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Black Box or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Other	140	760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Black Box		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Cabling	Tripplite or equivalent		760	1	Feet	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Other	1		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Cabling	Tripplite		760	1	Feet		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Other	1	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Caching and Necessary Software and Licenses	Cisco Systems or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Other	3		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Caching	Cisco Systems			1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Other	3	760	1	Each		138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Internal Connections	Caching and Necessary Software and Licenses	Other	219		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Cisco Systems or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Caching	Other	219	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Cisco Systems		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Caching and Necessary Software and Licenses	Other	221		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	D-Link or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Caching	Other	221	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	D-Link		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Caching and Necessary Software and Licenses	Dell or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Dell or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Caching	Dell		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Dell		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Caching and Necessary Software and Licenses	Other	223		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Other	10		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Basic Maintenance of Internal Connections	Caching	Other	223	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Other	10	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Caching and Necessary Software and Licenses	Fortinet or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Extreme Networks or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Caching	Fortinet		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Extreme Networks		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Caching and Necessary Software and Licenses	Hewlett Packard or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Fortinet or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Caching	Hewlett Packard		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Fortinet		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Caching and Necessary Software and Licenses	Other	9		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Hewlett Packard or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Caching	Other	9	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Hewlett Packard		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and	Allied Telesis or equivalent			1	Each	Yes	138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
	Necessary Software and Licenses							138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Juniper Networks or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Allied Telesis		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Juniper Networks		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	229		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Other	22		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	229	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Other	22	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Barracuda or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Ruckus or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Barracuda		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Ruckus		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Black Box or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Other	36		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Black Box		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Basic Maintenance of Internal Connections	Wireless Access Points	Other	36	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	1		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	SonicWALL or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	1	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	SonicWALL		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	237		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Other	33		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	237	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Other	33	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Cisco Systems or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Ubiquiti or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Cisco Systems		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Ubiquiti		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	219		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Access Points and Necessary Software and Licenses	Other	45		1	Each	Yes	138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	219	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Access Points	Other	45	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	221		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Other	57		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	221	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Other	57	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	CradlePoint or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Adtran or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	CradlePoint		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Adtran		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	249		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Alcatel-Lucent or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	249	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Alcatel-Lucent		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	251		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Allied Telesis or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	251	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Allied Telesis		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	D-Link or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Other	79		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	D-Link		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Other	79	760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Dell or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Belkin or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Dell		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Belkin		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Firewall Service, Components, and Necessary Software and Licenses	Other	223		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections	Wireless Controllers and Necessary Software and Licenses	Black Box or equivalent			1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections	Firewall Service and Components	Other	223	760	1	Each		138575, 138576, 138577, 138578,

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
								138579, 138669, 138670
Basic Maintenance of Internal Connections	Wireless Controllers	Black Box		760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670

Description of Other Manufacturers

Id	Name
1	CABLExpress or equivalent
2	CABLExpress or equivalent
3	Cambium Networks or equivalent
4	Cambium Networks or equivalent
5	iBoss Web Filters or equivalent
6	iBoss Web Filters or equivalent
7	Infoblox or equivalent
8	Infoblox or equivalent
9	Lightspeed Systems or equivalent
10	EnGenius or equivalent
11	Lightspeed Systems or equivalent
12	EnGenius or equivalent
13	McAfee or equivalent
14	McAfee or equivalent
15	Pulse Secure or equivalent
16	Grandstream Networks or equivalent
17	Pulse Secure or equivalent
18	Grandstream Networks or equivalent
19	Secureworks or equivalent
20	Secureworks or equivalent
21	SentinelOne or equivalent
22	Mimosa Networks or equivalent
23	SentinelOne or equivalent
24	Mimosa Networks or equivalent
25	Smoothwall or equivalent
26	Motorola - Wireless Broadband or equivalent
27	Smoothwall or equivalent
28	Motorola - Wireless Broadband or equivalent
29	SolarWinds or equivalent
30	Motorola Solutions - Two-Way Radios or equivalent
31	SolarWinds or equivalent
32	Motorola Solutions - Two-Way Radios or equivalent
33	Sophos or equivalent
34	Sophos or equivalent
35	Trend Micro or equivalent
36	Siklu or equivalent
37	Trend Micro or equivalent
38	Siklu or equivalent
39	WatchGuard or equivalent
40	WatchGuard or equivalent
41	Xtel Communications or equivalent
42	Sophos or equivalent
43	Xtel Communications or equivalent
44	Sophos or equivalent
45	Vertical Communications or equivalent
46	Vertical Communications or equivalent
47	Cables2Go or equivalent

Id	Name
48	Terracom or equivalent
49	Cables2Go or equivalent
50	Terracom or equivalent
51	CABLExpress or equivalent
52	CABLExpress or equivalent
53	Veritronics or equivalent
54	Veritronics or equivalent
55	West Penn Wire or equivalent
56	West Penn Wire or equivalent
57	Actnet AES Intellinet or equivalent
58	Hammond Manufacturing or equivalent
59	Actnet AES Intellinet or equivalent
60	Hammond Manufacturing or equivalent
61	Middle Atlantic Products or equivalent
62	Middle Atlantic Products or equivalent
63	Axiom or equivalent
64	Axiom or equivalent
65	Varitronics or equivalent
66	Varitronics or equivalent
67	Vertiv or equivalent
68	Vertiv or equivalent
69	Cables2Go or equivalent
70	West Penn Wire or equivalent
71	Cables2Go or equivalent
72	West Penn Wire or equivalent
73	CABLExpress or equivalent
74	CABLExpress or equivalent
75	Cambium Networks or equivalent
76	Cambium Networks or equivalent
77	Ciena or equivalent
78	Ciena or equivalent
79	Baicells Technologies or equivalent
80	Baicells Technologies or equivalent
81	Black Box or equivalent
82	Commscope
83	Black Box or equivalent
84	Baicells Technologies or equivalent
85	CABLExpress or equivalent
86	Baicells Technologies or equivalent
87	CABLExpress or equivalent
88	Cambium Networks or equivalent
89	Cambium Networks or equivalent
90	Ciena or equivalent
91	Ciena or equivalent
92	Day Automation or equivalent
93	Day Automation or equivalent
94	Digium or equivalent
95	Digium or equivalent
96	DMSI or equivalent
97	DMSI or equivalent
98	Dynacom Network Products or equivalent
99	Dynacom Network Products or equivalent
100	EnGenius or equivalent
101	Grandstream Networks or equivalent
102	EnGenius or equivalent
103	Grandstream Networks or equivalent
104	Fluke or equivalent
105	Fluke or equivalent
106	Mimosa Networks or equivalent

Id	Name
107	Mimosa Networks or equivalent
108	Grandstream Networks or equivalent
109	NEC - Telecommunications or equivalent
110	Grandstream Networks or equivalent
111	NEC - Telecommunications or equivalent
112	Hammond Manufacturing or equivalent
113	Hammond Manufacturing or equivalent
114	Sophos or equivalent
115	Sophos or equivalent
116	Hitachi Cable America or equivalent
117	Hitachi Cable America or equivalent
118	Hubbell or equivalent
119	Vertical Communications or equivalent
120	Hubbell or equivalent
121	Vertical Communications or equivalent
122	Mimosa Networks or equivalent
123	Mimosa Networks or equivalent
124	Motorola Solutions - Two-Way Radios or equivalent
125	Motorola Solutions - Two-Way Radios or equivalent
126	NEC - Telecommunications or equivalent
127	Baicells Technologies or equivalent
128	NEC - Telecommunications or equivalent
129	Baicells Technologies or equivalent
130	Black Box or equivalent
131	Black Box or equivalent
132	Primus Cable or equivalent
133	CABLExpress or equivalent
134	Primus Cable or equivalent
135	CABLExpress or equivalent
136	Proline Options or equivalent
137	Cambium Networks or equivalent
138	Proline Options or equivalent
139	Cambium Networks or equivalent
140	Remee Wire & Cable or equivalent
141	Ciena or equivalent
142	Remee Wire & Cable or equivalent
143	Ciena or equivalent
144	Sophos or equivalent
145	Digium or equivalent
146	Sophos or equivalent
147	Digium or equivalent
148	EnGenius or equivalent
149	EnGenius or equivalent
150	Varitronics or equivalent
151	Varitronics or equivalent
152	West Penn Wire or equivalent
153	Grandstream Networks or equivalent
154	West Penn Wire or equivalent
155	Grandstream Networks or equivalent
156	Vertical Communications or equivalent
157	Vertical Communications or equivalent
158	Axiom or equivalent
159	Mimosa Networks or equivalent
160	Axiom or equivalent
161	Mimosa Networks or equivalent
162	Baicells Technologies or equivalent
163	NEC - Telecommunications or equivalent
164	Baicells Technologies or equivalent
165	NEC - Telecommunications or equivalent

Id	Name
166	Cables2Go or equivalent
167	Cables2Go or equivalent
168	CABLExpress or equivalent
169	Vertical Communications or equivalent
170	CABLExpress or equivalent
171	Vertical Communications or equivalent
172	Cambium Networks or equivalent
173	Cambium Networks or equivalent
174	Black Box or equivalent
175	Black Box or equivalent
176	CABLExpress or equivalent
177	Commscope or equivalent
178	CABLExpress or equivalent
179	Day Automation or equivalent
180	Day Automation or equivalent
181	DMSI or equivalent
182	DMSI or equivalent
183	Dynacom Network Products or equivalent
184	Dynacom Network Products or equivalent
185	Fluke or equivalent
186	Middle Atlantic Products or equivalent
187	Fluke or equivalent
188	Middle Atlantic Products or equivalent
189	Minuteman or equivalent
190	Minuteman or equivalent
191	Hammond Manufacturing or equivalent
192	N1 Critical Technologies or equivalent
193	Hammond Manufacturing or equivalent
194	N1 Critical Technologies or equivalent
195	Hitachi Cable America or equivalent
196	Vertiv or equivalent
197	Hitachi Cable America or equivalent
198	Vertiv or equivalent
199	Hubbell or equivalent
200	Actnet AES Intellinet or equivalent
201	Hubbell or equivalent
202	Actnet AES Intellinet or equivalent
203	Adtran or equivalent
204	Adtran or equivalent
205	Mimosa Networks or equivalent
206	Mimosa Networks or equivalent
207	Primus Cable or equivalent
208	Baicells Technologies or equivalent
209	Primus Cable or equivalent
210	Baicells Technologies or equivalent
211	Proline Options or equivalent
212	Proline Options or equivalent
213	Remee Wire & Cable or equivalent
214	Remee Wire & Cable or equivalent
215	CABLExpress or equivalent
216	CABLExpress or equivalent
217	Cambium Networks or equivalent
218	Cambium Networks or equivalent
219	Citrix or equivalent
220	Citrix or equivalent
221	ContentKeeper or equivalent
222	ContentKeeper or equivalent
223	F5 Networks or equivalent
224	EnGenius or equivalent

Id	Name
225	F5 Networks or equivalent
226	EnGenius or equivalent
227	Lightspeed Systems or equivalent
228	Lightspeed Systems or equivalent
229	Arctic Wolf Networks or equivalent
230	Mimosa Networks or equivalent
231	Arctic Wolf Networks or equivalent
232	Mimosa Networks or equivalent
233	Siklu or equivalent
234	Siklu or equivalent
235	CABLExpress or equivalent
236	CABLExpress or equivalent
237	Checkpoint or equivalent
238	Sophos or equivalent
239	Checkpoint or equivalent
240	Sophos or equivalent
241	Citrix or equivalent
242	Vertical Communications or equivalent
243	Citrix or equivalent
244	Vertical Communications or equivalent
245	ContentKeeper or equivalent
246	Actnet AES Intellinet or equivalent
247	ContentKeeper or equivalent
248	Actnet AES Intellinet or equivalent
249	CrowdStrike or equivalent
250	CrowdStrike or equivalent
251	Cylance or equivalent
252	Cylance or equivalent
253	Baicells Technologies or equivalent
254	Baicells Technologies or equivalent
255	F5 Networks or equivalent
256	F5 Networks or equivalent

Narrative

This RFP is for the complete rebid of the PA State PEPPM Contract. There are more than 530 product lines included in this procurement, of which 78 offer E-rate eligible products/services. Each eligible product line has been added to the Form 470 as Category 2 for each unique category of service it serves, for both internal connections, & basic maintenance. Further, the product lines featuring network-related equipment also are included as a Category 1 Network Equipment and Category 1 Maintenance and Operations bids. Also, the form does not permit the addition of manufacturer name to the managed internal broadband (MIBS) category, so a single entry has been made for all product lines being bid representing that category. Vendors interested in adding equivalent product lines should note the specific process, requirements and timeline for doing so in the Bid Documents.

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The current Form 470 format requires the unit quantity. The PEPPM Contract is bid on the quantity of one to establish a unit contract price. A single contract is then signed with the lowest responsible, qualified bidder for each product line. Because PEPPM is considered a multiple award contract, applicants then conduct an E-rate mini-bid process - described in the RFP Terms and Conditions - by seeking bids for specific products/services/quantities from all awarded product lines in the specific category.

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Note: the Form 470 states that the PA State PEPPM Consortium (Central Susquehanna Intermediate Unit) is the Billed Entity which is not accurate. Although CSIU will sign a single contract with the lowest responsible, qualified bidder for each product line, each LEA will sign its own separate contract with the lowest responsible bidder resulting from a PEPPM mini-bid procurement and file the Form 471 as their own Billed Entity.

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The Form 470 also requires the number of entities served. In PA, all public schools, nonpublic schools and libraries may purchase from this cooperative purchasing contract. However, more than 760 specific PA schools, libraries and consortia have submitted electronic E-rate Letters of Agency and may be use this contract for E-rate eligible purchases. Prospective bidders should note that this is the maximum number of entities that may be seeking mini-bids from awarded vendors, not the actual number of entities that will be requesting mini-bids. Since FY 2019, more than \$96

million has been requested as the pre-discount cost for E-rate eligible equipment using the PA State PEPPM Contract mini-bid procurement process.

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The E-rate eligible product lines, or their equivalents, included on this 470 are as follows:

Actnet AES Intellinet

Adtran

Alcatel-Lucent

Allied Telesis

APC

Arctic Wolf Networks

Axiom

Baicells Technologies

Barracuda

Belden

Belkin

Black Box

Cables2Go

CABLExpress

Cambium Networks

Checkpoint

Ciena

Cisco

Citrix

Commscope

ContentKeeper

Cradlepoint

CrowdStrike

Cylance

D-Link

Day Automation

Dell

Digium

DMSI

Dynacom Network Products

Eaton

EnGenius

Extreme Networks

F5 Networks

Fluke

Fortinet

Grandstream Networks

Hammond Manufacturing

Hewlett Packard Enterprise

Hitachi Cable America

Hubbell

iBoss Web Filters

Infoblox

Juniper Networks

Lightspeed Systems

McAfee

Middle Atlantic Products

Mimosa Networks

Minuteman

Motorola - Wireless Broadband

Motorola Solutions - Two-Way Radios

N1 Critical Technologies

NEC - Telecommunications

Palo Alto

Panduit Corporation

Primus Cable

Proline Options

Pulse Secure

Remee Wire & Cable
Ruckus Wireless
Samsung - Networking/Voice
Secureworks
SentinelOne
Siklu
Smoothwall
SolarWinds
SonicWall
Sophos
Terracom
Trend Micro
Tripp Lite
Ubiquiti
Varitronics
Vertical Communications
Vertiv
WatchGuard
West Penn Wire
Xtel Communications

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All bidding documents are included in this RFP; however, vendors that wish to download the bidding documents outside of EPC may do so at: <https://www.peppm.org/bids/default.htm>. These are the identical documents that are attached to the online Form 470. The term of the contracts shall be January 1, 2023 - December 31, 2025, with a 1-year optional extension, unless otherwise terminated or cancelled. All disqualification criteria are listed in the Terms and Conditions of the attached RFP.

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Vendors should review all of the bid documents carefully before submitting questions. Questions must be submitted to Amber Lind, PEPPM Cooperative Purchasing Programs Manager at alind@csiu.org by the due date outlined in the RFP. The deadline to submit proposals is September 20, 2022 at 3:00 p.m.

Technical Contact

Amber Lind
PEPPM Cooperative Purchasing Manager
000-000-0000
alind@csiu.org

State and Local Procurement Restrictions

This RFP is for the complete rebid of the PA State Master PEPPM Contract. The deadline to submit proposals is September 20, 2022 at 3:00 p.m. Eastern. All bidding documents are included in this RFP; however, vendors that wish to download the bidding documents outside of EPC may do so at: <https://www.peppm.org/bids/default.htm>. These are the identical documents that are attached to the online Form 470. The term of the contracts shall be January 1, 2023 - December 31, 2025, with a 1-year optional extension, unless otherwise terminated or cancelled. All disqualification criteria are listed in the Terms and Conditions of the attached RFP.

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Vendors should review all of the bid documents carefully before submitting questions. Questions must be submitted via e-mail to Amber Lind at alind@csiu.org.

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All entities that have electronically signed Letters of Agency (LOAs) have been added as PEPPM consortia members in EPC, with a few exceptions. The following entities signed LOAs to participate in this procurement, but were either not founded in the EPC database, or could not be added due to EPC system limitations because they are either consortia or libraries:

Lincoln Learning Network (LLN) - IU12 RWAN Consortium
PAIUnet
Apollo Memorial Library
Ashland Public Library
Bradford Area Public Library
Luzerne County Library System
Lycoming County Library System
Mansfield Free Public Library
Mary S. Biesecker Public Library

MCLINC
 Milton Public Library
 North Wales Area Library
 Oil Region Library Association
 Punxsutawney Memorial Library
 Southampton Free Library
 Wayne Library Authority
 Adams County Technical Institute
 Bryn Athyn Church School
 Chester County Family Academy Charter School
 Chester County Technical College HS
 Connellsville Area Career and Technical Center
 Easton Arts Academy
 Evergreen Community CS
 Excelsior School of Philadelphia
 Freire CS (Freire Consortia)
 Freire CS (Freire Wilmington)
 Greene County Career and Technology Center
 Hazleton Area Career Center
 Howard Gardner Multiple Intelligence CS
 Lehigh Valley Charter High School for the Arts
 Lycoming Career and Technology Center
 Seneca Highlands Career and Technical Center

Billed Entities

Billed Entity Number	Billed Entity Name
17000299	PA State PEPPM Consortium (Central Susquehanna Intermediate Unit)

Certifications

I certify that the applicant includes:

I certify that the applicant includes schools under the statutory definitions of elementary and secondary schools found in the No Child Left Behind Act of 2001, 20 U.S.C. §§ 7801 (18) and (38), that do not operate as for-profit businesses, and do not have endowments exceeding \$50 million.

I certify that the applicant includes libraries or library consortia eligible for assistance from a State library administrative agency under the Library Services and Technology Act of 1996 that do not operate as for-profit businesses and whose budgets are completely separate from any schools (including, but not limited to elementary and secondary schools, colleges, and universities).

Other Certifications

I certify that this FCC Form 470 and any applicable RFP will be available for review by potential bidders for at least 28 days before considering all bids received and selecting a service provider. I certify that all bids submitted will be carefully considered and the bid selected will be for the most cost-effective service or equipment offering, with price being the primary factor, and will be the most cost-effective means of meeting educational needs and technology goals.

I certify that I will retain required documents for a period of at least 10 years (or whatever retention period is required by the rules in effect at the time of this certification) after the later of the last day of the applicable funding year or the service delivery deadline for the associated funding request. I certify that I will retain all documents necessary to demonstrate compliance with the statute and Commission rules regarding the form for, receipt of, and delivery of services receiving schools and libraries discounts. I acknowledge that I may be audited pursuant to participation in the schools and libraries program.

I acknowledge that support under this support mechanism is conditional upon the school(s) and/or library(ies) I represent securing access, separately or through this program, to all of the resources, including computers, training, software, internal connections, maintenance, and electrical capacity necessary to use the services purchased effectively.

I certify that I have reviewed all applicable FCC, state, and local procurement/competitive bidding requirements and that I have complied with them. I acknowledge that persons willfully making false statements on this form may be punished by fine or forfeiture, under the Communications Act, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.

I acknowledge that FCC rules provide that persons who have been convicted of criminal violations or held civilly liable for certain acts arising from their participation in the schools and libraries support mechanism are subject to suspension and debarment from the program.

NOTICE:

In accordance with Section 54.503 of the Federal Communications Commission's ("Commission") rules, certain schools and libraries ordering services that are eligible for and seeking universal service discounts must file this Description of Services Requested and Certification Form (FCC Form 470) with the Universal Service Administrator. 47 C.F.R. § 54.503. The collection of information stems from the Commission's authority under Section 254 of the Communications Act of 1934, as amended. 47 U.S.C. § 254. The data in the report will be used to ensure that schools and libraries comply with the competitive bidding requirement contained in 47 C.F.R. § 54.503. Schools and libraries must file this form themselves or as part of a consortium.

An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

The FCC is authorized under the Communications Act of 1934, as amended, to collect the information requested in this form. We will use the information you provide to determine whether you have complied with the competitive bidding requirements applicable to requests for universal service discounts. If we believe there may be a violation or a potential violation of any applicable statute, regulation, rule or order, the information you provide in this form may be referred to the Federal, state, or local agency responsible for investigating, prosecuting, enforcing, or implementing the statute, rule, regulation or order. In certain cases, the information you provide in this form may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC; or (b) any employee of the FCC; or (c) the United States Government is a party of a proceeding before the body or has an interest in the proceeding. In addition, information provided in or submitted with this form, or in response to subsequent inquiries, may also be subject to disclosure consistent with the Communications Act of 1934, FCC regulations, the Freedom of Information Act, 5 U.S.C. § 552, or other applicable law.

If you owe a past due debt to the federal government, the information you provide in this form may also be disclosed to the Department of the Treasury Financial Management Service, other Federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide the information to these agencies through the matching of computer records when authorized.

If you do not provide the information we request on the form, the FCC or Universal Service Administrator may return your form without action or deny a related request for universal service discounts.

The foregoing Notice is required by the Paperwork Reduction Act of 1995, Pub. L. No. 104-13, 44 U.S.C. § 3501, et seq.

Public reporting burden for this collection of information is estimated to average 3.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing, and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the reporting burden to the Federal Communications Commission, Performance Evaluation and Records Management, Washington, DC 20554. We also will accept your comments via the email if you send them to PRA@FCC.gov. DO NOT SEND COMPLETED WORKSHEETS TO THESE ADDRESSES.

Authorized Person

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717-730-7133

jtschell@comcast.net

Certified Timestamp

08/03/2022 09:03 PM EDT