

# 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**

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

Id

Name

#### 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.

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.

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.

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.

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

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** of the attached RFP.

Dell

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.

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** 

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
nternal Connections	Firewall Service,	Fortinet or			1	Each	Yes	138575, 138576,
	Components, and	equivalent						138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
nternal Connections	Wireless Controllers and	Other	1		1	Each	Yes	138575, 138576,
	Necessary Software and							138577, 138578,
	Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Fortinet		760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Other	1	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Firewall Service,	Hewlett Packard or			1	Each	Yes	138575, 138576,
	Components, and	equivalent			•	Lucii	103	138575, 138576,
	Necessary Software and	equivalent						138579, 138669,
	Licenses							138579, 138009,
Internal Connections	Wireless Controllers and	Other	3	+	1	Each	Yes	138575, 138576,
internal Connections	Necessary Software and	Other	3		1	Eacii	ies	
	,							138577, 138578,
	Licenses							138579, 138669,
	T. No			# 40				138670
Basic Maintenance of Internal	Firewall Service and	Hewlett Packard		760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
	W			# 40				138670
Basic Maintenance of Internal	Wireless Controllers	Other	3	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Firewall Service,	Other	5		1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
Internal Connections	Wireless Controllers and	Cisco Systems or			1	Each	Yes	138575, 138576,
	Necessary Software and	equivalent						138577, 138578,
	Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Other	5	760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Cisco Systems		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Firewall Service,	Other	7		1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
nternal Connections	Wireless Controllers and	D-Link or			1	Each	Yes	138575, 138576,
	Necessary Software and	equivalent						138577, 138578,
	Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Other	7	760	1	Each		138575, 138576,
Same mannendire of intellial	1 newan pervice and	Cuici	1 '	, 00		Lucii		130313, 130310,

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
service Type	Tunction	Manufactures	Description	Littles	Quantity	Cint	Comiguration:	138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	D-Link		760	1	Each		138575, 138576,
Connections	wheless conductes	D-Link		700	1	Lacii		138577, 138578,
Connections								138579, 138669,
								138670
Internal Connections	Firewall Service,	Ivainos Notreodro os			1	Each	Yes	
internal Connections		Juniper Networks or			1	Eacii	ies	138575, 138576, 138577, 138578,
	Components, and	equivalent						
	Necessary Software and							138579, 138669,
	Licenses	B.11				Б.1	V.	138670
Internal Connections	Wireless Controllers and	Dell or equivalent			1	Each	Yes	138575, 138576,
	Necessary Software and							138577, 138578,
	Licenses							138579, 138669,
	71 110 1			# 40				138670
Basic Maintenance of Internal	Firewall Service and	Juniper Networks		760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Dell		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Firewall Service,	Other	9		1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
Internal Connections	Wireless Controllers and	Other	10		1	Each	Yes	138575, 138576,
	Necessary Software and							138577, 138578,
	Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Other	9	760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Other	10	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Firewall Service,	Other	13		1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
Internal Connections	Wireless Controllers and	Extreme Networks			1	Each	Yes	138575, 138576,
	Necessary Software and	or equivalent						138577, 138578,
	Licenses							138579, 138669
Basic Maintenance of Internal	Firewall Service and	Other	13	760	1	Each		138575, 138576,
Connections	Components			,55				138577, 138578,
Connections	Components							138579, 138669
Basic Maintenance of Internal	Wireless Controllers	Extreme Networks		760	1	Each		
	wheless Controllers	Extreme Networks		/60	1	Each		138575, 138576,
Connections								138577, 138578,
	P: 110 1	D.L.A.		+		г.	V.	138579, 138669
Internal Connections	Firewall Service,	Palo Alto or			1	Each	Yes	138575, 138576,
	Components, and	equivalent						138577, 138578,
	Necessary Software and							138579, 138669
	Licenses							
Internal Connections	Wireless Controllers and	Fortinet or			1	Each	Yes	138575, 138576,
	Necessary Software and	equivalent						138577, 138578,
	Licenses							138579, 138669

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
Basic Maintenance of Internal	Firewall Service and	Palo Alto		760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Fortinet		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Firewall Service,	Other	15		1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
	+	Orlean	16		1	P. d.	V.	
nternal Connections	Wireless Controllers and	Other	16		1	Each	Yes	138575, 138576,
	Necessary Software and							138577, 138578,
	Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Other	15	760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Other	16	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Firewall Service,	Samsung or			1	Each	Yes	138575, 138576,
inernal Connections					1	Lacii	103	
	Components, and	equivalent						138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses	**						138670
nternal Connections	Wireless Controllers and	Hewlett Packard or			1	Each	Yes	138575, 138576,
	Necessary Software and	equivalent						138577, 138578,
	Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Samsung		760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Hewlett Packard		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Firewall Service,	Other	19		1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
	+	I N			1	P. d.	V.	
nternal Connections	Wireless Controllers and	Juniper Networks or			1	Each	Yes	138575, 138576,
	Necessary Software and	equivalent						138577, 138578,
	Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Other	19	760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Juniper Networks		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Firewall Service,	Other	21		1	Each	Yes	138575, 138576,
	i newan pervice,	Julia		1	1 *	Lacii	100	130373, 130370,

Note   Part				Manufacturer Other				Installation and Initial	
Noncomy Subvasce and   Noncomy Subvasce and	Service Type	Function	Manufacturer		Entities	Quantity	Unit		Associated RFPs
Internal Connections   Medical Controllates and Internal Controllates and In	Service Type		- Manufacturer	Description	Littles	Quantity	Cint	Comiguration:	
Internal Connections   Warlows Cutterflors and Necessary Subtrone and Licenses   Other   22   700   1   Each   Each   18875, 18876									
Rusic Maintenance of Internal Concentions   Prevail Service and Components   Comp	Internal Connections		Other	22		1	Each	Yes	
Basic Maintenance of Internal Commercions   Piewall Service and Components   Piewall Service and Components   Piewall Service and Components   Piewall Service and Commercions   Piewall Service and Commercions   Piewall Service and License   Pie									
Book Ministensace of Internal Components   Pieceall Service and Components   Comp									
Components   Com									
Basic Maintenance of Internal Connections   Prieval Service and Licenses   Debray   Prieval Service and Compenents   Prieval Servi	Basic Maintenance of Internal	Firewall Service and	Other	21	760	1	Each		138575, 138576,
Basic Mainterance of Internal Connections   Basic Mainterance of Internal Connections   Price and Service and Licenses   Debra   Price and Service and Connections   Price and Service and Connections   Debra   Price and Service and Connections   Price and Service and Conne	Connections	Components							138577, 138578,
Basic Mainenance of Internal Connections   Wireless Controllers   Other   22   760   1   Each   1   1   1   1   1   1   1   1   1									138579, 138669,
Connections   Firewall Service and   Components, and   Debra   Prewall Service and   Licenses   Prewall Service and   Prewall Serv									138670
Internal Connections	Basic Maintenance of Internal	Wireless Controllers	Other	22	760	1	Each		138575, 138576,
Internal Connections	Connections								138577, 138578,
Internal Connections   Firewall Service, Components, and Recessary Software and Licenses   1									138579, 138669,
Components, and Necessary Software and Licenses   Components, and Necessary Software and Licenses   Components of Ministrature of Internal Connections   Components of Necessary Software and Licenses   Components of Necessary Software and Necessary Software and Licenses   Components of Necessary Software and License									138670
Necessary Software and Licenses   Mircless Controllers and Nicessary Software and Licenses   Other   26   Section	Internal Connections	Firewall Service,	Other	25		1	Each	Yes	138575, 138576,
Internal Connections		Components, and							138577, 138578,
Internal Connections   Wireless Controllers and Necessary Software and Licenses   26		Necessary Software and							138579, 138669,
Necessary Software and Liceness   Priewall Service and Components   Priewall Service and Components   Priewall Service and Components   Priewall Service and Liceness   Priewall Service and Components   Priewall Service and Components   Priewall Service and Liceness   Priewall Service and Components   Priewall Service and Components   Priewall Service and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Liceness   Priewall Service and Components and Necessary Software and Compone		Licenses							138670
Basic Maintenance of Internal Connections   Firewall Service and Necessary Software and Licenses	Internal Connections	Wireless Controllers and	Other	26		1	Each	Yes	138575, 138576,
Basic Maintenance of Internal Connections   Firewall Service and Necessary Software and Licenses   Mireless Controllers   Components		Necessary Software and							138577, 138578,
Basic Maintenance of Internal Components   Firewall Service and Components   Comp		Licenses							138579, 138669,
Components   Components   Components   Components   Components   Components   Connections   Components and Licenses   Components and Piezasa Controllers   Connections   Components   Compo									138670
Basic Maintenance of Internal Connections   Wireless Controllers   Connections   Wireless Controllers   Connections   Pirewall Service, Components, and Necessary Software and Licenses   Components   Connections   Pirewall Service and Connections   Pirewall Service and Licenses   Components   Pirewall Service and License   Pi	Basic Maintenance of Internal	Firewall Service and	Other	25	760	1	Each		138575, 138576,
Basic Maintenance of Internal   Wireless Controllers   Connections   Firewall Service, Components, and Licenses   Connections   Picable Scortfollers and Necessary Software and Licenses   Connections   Picable Scortfollers and Connections   Picable Scortfollers and Licenses   Components and Connections   Picable Scortfollers and Licenses   Components and Connections   Picable Scortfollers and Licenses   Controllers and Li	Connections	Components							138577, 138578,
Basic Maintenance of Internal Connections   Wireless Controllers   Connections   Pirewall Service, Components, and Necessary Software and Licenses   Components   Components									138579, 138669,
Connections   Connections   Firewall Service, Components, and Licenses   Components   Componen									138670
Internal Connections	Basic Maintenance of Internal	Wireless Controllers	Other	26	760	1	Each		138575, 138576,
Time	Connections								138577, 138578,
Firewall Service, Components, and Necessary Software and Licenses									138579, 138669,
Components, and Necessary Software and Licenses   Software and Licenses   L									138670
Necessary Software and Licenses	Internal Connections		Other	29		1	Each	Yes	
Licenses   Components   Components   Components   Components   Components   Components and Connections   Components   Components and Connections   Components and Connections   Components and Connections   Components   Connections   Connec		_							
Internal Connections   Wireless Controllers and Necessary Software and Licenses   138575, 138576, 138578, 138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138670   138579, 138670   138579, 138670   138579, 138670   138579, 138670   138579, 138670   138579, 138670   138579, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138579, 138669, 138670   138670		•							
Necessary Software and Licenses   Licenses									
Licenses	Internal Connections		Other	30		1	Each	Yes	
Basic Maintenance of Internal   Firewall Service and   Components									
Basic Maintenance of Internal   Components   Components		Licenses							
Components	Paris Maintanana of Internal	Pinnell Coming and	Other	20	7.00		E. d.		
Basic Maintenance of Internal   Wireless Controllers   Other   30   760   1   Each   138579, 138669, 138670			Otner	29	/60	1	Eacn		
Basic Maintenance of Internal   Wireless Controllers   Other   30   760   1   Each   138575, 138576,   138577, 138578,   138579, 138669,   138670	Connections	Components							
Basic Maintenance of Internal   Wireless Controllers   Other   30   760   1   Each   138575, 138576,   138577, 138578,   138579, 138699,   138670									
Connections   138577, 138578, 138579, 138669, 138670   138577, 138576, 138576, 138576, 138576, 138576, 138576, 138576, 138576, 138577, 138578, 138577, 138578, 138579, 138669, 138579, 138669, 138579, 138669, 138579, 138670	Basic Maintenance of Internal	Wireless Controllers	Other	30	760	1	Fach		
138579, 138669, 138670   138670   138670   138670   138579, 138669, 138670   138575, 138576, 138576, 138577, 138578, 138579, 138669, 138579, 138669, 138579, 138669, 138579, 138669, 138670   138670		wireless contioners	Other	30	700		Lacii		
Internal Connections									
Internal Connections									
Components, and Necessary Software and Licenses         equivalent         138577, 138578, 138578, 138579, 138669, 138670	Internal Connections	Firewall Service.	SonicWALL or			1	Each	Yes	
Necessary Software and         138579, 138669,           Licenses         138670									
Licenses 138670		-	-						
Internal Connections Wireless Controllers and Ruckus or 1 Each Yes 138575, 138576,		Licenses							138670
	Internal Connections	Wireless Controllers and	Ruckus or			1	Each	Yes	138575, 138576,
Necessary Software and equivalent 138577, 138578,		Necessary Software and	equivalent						
Licenses 138579, 138669,									138579, 138669,
138670									
Basic Maintenance of Internal Firewall Service and SonicWALL 760 1 Each 138575, 138576,	Basic Maintenance of Internal	Firewall Service and	SonicWALL		760	1	Each		138575, 138576,
Connections Components 138577, 138578,	Connections	Components							
138579, 138669,			I .	1				1	
									138579, 138669,

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
Basic Maintenance of Internal	Wireless Controllers	Ruckus		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Firewall Service,	Other	33		1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
nternal Connections	Wireless Controllers and	Samsung or			1	Each	Yes	138575, 138576,
	Necessary Software and	equivalent						138577, 138578,
	Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Other	33	760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Samsung		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Firewall Service,	Other	35		1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
nternal Connections	Wireless Controllers and	Other	36		1	Each	Yes	138575, 138576,
	Necessary Software and							138577, 138578,
	Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Other	35	760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Other	36	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Firewall Service,	Other	39		1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
nternal Connections	Wireless Controllers and	SonicWALL or			1	Each	Yes	138575, 138576,
	Necessary Software and	equivalent						138577, 138578,
	Licenses							138579, 138669,
	Dicenses							138670
Basic Maintenance of Internal	Firewall Service and	Other	39	760	1	Each		138575, 138576,
Connections	Components	Oller		700	1	Lucii		138577, 138578,
Somections	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	SonicWALL		760	1	Each		138575, 138576,
Connections	THEICSS COMMUNICIS	Some WILL		/55	1	Lacii		138573, 138576,
Onnections								138577, 138578,
								138579, 138009,
mtomol Compositions	Eigen-11 Ci	Othor	41	+	1	Do all	Vac	
nternal Connections	Firewall Service,	Other	41		1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses					_		138670
nternal Connections	Wireless Controllers and	Other	33		1	Each	Yes	138575, 138576,
	Necessary Software and							138577, 138578,

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
								138579, 138669, 138670
Basic Maintenance of Internal	Firewall Service and	Other	41	760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
	*							138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Other	33	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Racks	American Power			1	Each	Yes	138575, 138576,
meriai comectons	Racks	Conversion or			1	Laci	103	138577, 138578,
		equivalent						138579, 138669,
		equivalent						138670
Internal Connections	Wireless Controllers and	Ubiquiti or			1	Each	Yes	138575, 138576,
	Necessary Software and	equivalent					100	138577, 138578,
	Licenses	equivalent						138579, 138669,
	Licenses							138670
Basic Maintenance of Internal	Racks	American Power		760	1	Each		138575, 138576,
Connections	Nauks	Conversion		/00	1	Lacii		138575, 138576,
Connections		Conversion						
								138579, 138669, 138670
Basic Maintenance of Internal	Wireless Controllers	Ubiquiti		760	1	Each		138575, 138576,
Connections	wheless contioners	Colquiti		700	1	Lacii		138577, 138578,
connections								138579, 138669,
								138670
Internal Connections	Racks	Belkin or equivalent			1	Each	Yes	138575, 138576,
internal Connections	Racks	Beikin of equivalent			1	Lacii	ics	138577, 138578,
								138579, 138669,
								138670
Internal Connections	Wireless Controllers and	Other	45		1	Each	Yes	138575, 138576,
	Necessary Software and						1	138577, 138578,
	Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Racks	Belkin		760	1	Each		138575, 138576,
Connections	Tuesto	Demain .		700	•	Laci		138577, 138578,
Comiccions								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Other	45	760	1	Each		138575, 138576,
Connections	Wheless continues			700	•	Laci		138577, 138578,
connections								138579, 138669,
								138670
Internal Connections	Racks	Black Box or			1	Each	Yes	138575, 138576,
merital connections	Racks	equivalent			1	Laci	103	138577, 138578,
		equivalent						138579, 138669,
								138670
Internal Connections	Cabling	Belkin or equivalent		760	1	Feet	Yes	138575, 138576,
Comecuons	Cuomig	Somm of equivalent		,55			100	138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Racks	Black Box		760	1	Each		138575, 138576,
Connections	1	Date Box		, 50	1	Lacii		138577, 138578,
Competions								138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Belkin		760	1	Feet		138575, 138576,
Connections	Cabing	DCIKIII		700	1	1.661		138575, 138576,
Connections								
								138579, 138669,
	I	1	I	1	1	1		138670

			Manufacturer Other				Installation and Initial	
ervice Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
nternal Connections	Racks	Other	47		1	Each	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Cabling	Other	48	760	1	Feet	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Racks	Other	47	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Other	48	760	1	Feet		138575, 138576,
Connections	Cuomig	Other	10	700	1	1000		138577, 138578,
Connections								
								138579, 138669,
								138670
nternal Connections	Racks	Other	1		1	Each	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Cabling	Ubiquiti or		760	1	Feet	Yes	138575, 138576,
		equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Racks	Other	1	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Ubiquiti		760	1	Feet		138575, 138576,
Connections		1						138577, 138578,
								138579, 138669,
								138670
nternal Connections	Racks	Cisco Systems or			1	Each	Yes	138575, 138576,
meriai comections	Rucks	equivalent			1	Lucii	103	138577, 138578,
		equivalent						138579, 138669,
								138670
. 10 3	G I I'	0.1		7.00		Б.	N/	
nternal Connections	Cabling	Other	53	760	1	Feet	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Racks	Cisco Systems		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Other	53	760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Racks	Dell or equivalent			1	Each	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Cabling	Other	55	760	1	Feet	Yes	138575, 138576,
nternal Connections	Cabling	Other	33	/60	1	reet	ies	
								138577, 138578,
								138579, 138669,
								138670
asic Maintenance of Internal	Racks	Dell		760	1	Each		138575, 138576,

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
Service Type	runction	Manufacturer	Description	Entities	Quantity	Cint	Configuration:	138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Other	55	760	1	Feet		138575, 138576,
Connections	Cabing	Other	33	700	1	reet		138577, 138578,
Connections								138579, 138669,
								138670
Internal Compostions	Dooles	Eaton or equivalent			1	Each	Yes	
Internal Connections	Racks	Eaton or equivalent			1	Each	res	138575, 138576,
								138577, 138578,
								138579, 138669,
M II I I I I I I I I I I I I I I I I I	n n			7.00				138670
Managed Internal Broadband Services	Existing Equipment			760				138575, 138576,
								138577, 138578,
								138579, 138669,
				<b>7</b> 40				138670
Basic Maintenance of Internal	Racks	Eaton		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Managed Internal Broadband Services	Leased Equipment			760				138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Racks	Fortinet or			1	Each	Yes	138575, 138576,
		equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Racks	Fortinet		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Antennas, Connectors,	Other	57	760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Internal Connections	Racks	Other	58		1	Each	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	57	760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Racks	Other	58	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Antennas, Connectors,	Adtran or equivalent		760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Internal Connections	Racks	Hewlett Packard or			1	Each	Yes	138575, 138576,
		equivalent						138577, 138578,
								138579, 138669,
								138670
l l		4.1		760	1	Each		138575, 138576,
Basic Maintenance of Internal	Antennas, Connectors,	Adtran		700	1	Lacii		
	Antennas, Connectors, and Related	Adtran		760	1	Lacii		138577, 138578,
Basic Maintenance of Internal Connections		Adtran		760	1	Lacii		

			Manufacturer Other				Installation and Initial	
ervice Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
asic Maintenance of Internal	Racks	Hewlett Packard		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Antennas, Connectors,	Alcatel-Lucent or		760	1	Each	Yes	138575, 138576,
	and Related	equivalent						138577, 138578,
	Components							138579, 138669,
	*							138670
nternal Connections	Racks	Hubbell or			1	Each	Yes	138575, 138576,
		equivalent						138577, 138578,
		equivalent						138579, 138669,
								138670
Decla Malatana and Electronia	A	Alestal I access		760	1	P. d.		
Basic Maintenance of Internal	Antennas, Connectors,	Alcatel-Lucent		760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Racks	Hubbell		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Antennas, Connectors,	Allied Telesis or		760	1	Each	Yes	138575, 138576,
	and Related	equivalent						138577, 138578,
	Components							138579, 138669,
	*							138670
nternal Connections	Racks	Juniper Networks or			1	Each	Yes	138575, 138576,
mernar connections	racks				1	Lucii	Tes	
		equivalent						138577, 138578,
								138579, 138669,
				<b>7</b> .40				138670
Basic Maintenance of Internal	Antennas, Connectors,	Allied Telesis		760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Racks	Juniper Networks		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Antennas, Connectors,	American Power		760	1	Each	Yes	138575, 138576,
	and Related	Conversion or						138577, 138578,
	Components	equivalent						138579, 138669,
								138670
nternal Connections	Racks	Other	61		1	Each	Yes	138575, 138576,
			"-		-			138577, 138578,
								138579, 138669,
				W.40				138670
Basic Maintenance of Internal	Antennas, Connectors,	American Power		760	1	Each		138575, 138576,
Connections	and Related	Conversion						138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Racks	Other	61	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Antennas, Connectors,	Other	63	760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
	Components							138670
	-			1			1	1300/0
nternal Connections	Racks	Panduit or			1	Each	Yes	138575, 138576,

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
								138579, 138669, 138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	63	760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Racks	Panduit		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Antennas, Connectors,	Belden or quivalent		760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Internal Connections	Racks	Tripplite or			1	Each	Yes	138575, 138576,
		equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Belden		760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
Decis Maintenant of Internal	D. de	Tringlie		7.00	1	End		138670
Basic Maintenance of Internal	Racks	Tripplite		760	1	Each		138575, 138576,
Connections								138577, 138578, 138579, 138669,
								138670
Internal Connections	Antennas, Connectors,	Belkin or equivalent		760	1	Each	Yes	138575, 138576,
Internal Connections	and Related	Beikin of equivalent		700	,	Laci	103	138577, 138578,
	Components							138579, 138669,
	I							138670
Internal Connections	Racks	Other	65		1	Each	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Belkin		760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Racks	Other	65	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Antennas, Connectors,	Black Box or		760	1	Each	Yes	138575, 138576,
	and Related	equivalent						138577, 138578,
	Components							138579, 138669,
Internal Comments	D. de	Other	(7			E.J.	V	138670
Internal Connections	Racks	Other	67		1	Each	Yes	138575, 138576,
								138577, 138578, 138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Black Box		760	1	Each		138575, 138576,
Connections	and Related	Date Box		1.30	-	Lateri		138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Racks	Other	67	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
	1		I		1			I

ervice Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
nternal Connections	Antennas, Connectors,	Other	47	760	1	Each	Yes	138575, 138576,
internal Connections	and Related	Other	47	700	1	Lacii	Tes	
								138577, 138578,
	Components							138579, 138669,
								138670
nternal Connections	Racks	Other	55		1	Each	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	47	760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Racks	Other	55	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Antennas, Connectors,	Other	1	760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
								138670
nternal Connections	Routers and Necessary	Adtran or equivalent			1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	1	760	1	Each		138575, 138576,
Connections	and Related	Other	1	700	1	Lacii		
connections								138577, 138578,
	Components							138579, 138669,
				<b></b>				138670
Basic Maintenance of Internal	Routers	Adtran		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Antennas, Connectors,	Other	3	760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
								138670
nternal Connections	Routers and Necessary	Alcatel-Lucent or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	3	760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Routers	Alcatel-Lucent		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Antennas, Connectors,	Other	77	760	1	Each	Yes	138575, 138576,
	and Related	Oulei	.,	, 50	*	Lucii	103	
								138577, 138578,
	Components							138579, 138669,
. 10	D	AN: 1 = 3 :				Б.	37	138670
nternal Connections	Routers and Necessary	Allied Telesis or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	77	760	1	Each		138575, 138576,

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
								138579, 138669, 138670
Basic Maintenance of Internal	Routers	Allied Telesis		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Antennas, Connectors,	Cisco Systems or		760	1	Each	Yes	138575, 138576,
	and Related	equivalent						138577, 138578,
	Components							138579, 138669,
								138670
Internal Connections	Routers and Necessary	Other	79		1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Cisco Systems		760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Routers	Other	79	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
T. 10 2				7.0		Б.1	37	138670
Internal Connections	Antennas, Connectors,	CommScope or		760	1	Each	Yes	138575, 138576,
	and Related	equivalent						138577, 138578, 138579, 138669,
	Components							138670
Internal Connections	Routers and Necessary	Other	81		1	Each	Yes	138575, 138576,
mema connections	Software and Licenses	Other	01		,	Lucii	103	138577, 138578,
	Software and Electises							138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	82	760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Routers	Other	81	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Antennas, Connectors,	Other	79	760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Internal Connections	Routers and Necessary	Other	1		1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
Deals Malatanana and China	Automore Co	Others	70	7.00		P. J		138670
Basic Maintenance of Internal Connections	Antennas, Connectors, and Related	Other	79	760	1	Each		138575, 138576,
Connections	Components							138577, 138578, 138579, 138669,
	Components							138579, 138669,
Basic Maintenance of Internal	Routers	Other	1	760	1	Each		138575, 138576,
Connections	11041013			, 50	-	Lateri		138577, 138578,
								138579, 138669,
								138670
Internal Connections	Antennas, Connectors,	CradlePoint or		760	1	Each	Yes	138575, 138576,
	and Related	equivalent		,			1	138577, 138578,
		1						
	Components							138579, 138669,

			Manufacturer Other				Installation and Initial	
ervice Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
nternal Connections	Routers and Necessary	Other	3		1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	CradlePoint		760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Routers	Other	3	760	1	Each		138575, 138576,
Connections	Trouters	- Cuici		700	•	Laci		138577, 138578,
connections								138579, 138669,
		2.1.1		<b>7</b> .40				138670
nternal Connections	Antennas, Connectors,	D-Link or		760	1	Each	Yes	138575, 138576,
	and Related	equivalent						138577, 138578,
	Components							138579, 138669,
								138670
nternal Connections	Routers and Necessary	Other	77		1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	D-Link		760	1	Each		138575, 138576,
Connections	and Related	D Ellik		700	1	Lucii		138577, 138578,
connections								
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Routers	Other	77	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Antennas, Connectors,	Other	92	760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
								138670
nternal Connections	Routers and Necessary	Cisco Systems or			1	Each	Yes	138575, 138576,
meriai Connections	Software and Licenses	1			1	Lacii	103	138577, 138578,
	Software and Licenses	equivalent						
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	92	760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Routers	Cisco Systems		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Antennas, Connectors,	Dell or equivalent		760	1	Each	Yes	138575, 138576,
merical Connections	and Related	Den of equivalent		700		Lucii	103	138577, 138578,
	Components							138579, 138669,
	+_							138670
nternal Connections	Routers and Necessary	D-Link or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Dell		760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
	F							138670
Basic Maintenance of Internal	Routers	D-Link		760	1	Each		
asic iviaimenance of internal	Routers	D-LIIIK		1 /00	1	Lacu	1	138575, 138576,

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	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,
Internal Connections	Routers and Necessary Software and Licenses	Dell or equivalent			1	Each	Yes	138670 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

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
Basic Maintenance of Internal	Antennas, Connectors,	Other	10	760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
	*							138670
Basic Maintenance of Internal	Routers	Other	16	760	1	Each		138575, 138576,
Connections	Routers	Other	10	700	1	Lacii		
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Antennas, Connectors,	Extreme Networks		760	1	Each	Yes	138575, 138576,
	and Related	or equivalent						138577, 138578,
	Components							138579, 138669,
								138670
Internal Connections	Routers and Necessary	Hewlett Packard or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
		1						138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Extreme Networks		760	1	Each		138575, 138576,
		Extreme Networks		760	1	Eacii		
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Routers	Hewlett Packard		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Antennas, Connectors,	Other	104	760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
	Components							138670
T. 10	D : 137	T 1 N. 1				Б.		
Internal Connections	Routers and Necessary	Juniper Networks or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	104	760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Routers	Juniper Networks		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
T. 10		P. d. c.		7.00		Б.		
Internal Connections	Antennas, Connectors,	Fortinet or		760	1	Each	Yes	138575, 138576,
	and Related	equivalent						138577, 138578,
	Components							138579, 138669,
								138670
Internal Connections	Routers and Necessary	Other	22		1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Fortinet		760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
Connections	Components							138579, 138669,
	Components							
	_					l		138670
Basic Maintenance of Internal	Routers	Other	22	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Antennas, Connectors,	Other	16	760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
		1	1	1	I .	1	1	, ,

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
								138579, 138669, 138670
Internal Connections	Routers and Necessary	Other	109		1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	16	760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
	Components							138670
Basic Maintenance of Internal	Routers	Other	109	760	1	Each		138575, 138576,
Connections	Routers	Other	107	700	1	Lacii		138577, 138578,
connections								138579, 138669,
fotomal Commentions	A-4 G4	Other	50	7.00	1	P. d.	V.	138670
Internal Connections	Antennas, Connectors,	Other	58	760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
		-		1				138670
Internal Connections	Routers and Necessary	Ruckus or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	58	760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Routers	Ruckus		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Antennas, Connectors,	Hewlett Packard or		760	1	Each	Yes	138575, 138576,
	and Related	equivalent						138577, 138578,
	Components							138579, 138669,
								138670
Internal Connections	Routers and Necessary	Other	33		1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Hewlett Packard		760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
	Components							138670
Basic Maintenance of Internal	Routers	Other	33	760	1	Each		
	Routers	Other	33	700	1	Eacii		138575, 138576, 138577, 138578,
Connections								
								138579, 138669,
Internal Communication	Automore Co	Others	116	7.00	1	P. J	V	138670
Internal Connections	Antennas, Connectors,	Other	116	760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
		-						138670
Internal Connections	Routers and Necessary	Ubiquiti or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	116	760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,

			Manufacturer Other				Installation and Initial	
ervice Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
asic Maintenance of Internal	Routers	Ubiquiti		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Antennas, Connectors,	Other	118	760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
	*							138670
nternal Connections	Routers and Necessary	Other	45		1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	118	760	1	Each		138575, 138576,
		Other	110	760	1	Eacii		
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Routers	Other	45	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Antennas, Connectors,	Juniper Networks or		760	1	Each	Yes	138575, 138576,
	and Related	equivalent						138577, 138578,
	Components							138579, 138669,
								138670
nternal Connections	Switches and Necessary	Adtran or equivalent			1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
	Software and Electises							138579, 138669,
								138670
Basic Maintenance of Internal	Antonnos Compostoro	Ivain on Matricolle		760	1	Each		
	Antennas, Connectors,	Juniper Networks		/60	1	Eacn		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Switches	Adtran		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
internal Connections	Antennas, Connectors,	Other	22	760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
								138670
nternal Connections	Switches and Necessary	Alcatel-Lucent or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	22	760	1	Each		138575, 138576,
Connections	and Related	Juici		/60	1	Lacii		
CONNECTIONS								138577, 138578,
	Components							138579, 138669,
						 		138670
Basic Maintenance of Internal	Switches	Alcatel-Lucent		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Antennas, Connectors,	Other	30	760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
	F							138670
nternal Connections	Switches and Necessary	Allied Telesis or			1	Each	Yes	138575, 138576,
	b witches and incressary	/ IIIIcu i cicaià Ui	Í.	1	1 1	Lacii	100	1000/0, 1000/0,

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

Internal Connections  Basic Maintenance of Internal Connections  Basic Maintenance of Internal Connections  Internal Connections  A Connections  Internal Connections  A Connections  A Connections  S S S S S S S S S S S S S S S S S S	Function  Antennas, Connectors, and Related Components  Switches and Necessary Software and Licenses  Antennas, Connectors, and Related Components  Switches  Antennas, Connectors, and Related Components  Switches  Switches  Switches and Necessary Software and Licenses	Manufacturer Other Other Other Other	Description  136  3  136  140	760 760	Quantity  1  1  1	Each  Each	Yes Yes	Associated RFPs  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138570, 138576, 138570, 138576,
Internal Connections  Basic Maintenance of Internal Connections  Basic Maintenance of Internal Connections  Internal Connections  A Connections  S S S S S S S S S S S S S S S S S S	and Related Components  Switches and Necessary Software and Licenses  Antennas, Connectors, and Related Components  Switches  Antennas, Connectors, and Related Components  Switches  Switches  Switches	Other Other	3 136	760	1	Each Each		138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138575, 138576, 138577, 138578, 138577, 138578, 138579, 138669,
Internal Connections  Basic Maintenance of Internal Connections  Basic Maintenance of Internal Connections  Internal Connections  A Connections  S S S S S S S S S S S S S S S S S S	Components  Switches and Necessary Software and Licenses  Antennas, Connectors, and Related Components  Switches  Antennas, Connectors, and Related Components  Switches  Switches Switches and Necessary	Other	136		1	Each	Yes	138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138577, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections  S S S S S S S S S S S S S S S S S S	Switches and Necessary Software and Licenses  Antennas, Connectors, and Related Components Switches  Antennas, Connectors, and Related Components Switches Switches	Other	136		1	Each	Yes	138575, 138576, 138575, 138578, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections  Basic Maintenance of Internal Connections  Internal Connections  A C Internal Connections  S Basic Maintenance of Internal S	Software and Licenses  Antennas, Connectors, and Related Components  Switches  Antennas, Connectors, and Related Components  Switches  Switches and Necessary	Other	136		1	Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections  Basic Maintenance of Internal Connections  Internal Connections  A Connections  S  Internal Connections  S  Basic Maintenance of Internal Connections  S  Basic Maintenance of Internal Connections  S  Basic Maintenance of Internal Connections  S  S  S  S  S  S  S  S  S  S  S  S  S	Software and Licenses  Antennas, Connectors, and Related Components  Switches  Antennas, Connectors, and Related Components  Switches  Switches and Necessary	Other	136		1	Each	Yes	138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections  Basic Maintenance of Internal Connections  Internal Connections  A Connections  S  Internal Connections  S  Basic Maintenance of Internal Connections  S  Basic Maintenance of Internal Connections  S  Basic Maintenance of Internal Connections  S  S  S  S  S  S  S  S  S  S  S  S  S	Software and Licenses  Antennas, Connectors, and Related Components  Switches  Antennas, Connectors, and Related Components  Switches  Switches and Necessary	Other	136			Each		138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal Connections  Basic Maintenance of Internal Connections  Internal Connections  A Connections  S  Internal Connections  S  Basic Maintenance of Internal S	Antennas, Connectors, and Related Components Switches Antennas, Connectors, and Related Components Switches and Necessary	Other	3					138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670
Connections  a Connections  Basic Maintenance of Internal  Connections  Internal Connections  A Connections  Salation Maintenance of Internal  Connections  A Connections  Salation Maintenance of Internal  A Connections  Connections  Connections  Connections  Salation Maintenance of Internal  Connections  Connections  Salation Maintenance of Internal	and Related Components  Switches  Antennas, Connectors, and Related Components  Switches and Necessary	Other	3					138575, 138576, 138575, 138578, 138577, 138578, 138579, 138669, 138670
Connections  a Connections  Basic Maintenance of Internal  Connections  Internal Connections  A Connections  Salation Maintenance of Internal  Connections  A Connections  Salation Maintenance of Internal  A Connections  Connections  Connections  Connections  Salation Maintenance of Internal  Connections  Connections  Salation Maintenance of Internal	and Related Components  Switches  Antennas, Connectors, and Related Components  Switches and Necessary	Other	3					138575, 138576, 138577, 138578, 138579, 138669, 138670
Connections  a Connections  Basic Maintenance of Internal  Connections  Internal Connections  A Connections  Salation Maintenance of Internal  Connections  A Connections  Salation Maintenance of Internal  A Connections  Connections  Connections  Connections  Salation Maintenance of Internal  Connections  Connections  Salation Maintenance of Internal	and Related Components  Switches  Antennas, Connectors, and Related Components  Switches and Necessary	Other	3					138577, 138578, 138579, 138669, 138670
Basic Maintenance of Internal  Connections  Internal Connections  A  Connections  S  S  S  Basic Maintenance of Internal  A  Connections  C  Basic Maintenance of Internal  S  S  S  S  S  S  S  S  S  S  S  S  S	Components  Switches  Antennas, Connectors, and Related  Components  Switches and Necessary			760	1	Each		138579, 138669, 138670
Basic Maintenance of Internal  Connections  Internal Connections  A  Connections  S  S  Basic Maintenance of Internal  Connections  A  Connections  S  Basic Maintenance of Internal  Connections  S  S  S  S  S  S  S  S  S  S  S  S  S	Switches  Antennas, Connectors, and Related Components  Switches and Necessary			760	1	Each		138670
Connections  Internal Connections  A C Internal Connections  S S Basic Maintenance of Internal  Connections  a C Basic Maintenance of Internal  S S S S S S S S S S S S S S S S S S	Antennas, Connectors, and Related Components Switches and Necessary			760	1	Each		
Connections  Internal Connections  A C Internal Connections  S S Basic Maintenance of Internal  Connections  a C Basic Maintenance of Internal  S S S S S S S S S S S S S S S S S S	Antennas, Connectors, and Related Components Switches and Necessary			760	1	Each		138575, 138576,
Internal Connections  A  C  Internal Connections  S  S  Basic Maintenance of Internal  Connections  a  C  Basic Maintenance of Internal  S	and Related Components Switches and Necessary	Other	140					
Internal Connections  S S S Basic Maintenance of Internal Connections  a C Basic Maintenance of Internal S	and Related Components Switches and Necessary	Other	140					138577, 138578,
Internal Connections  S S S Basic Maintenance of Internal Connections  a C Basic Maintenance of Internal S	and Related Components Switches and Necessary	Other	140					138579, 138669,
Internal Connections  S S S Basic Maintenance of Internal Connections  a C Basic Maintenance of Internal S	and Related Components Switches and Necessary	Other	140					138670
Internal Connections  S S S Basic Maintenance of Internal Connections  a C Basic Maintenance of Internal S	and Related Components Switches and Necessary			760	1	Each	Yes	138575, 138576,
Internal Connections  S  S  Basic Maintenance of Internal  Connections  a  C  Basic Maintenance of Internal  S	Components Switches and Necessary		i .					138577, 138578,
Internal Connections  S S Basic Maintenance of Internal Connections  a C Basic Maintenance of Internal S	Switches and Necessary							138579, 138669,
Basic Maintenance of Internal A Connections a C Basic Maintenance of Internal S	-							
Basic Maintenance of Internal A Connections a C Basic Maintenance of Internal S	-							138670
Basic Maintenance of Internal A Connections a C Basic Maintenance of Internal S	Software and Licenses	Other	77		1	Each	Yes	138575, 138576,
Connections a C  Basic Maintenance of Internal S								138577, 138578,
Connections a C  Basic Maintenance of Internal S								138579, 138669,
Connections a C  Basic Maintenance of Internal S								138670
Basic Maintenance of Internal S	Antennas, Connectors,	Other	140	760	1	Each		138575, 138576,
Basic Maintenance of Internal S	and Related							138577, 138578,
	Components							138579, 138669,
								138670
	Switches	Other	77	760	1	Each		138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
. 10		D. I.		7.00		Б.1	77	
	Antennas, Connectors,	Ruckus or		760	1	Each	Yes	138575, 138576,
	and Related	equivalent						138577, 138578,
	Components							138579, 138669,
								138670
Internal Connections S	Switches and Necessary	Cisco Systems or			1	Each	Yes	138575, 138576,
S	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Ruckus		760	1	Each		138575, 138576,
Connections a	and Related							138577, 138578,
(	Components							138579, 138669,
	-							138670
Basic Maintenance of Internal S	Switches	Cisco Systems		760	1	Each		138575, 138576,
Connections					-			138577, 138578,
								138579, 138669,
francisco de la constitución de	Automore Co.	G		760	1	E. d	V	138670
	Antennas, Connectors,	Samsung or		760	1	Each	Yes	138575, 138576,
	and Related	equivalent						138577, 138578,
	Components							138579, 138669,
								138670
Internal Connections S	Switches and Necessary	D-Link or			1	Each	Yes	138575, 138576,
s	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal A	Antennas, Connectors,	Samsung		760	1	Each		138575, 138576,
	and Related	Summing		, 30	_			138577, 138578,
Connections	and Related							130377, 130370,

Service Type         Function         Manufacturer         Description         Entities           Basic Maintenance of Internal Connections         Switches         D-Link         760           Internal Connections         Antennas, Connectors, and Related Components         SonicWALL or equivalent         760           Internal Connections         Switches and Necessary Software and Licenses         Dell or equivalent         760           Basic Maintenance of Internal Connections         Antennas, Connectors, and Related Components         SonicWALL         760           Internal Connections         Antennas, Connectors, and Related Components         Other         33         760           Internal Connections         Switches and Necessary Software and Licenses         Other         94         760           Basic Maintenance of Internal Connections         Antennas, Connectors, and Related Components         Other         33         760           Basic Maintenance of Internal Connections         Antennas, Connectors, and Related Components         Other         33         760	Quantity  1  1  1  1  1  1  1  1	Each  Each  Each  Each  Each	Yes  Yes  Yes  Yes	Associated RFPs  138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670
Connections  Antennas, Connectors, and Related Components  Switches and Necessary Software and Licenses  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Switches and Necessary Software and Licenses  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Dell Jor equivalent  760  Poll or equivalent  760  Poll or equivalent  760  Dell or equivalent  760  Dell or equivalent  760  Total or equivalent  760  Total or equivalent  760  Dell or equivalent  760  Total	1 1 1	Each  Each  Each  Each	Yes	138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670
Connections  Antennas, Connectors, and Related Components  Switches and Necessary Software and Licenses  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Switches and Necessary Software and Licenses  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Dell 760  Total 760	1 1 1	Each  Each  Each  Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138577, 138576, 138577, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138577, 138578,
Connections  Antennas, Connectors, and Related Components  Switches and Necessary Software and Licenses  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Switches and Necessary Software and Licenses  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Dell 760  Total 760	1 1 1	Each  Each  Each  Each	Yes	138577, 138578, 138579, 138669, 138575, 138576, 138577, 138578, 138579, 138669, 138575, 138576, 138575, 138576, 138577, 138578, 138579, 138669, 138570, 138576, 138577, 138578, 138579, 138669, 138577, 138578, 138579, 138669, 138577, 138578, 138579, 138669, 138575, 138576, 138577, 138578, 138579, 138669, 138579, 138669, 138579, 138669, 138579, 138670
and Related Components  Switches and Necessary Software and Licenses  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Dell or equivalent  760  SonicWALL  760  Dell  760  Tonnections  Antennas Connectors, and Related Components  Dell  760  Total  To	1 1 1	Each  Each  Each	Yes	138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138577, 138578, 138579, 138669, 138577, 138576, 138577, 138578, 138579, 138669, 138670
and Related Components  Switches and Necessary Software and Licenses  Dell or equivalent  Antennas, Connectors, and Related Components  Switches  Dell  760  Tonnections  Dell  760  Tonnections  Dell  760  Tonnections  Antennas, Connectors, and Related Components  Dell  760  Tother  33  760  Internal Connections  Antennas, Connectors, and Related Components  Other  33  760  Tother  Switches and Necessary Software and Licenses  Tother	1 1 1	Each  Each  Each	Yes	138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138577, 138578, 138579, 138669, 138577, 138578,
and Related Components  Switches and Necessary Software and Licenses  Dell or equivalent  Antennas, Connectors, and Related Components  Switches  Dell  760  Tonnections  Dell  760  Tonnections  Dell  760  Tonnections  Antennas, Connectors, and Related Components  Dell  760  Tother  33  760  Internal Connections  Antennas, Connectors, and Related Components  Other  33  760  Tother  Switches and Necessary Software and Licenses  Tother	1 1 1	Each  Each  Each	Yes	138577, 138578, 138579, 138669, 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138577, 138578, 138577, 138578, 138579, 138669, 138575, 138576, 138577, 138578, 138579, 138669, 138575, 138576, 138575, 138576,
Components  Switches and Necessary Software and Licenses  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Dell  760  Poll  760  Tonections  Antennas, Connectors, and Related Components  Dell  760  Tonections  Other  33  760  Internal Connections  Switches and Necessary Software and Licenses  Other  94  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Other  94  Tofo  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Other  94  760  Tother  760	1 1	Each Each	Yes	138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138577, 138578, 138577, 138576, 138577, 138576, 138577, 138578, 138579, 138669, 138670
Internal Connections  Switches and Necessary Software and Licenses  Dell or equivalent  Antennas, Connectors, and Related Components  Dell  760  Tonnections  Tonnections  Dell  760  Tonnections  Tonnections  Dell  760  Tonnections  Total  Tot	1 1	Each Each	Yes	138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138579, 138669, 138670  138575, 138576, 138577, 138578, 138577, 138578, 138577, 138578, 138577, 138578, 138577, 138578, 138577, 138578, 138577, 138578,
Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Switches  Dell  760  Antennas Connections  Dell  760  Internal Connections  Antennas, Connectors, and Related Components  Other  33  760  Internal Connections  Switches and Necessary Software and Licenses  Other  33  760  Basic Maintenance of Internal  Antennas, Connectors, and Related Components  Other  94  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Other  94  760  Antennas, Connectors, and Related Components  Other  94  760	1 1	Each Each	Yes	138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138577, 138578, 138577, 138576, 138577, 138576, 138577, 138578,
Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Switches  Dell  760  Antennas Connections  Dell  760  Internal Connections  Antennas, Connectors, and Related Components  Other  33  760  Internal Connections  Switches and Necessary Software and Licenses  Other  33  760  Basic Maintenance of Internal  Antennas, Connectors, and Related Components  Other  94  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Other  94  760  Antennas, Connectors, and Related Components  Other  94  760	1 1	Each Each	Yes	138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138577, 138578, 138579, 138669, 138670 138575, 138576, 138575, 138576,
Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Other  33  760  Internal Connections  Antennas, Connectors, and Related Components  Other  94  Basic Maintenance of Internal Antennas, Connectors, and Related Components  Other  95  Other  96  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Other  96  Antennas, Connectors, and Related Components  Other  97  Other  98  760  760	1	Each Each		138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138575, 138576, 138575, 138576,
Connections  and Related Components  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Other  33  760  Internal Connections  Switches and Necessary Software and Licenses  Other  94  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Other  94  760  Basic Maintenance of Internal Connections  Switches  Other  94  760	1	Each Each		138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138577, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138575, 138576,
Connections  and Related Components  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Other  33  760  Internal Connections  Switches and Necessary Software and Licenses  Other  94  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Other  94  760  Basic Maintenance of Internal Connections  Switches  Other  94  760	1	Each Each		138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138575, 138576,
Connections  and Related Components  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Other  33  760  Internal Connections  Switches and Necessary Software and Licenses  Other  94  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Other  94  760  Basic Maintenance of Internal Connections  Switches  Other  94  760	1	Each Each		138577, 138578, 138579, 138669, 138575, 138576, 138575, 138576, 138577, 138578, 138579, 138669, 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138575, 138576,
Components  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Miternal Connections  Switches and Necessary Software and Licenses  Other  94  Antennas, Connectors, and Related Components  Other  95  Other  96  Total Connections  Switches and Necessary Software and Licenses  Other  97  Total Connections  Switches and Necessary Software and Licenses  Other  98  Total Connections  Total Connec	1	Each		138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138575, 138576,
Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Switches and Necessary Software and Licenses  Other  94  Antennas, Connectors, and Related Components  Other  95  Antennas, Connectors, and Related Components  Other  96  Antennas Connectors, and Related Connections  Antennas, Connectors, and Related Components  Other  97  Other  98  Total Connections	1	Each		138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138575, 138576,
Connections  Antennas, Connectors, and Related Components  Internal Connections  Switches and Necessary Software and Licenses  Basic Maintenance of Internal Components  Antennas, Connectors, and Related Components  Other  33  760  760  Thermal Connections  Switches Other  33  760  760  Thermal Connections  Antennas, Connectors, and Related Components  Other  94  760	1	Each		138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578,
Connections  Antennas, Connectors, and Related Components  Internal Connections  Switches and Necessary Software and Licenses  Basic Maintenance of Internal Components  Antennas, Connectors, and Related Components  Other  33  760  760  Thermal Connections  Switches Other  33  760  760  Thermal Connections  Antennas, Connectors, and Related Components  Other  94  760	1	Each		138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578,
Internal Connections  Antennas, Connectors, and Related Components  Internal Connections  Switches and Necessary Software and Licenses  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Other  33  760  760  Basic Maintenance of Internal Switches  Other  94  760				138579, 138669, 138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578,
and Related Components  Switches and Necessary Software and Licenses  Antennas, Connectors, and Related Components  Other  33  760  Connections  Basic Maintenance of Internal Switches  Other  94  760				138670 138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578,
and Related Components  Switches and Necessary Software and Licenses  Antennas, Connectors, and Related Components  Other  33  760  Connections  Basic Maintenance of Internal Switches  Other  94  760				138575, 138576, 138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578,
and Related Components  Internal Connections  Switches and Necessary Software and Licenses  Other  94  Antennas, Connectors, and Related Components  Other  33  760  Basic Maintenance of Internal Switches  Other  94  760				138577, 138578, 138579, 138669, 138670 138575, 138576, 138577, 138578,
Components  Switches and Necessary Software and Licenses  Antennas, Connectors, and Related Components  Other  33  760  Basic Maintenance of Internal Switches Other  94  760	1	Each	Yes	138579, 138669, 138670 138575, 138576, 138577, 138578,
Internal Connections  Switches and Necessary Software and Licenses  Other  94  Basic Maintenance of Internal Connections  Antennas, Connectors, and Related Components  Other  94  760  760	1	Each	Yes	138670 138575, 138576, 138577, 138578,
Software and Licenses  Basic Maintenance of Internal Antennas, Connectors, and Related Components  Basic Maintenance of Internal Switches Other 94 760	1	Each	Yes	138575, 138576, 138577, 138578,
Software and Licenses  Basic Maintenance of Internal Antennas, Connectors, and Related Components  Basic Maintenance of Internal Switches Other 94 760	1	Each	Yes	138577, 138578,
Basic Maintenance of Internal Antennas, Connectors, and Related Components  Basic Maintenance of Internal Switches Other 94 760				
Connections and Related Components  Basic Maintenance of Internal Switches Other 94 760				138579 138669
Connections and Related Components  Basic Maintenance of Internal Switches Other 94 760				130379, 130009,
Connections and Related Components  Basic Maintenance of Internal Switches Other 94 760				138670
Components  Basic Maintenance of Internal Switches Other 94 760	1	Each		138575, 138576,
Basic Maintenance of Internal Switches Other 94 760				138577, 138578,
				138579, 138669,
				138670
Connections	1	Each		138575, 138576,
				138577, 138578,
				138579, 138669,
				138670
Internal Connections Antennas, Connectors, Tripplite or 760	1	Each	Yes	138575, 138576,
and Related equivalent				138577, 138578,
Components				138579, 138669,
		<u> </u>		138670
Internal Connections Switches and Necessary Other 10	1	Each	Yes	138575, 138576,
Software and Licenses				138577, 138578,
				138579, 138669,
Basic Maintenance of Internal Antennas, Connectors, Tripplite 760	1	Each	+	138670
Basic Maintenance of Internal Antennas, Connectors, Tripplite 760  Connections and Related	1	Each		138575, 138576,
Connections and Related Components				138577, 138578, 138579, 138669,
Components				138579, 138009,
Basic Maintenance of Internal Switches Other 10 760	1	Each	+	138575, 138576,
Connections Other 10 700	1	Lacii		138577, 138578,
COLLECTIONS				138579, 138669,
				138579, 138009,
Internal Connections Antennas, Connectors, Ubiquiti or 760	1	Each	Yes	138575, 138576,
and Related equivalent		Lacii	103	138575, 138576,
Components	1			138579, 138669,
Composition				1305/7, 130009,

			Manufacturer Other				Installation and Initial	
ervice Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
nternal Connections	Switches and Necessary	Extreme Networks			1	Each	Yes	138575, 138576,
	Software and Licenses	or equivalent						138577, 138578,
								138579, 138669,
								138670
asic Maintenance of Internal	Antennas, Connectors,	Ubiquiti		760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Switches	Extreme Networks		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
ntarnal Connections	Antennas, Connectors,	Other	65	760	1	Each	Yes	138575, 138576,
ternal Connections		Other	03	700	1	Eacii	ies	
	and Related							138577, 138578,
	Components							138579, 138669,
								138670
ternal Connections	Switches and Necessary	Fortinet or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	65	760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Switches	Fortinet		760	1	Each		138575, 138576,
Connections								138577, 138578,
- Some Cook								138579, 138669,
								138670
nternal Connections	Antennas, Connectors,	Other	55	760	1	Each	Yes	138575, 138576,
mernai Connections	and Related	Other	33	700	1	Lacii	ies	138577, 138578,
	Components							138579, 138669,
								138670
nternal Connections	Switches and Necessary	Other	16		1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Antennas, Connectors,	Other	55	760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
								138670
Basic Maintenance of Internal	Switches	Other	16	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Antennas, Connectors,	Other	45	760	1	Each	Yes	138575, 138576,
	and Related							138577, 138578,
	Components							138579, 138669,
								138670
nternal Connections	Switches and Massacce	Hewlett Packard or			1	Foob	Yes	
nternal Connections	Switches and Necessary				1	Each	168	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
asic Maintenance of Internal	Antennas, Connectors,	Other	45	760	1	Each		138575, 138576,
Connections	and Related							138577, 138578,
	Components							138579, 138669,
						<u></u>		138670
asic Maintenance of Internal	Switches	Hewlett Packard		760	1	Each		138575, 138576,
Connections								138577, 13857

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
								138579, 138669, 138670
Internal Connections	Cabling	American Power		760	1	Feet	Yes	138575, 138576,
		Conversion or						138577, 138578,
		equivalent						138579, 138669,
								138670
Internal Connections	Switches and Necessary	Juniper Networks or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	American Power		760	1	Feet		138575, 138576,
Connections		Conversion						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Switches	Juniper Networks		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
		0.1		# 40				138670
Internal Connections	Cabling	Other	63	760	1	Feet	Yes	138575, 138576,
								138577, 138578, 138579, 138669,
								138670
Internal Connections	Switches and Necessary	Other	22		1	Each	Yes	138575, 138576,
Internal Connections	Software and Licenses	Oulci	22		'	Lacii	103	138577, 138578,
	Software and Electises							138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Other	63	760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Switches	Other	22	760	1	Each		138575, 138576,
Connections								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	Other	109		1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
D. M. C. C.	C.I.	0.1	70	7.00		ъ.		138670
Basic Maintenance of Internal Connections	Cabling	Other	79	760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669, 138670
Basic Maintenance of Internal	Switches	Other	109	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Cabling	Belden or quivalent		760	1	Feet	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Switches and Necessary	Ruckus or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
asic Maintenance of Internal	Cabling	Belden		760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
sasic Maintenance of Internal	Switches	Ruckus		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Cabling	Black Box or		760	1	Feet	Yes	138575, 138576,
internal Connections	Cabining			700	1	1 661	168	
		equivalent						138577, 138578,
								138579, 138669,
							+	138670
nternal Connections	Switches and Necessary	Samsung or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Black Box		760	1	Feet		138575, 138576,
onnections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Switches	Samsung		760	1	Each		138575, 138576,
Connections								138577, 138578,
Someonous.								138579, 138669,
								138670
. 10	G I I'	0.1	47	7.00		Б.	37	
nternal Connections	Cabling	Other	47	760	1	Feet	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Switches and Necessary	Ubiquiti or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Other	47	760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Switches	Ubiquiti		760	1	Each		138575, 138576,
Connections	Switches	Colquid		700	,	Lucii		138577, 138578,
connections								
								138579, 138669,
. 10	C.I.	0.1		7.0				138670
nternal Connections	Cabling	Other	1	760	1	Feet	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Switches and Necessary	Other	45		1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Other	1	760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
tasia Maintananaa of Internal	Switches	Other	45	760	1	Each		
asic Maintenance of Internal connections	Switches	Other	43	/00	1	Eacn		138575, 138576,
								138577, 138578,
Connections								138579, 138669,
Connections								
Connections			3	760			Yes	138670

			Monufactores Other				Installation		
Coursian Termo	Eunotion	Manufacturan	Manufacturer Other Description	Entities	Overtite	Timit	and Initial	Associated DEDs	
Service Type	Function	Manufacturer	Description	Enuties	Quantity	Unit	Configuration?	Associated RFPs 138579, 138669,	
								138670	
Internal Connections	Uninterruptable Power	American Power			1	Each	Yes	138575, 138576,	
	Supply/Battery Backup	Conversion or						138577, 138578,	
	and Necessary Software	equivalent						138579, 138669,	
	and Licenses							138670	
Basic Maintenance of Internal	Cabling	Other	3	760	1	Feet		138575, 138576,	
Connections								138577, 138578,	
								138579, 138669,	
								138670	
Basic Maintenance of Internal	Uninterruptable Power	American Power		760	1	Each		138575, 138576,	
Connections	Supply/Battery Backup	Conversion			-			138577, 138578,	
Connections	Supply/Buttery Buenup	Conversion						138579, 138669,	
								138670	
nternal Connections	C-hilling	Ciara Caratana		760		Foot	Yes		
ternal Connections	Cabling	Cisco Systems or		/60	1	Feet	res	138575, 138576,	
		equivalent						138577, 138578,	
								138579, 138669,	
			<u> </u>					138670	
nternal Connections	Uninterruptable Power	Other	81		1	Each	Yes	138575, 138576,	
	Supply/Battery Backup							138577, 138578,	
	and Necessary Software							138579, 138669,	
	and Licenses							138670	
Basic Maintenance of Internal	Cabling	Cisco Systems		760	1	Feet		138575, 138576,	
Connections								138577, 138578,	
								138579, 138669,	
								138670	
Basic Maintenance of Internal	Uninterruptable Power	Other	81	760	1	Each		138575, 138576,	
Connections	Supply/Battery Backup							138577, 138578,	
								138579, 138669,	
								138670	
Internal Connections	Cabling	CommScope or		760	1	Feet	Yes	138575, 138576,	
		equivalent						138577, 138578,	
								138579, 138669,	
								138670	
Internal Connections	Uninterruptable Power	Other	1		1	Each	Yes	138575, 138576,	
	Supply/Battery Backup							138577, 138578,	
	and Necessary Software							138579, 138669,	
	and Licenses							138670	
Basic Maintenance of Internal	Cabling	Other	177	760	1	Feet		138575, 138576,	
Connections								138577, 138578,	
Connections								138579, 138669,	
								138670	
Basic Maintenance of Internal	Unintermentable Devices	Other	1	760	1	Each	1		
	Uninterruptable Power	Other		/60	1	Eacn		138575, 138576,	
Connections	Supply/Battery Backup							138577, 138578,	
								138579, 138669,	
	0.11	a n - :		1				138670	
Internal Connections	Cabling	CradlePoint or		760	1	Feet	Yes	138575, 138576,	
		equivalent						138577, 138578,	
								138579, 138669,	
								138670	
Internal Connections	Uninterruptable Power	Cisco Systems or			1	Each	Yes	138575, 138576,	
	Supply/Battery Backup	equivalent						138577, 138578,	
	and Necessary Software							138579, 138669,	
	and Licenses							138670	
Basic Maintenance of Internal	Cabling	CradlePoint		760	1	Feet		138575, 138576,	
Connections								138577, 138578,	
								138579, 138669,	
	i	1	1	1	1	1	1	I	

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
asic Maintenance of Internal	Uninterruptable Power	Cisco Systems		760	1	Each		138575, 138576,
Connections	Supply/Battery Backup							138577, 138578,
								138579, 138669,
								138670
nternal Connections	Cabling	Other	92	760	1	Feet	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Uninterruptable Power	Dell or equivalent			1	Each	Yes	138575, 138576,
	Supply/Battery Backup							138577, 138578,
	and Necessary Software							138579, 138669,
	and Licenses							138670
Basic Maintenance of Internal	Cabling	Other	92	760	1	Feet		138575, 138576,
Connections	Cabing	Other	)2	700	1	1000		
Connections								138577, 138578,
								138579, 138669,
								138670
asic Maintenance of Internal	Uninterruptable Power	Dell		760	1	Each		138575, 138576,
onnections	Supply/Battery Backup							138577, 138578,
								138579, 138669,
				1				138670
nternal Connections	Cabling	Dell or equivalent		760	1	Feet	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Uninterruptable Power	Eaton or equivalent			1	Each	Yes	138575, 138576,
	Supply/Battery Backup							138577, 138578,
	and Necessary Software							138579, 138669,
	and Licenses							138670
Basic Maintenance of Internal	Cabling	Dell		760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Uninterruptable Power	Eaton		760	1	Each		138575, 138576,
Connections	Supply/Battery Backup							138577, 138578,
Somections	Бирргу/Винсту Вискир							138579, 138669,
								138670
internal Commentions	C-bii	Other	96	760	1	E	V	138575, 138576,
nternal Connections	Cabling	Other	96	760	1	Feet	Yes	
								138577, 138578,
								138579, 138669,
	 			-				138670
nternal Connections	Uninterruptable Power	Fortinet or			1	Each	Yes	138575, 138576,
	Supply/Battery Backup	equivalent						138577, 138578,
	and Necessary Software							138579, 138669,
	and Licenses							138670
Basic Maintenance of Internal	Cabling	Other	96	760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Uninterruptable Power	Fortinet		760	1	Each		138575, 138576,
Connections	Supply/Battery Backup							138577, 138578,
								138579, 138669,
								138670
nternal Connections	Cabling	Other	98	760	1	Feet	Yes	138575, 138576,
Connections				, 50	1	1301	100	138573, 138576,
								138579, 138669,
			-	1				138670
nternal Connections	Uninterruptable Power	Hewlett Packard or		1	1	Each	Yes	138575, 138576,

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
	and Necessary Software and Licenses							138579, 138669, 138670
Basic Maintenance of Internal	Cabling	Other	98	760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Uninterruptable Power	Hewlett Packard		760	1	Each		138575, 138576,
Connections	Supply/Battery Backup							138577, 138578,
								138579, 138669,
								138670
Internal Connections	Cabling	Other	104	760	1	Feet	Yes	138575, 138576,
Comecanis	Cuomig			700	•	1000	103	138577, 138578,
								138579, 138669,
								138670
Intornal Compostions	Uninterruptable Power	Other	61		1	Each	Yes	
nternal Connections	1	Other	61		1	Eacii	ies	138575, 138576,
	Supply/Battery Backup							138577, 138578,
	and Necessary Software							138579, 138669,
	and Licenses		1	+_				138670
asic Maintenance of Internal	Cabling	Other	104	760	1	Feet		138575, 138576,
onnections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Uninterruptable Power	Other	61	760	1	Each		138575, 138576,
Connections	Supply/Battery Backup							138577, 138578,
								138579, 138669,
								138670
Internal Connections	Cabling	Fortinet or		760	1	Feet	Yes	138575, 138576,
		equivalent						138577, 138578,
								138579, 138669,
								138670
Internal Connections	Uninterruptable Power	Other	189		1	Each	Yes	138575, 138576,
	Supply/Battery Backup							138577, 138578,
	and Necessary Software							138579, 138669,
	and Licenses							138670
Basic Maintenance of Internal	Cabling	Fortinet		760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Uninterruptable Power	Other	189	760	1	Each		138575, 138576,
Connections	Supply/Battery Backup							138577, 138578,
								138579, 138669,
								138670
internal Connections	Cabling	Other	58	760	1	Feet	Yes	138575, 138576,
mernar Connections	Caomig	Other	36	700	1	reet	Tes	138573, 138576,
								138579, 138669,
internal Compostion -	Haintonny (-1.1. D	Othor	102	+	1	Foot	Vac	138670
nternal Connections	Uninterruptable Power	Other	192		1	Each	Yes	138575, 138576,
	Supply/Battery Backup							138577, 138578,
	and Necessary Software							138579, 138669,
	and Licenses							138670
Basic Maintenance of Internal	Cabling	Other	58	760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
				1				138670
Basic Maintenance of Internal	Uninterruptable Power	Other	192	760	1	Each		138575, 138576,
Connections	Supply/Battery Backup							138577, 138578,
miccions								138579, 138669,

Service Type	Function	Manufacturer	Manufacturer Other  Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
			Description	760	Quantity			
nternal Connections	Cabling	Hewlett Packard or		/60	1	Feet	Yes	138575, 138576,
		equivalent						138577, 138578,
								138579, 138669,
								138670
nternal Connections	Uninterruptable Power	Tripplite or			1	Each	Yes	138575, 138576,
	Supply/Battery Backup	equivalent						138577, 138578,
	and Necessary Software							138579, 138669,
	and Licenses							138670
Basic Maintenance of Internal	Cabling	Hewlett Packard		760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
asic Maintenance of Internal				-				138670
asic Maintenance of Internal	Uninterruptable Power	Tripplite		760	1	Each		138575, 138576,
onnections	Supply/Battery Backup							138577, 138578,
								138579, 138669,
								138670
nternal Connections	Cabling	Other	116	760	1	Feet	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Uninterruptable Power	Other	67		1	Each	Yes	138575, 138576,
	Supply/Battery Backup							138577, 138578,
	and Necessary Software							138579, 138669,
	and Licenses							138670
Basic Maintenance of Internal	Cabling	Other	116	760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Uninterruptable Power	Other	67	760	1	Each		138575, 138576,
Connections	Supply/Battery Backup							138577, 138578,
								138579, 138669,
								138670
nternal Connections	Cabling	Other	118	760	1	Feet	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Wireless Access Points	Other	57		1	Each	Yes	138575, 138576,
	and Necessary Software							138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Other	118	760	1	Feet		138575, 138576,
Connections	Caoinig	Other	110	700	1	1000		138577, 138578,
connections								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Access Points	Other	57	760	1	Each		
Connections	Wheless Access Politis	Other	37	760	1	Eacii		138575, 138576,
connections								138577, 138578,
								138579, 138669,
. 10	G IV			7.00			V.	138670
nternal Connections	Cabling	Juniper Networks or		760	1	Feet	Yes	138575, 138576,
		equivalent						138577, 138578,
								138579, 138669,
				1				138670
nternal Connections	Wireless Access Points	Other	203		1	Each	Yes	138575, 138576,
	and Necessary Software							138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Juniper Networks		760	1	Feet		138575, 138576,
Connections								138577, 138578,

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
								138579, 138669, 138670
Basic Maintenance of Internal	Wireless Access Points	Other	203	760	1	Each		138575, 138576,
Connections								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	Alcatel-Lucent or			1	Each	Yes	138575, 138576,
	and Necessary Software	equivalent						138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Other	22	760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Access Points	Alcatel-Lucent		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
T. 10	G III	D 11:		7.00		Б.		138670
Internal Connections	Cabling	Panduit or		760	1	Feet	Yes	138575, 138576,
		equivalent						138577, 138578, 138579, 138669,
								138670
Internal Connections	Wireless Access Points	Allied Telesis or			1	Each	Yes	138575, 138576,
Internal Connections	and Necessary Software	equivalent				Lucii	103	138577, 138578,
	and Licenses	equivalent						138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Panduit		760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Access Points	Allied Telesis		760	1	Each		138575, 138576,
Connections								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	Other	79		1	Each	Yes	138575, 138576,
	and Necessary Software							138577, 138578,
	and Licenses							138579, 138669,
D. M. C. C. C.	G IV	0.1	122	7.00				138670
Basic Maintenance of Internal	Cabling	Other	132	760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669, 138670
Basic Maintenance of Internal	Wireless Access Points	Other	79	760	1	Each		138575, 138576,
Connections	WHOICSS ACCESS POINTS	Ouici		7.00		Latii		138575, 138576, 138577, 138578,
Connections								138579, 138669,
								138670
Internal Connections	Cabling	Other	136	760	1	Feet	Yes	138575, 138576,
mental Confections	Cuomig	Julia	150	/50	1	1000	103	138577, 138578,
								138579, 138669,
								138670
	1	l	1	1	l			

			Manufacturer Other				Installation and Initial	
ervice Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
nternal Connections	Wireless Access Points	Belkin or equivalent			1	Each	Yes	138575, 138576,
	and Necessary Software							138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Other	136	760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Access Points	Belkin		760	1	Each		138575, 138576,
Connections	Whiteless Fiecess Folias	Denam .		700	-	Laci		138577, 138578,
Somections								138579, 138669,
	a.u.			m.co		_		138670
ternal Connections	Cabling	Other	140	760	1	Feet	Yes	138575, 138576,
								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Wireless Access Points	Black Box or			1	Each	Yes	138575, 138576,
	and Necessary Software	equivalent						138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Other	140	760	1	Feet		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
	Window Access Deline	DI. d. D		760	1	E. d.		
Basic Maintenance of Internal	Wireless Access Points	Black Box		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Cabling	Tripplite or		760	1	Feet	Yes	138575, 138576,
		equivalent						138577, 138578,
								138579, 138669,
								138670
nternal Connections	Wireless Access Points	Other	1		1	Each	Yes	138575, 138576,
	and Necessary Software							138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Cabling	Tripplite		760	1	Feet		138575, 138576,
Connections								138577, 138578,
Somections								138579, 138669,
								138670
N. I. M. I	W. I A D.	0.1	1	7.00		Б.1		
Basic Maintenance of Internal	Wireless Access Points	Other	1	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Caching and Necessary	Cisco Systems or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
							<u>                                       </u>	138670
nternal Connections	Wireless Access Points	Other	3		1	Each	Yes	138575, 138576,
	and Necessary Software							138577, 138578,
	and Licenses							138579, 138669,
	Ind Dicenses							138670
toolo Maintananaa of I-t1	Cooking	Ciona Sustanta			1	East		
Basic Maintenance of Internal	Caching	Cisco Systems			1	Each		138575, 138576,
onnections								138577, 138578,
connections			i .		1	I	1	138579, 138669,
connections								
onnections								138670

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
								138579, 138669, 138670
Internal Connections	Caching and Necessary	Other	219		1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
								138670
Internal Connections	Wireless Access Points	Cisco Systems or			1	Each	Yes	138575, 138576,
	and Necessary Software	equivalent						138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Caching	Other	219	760	1	Each		138575, 138576,
Connections	Cucining		2.7	700	•	Laci		138577, 138578,
Connections								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Access Points	Cisco Systems		760	1	Each		138575, 138576,
asic Maintenance of Internal onnections	Wileless Fleeess Folks	Cisco Bysteins		700	•	Laci		138577, 138578,
								138579, 138669,
								138670
Internal Connections	Caching and Necessary	Other	221		1	Each	Yes	138575, 138576,
ternal Connections	Software and Licenses	Other	221		1	Eacii	ies	138577, 138578,
	Software and Licenses							138579, 138669,
								138579, 138009,
fotomal Communities	Window Access Delate	Distant			1	E. d.	V	
Internal Connections	Wireless Access Points	D-Link or			1	Each	Yes	138575, 138576,
	and Necessary Software	equivalent						138577, 138578,
	and Licenses							138579, 138669,
				# 40				138670
Basic Maintenance of Internal	Caching	Other	221	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
D. I. M. I	W. I. A. D.	D. I. I		7.00		Б. 1		138670
Basic Maintenance of Internal	Wireless Access Points	D-Link		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Caching and Necessary	Dell or equivalent			1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
								138670
Internal Connections	Wireless Access Points	Dell or equivalent			1	Each	Yes	138575, 138576,
	and Necessary Software							138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Caching	Dell		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Access Points	Dell		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Caching and Necessary	Other	223		1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
								138670
Internal Connections	Wireless Access Points	Other	10		1	Each	Yes	138575, 138576,
	and Necessary Software							138577, 138578,
	and Licenses							138579, 138669,
	1	I.	1	1	i	I	1	

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
Basic Maintenance of Internal	Caching	Other	223	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Access Points	Other	10	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Caching and Necessary	Fortinet or			1	Each	Vac	138575, 138576,
mernai Connections	Software and Licenses				1	Lacii	ies	
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
nternal Connections	Wireless Access Points	Extreme Networks			1	Each	Yes	138575, 138576,
	and Necessary Software	or equivalent						138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Caching	Fortinet		760	1	Each		138575, 138576,
onnections								138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Access Points	Extreme Networks		760	1	Each		138575, 138576,
Connections	Wireless recess romes	Latiente retworks		700	1	Lucii		138577, 138578,
connections								
								138579, 138669,
								138670
nternal Connections	Caching and Necessary	Hewlett Packard or			1	Each	Yes	138575, 138576,
	Software and Licenses	equivalent						138577, 138578,
								138579, 138669,
								138670
Internal Connections	Wireless Access Points	Fortinet or			1	Each	Yes	138575, 138576,
	and Necessary Software	equivalent						138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Caching	Hewlett Packard		760	1	Each		138575, 138576,
Connections								138577, 138578,
connections								138579, 138669,
								138670
N 1 M 1	W. I. A. D.	D. d. d.		7.00		Б.1		
Basic Maintenance of Internal	Wireless Access Points	Fortinet		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Caching and Necessary	Other	9		1	Each	Yes	138575, 138576,
	Software and Licenses							138577, 138578,
								138579, 138669,
								138670
nternal Connections	Wireless Access Points	Hewlett Packard or			1	Each	Yes	138575, 138576,
	and Necessary Software	equivalent						138577, 138578,
	and Licenses							138579, 138669,
								138670
asic Maintenance of Internal	Caching	Other	9	760	1	Each		138575, 138576,
	Caching	Julei	'	/00	1	Lacii		
Connections								138577, 138578,
								138579, 138669,
				-				138670
Basic Maintenance of Internal	Wireless Access Points	Hewlett Packard		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Firewall Service,	Allied Telesis or			1	Each	Yes	138575, 138576,
•	1	equivalent				1		138577, 138578,

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
	Necessary Software and Licenses		-					138579, 138669, 138670
Internal Connections	Wireless Access Points	Juniper Networks or			1	Each	Yes	138575, 138576,
	and Necessary Software	equivalent						138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Allied Telesis		760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Access Points	Juniper Networks		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Firewall Service,	Other	229		1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
Internal Connections	Wireless Access Points	Other	22		1	Each	Yes	138575, 138576,
	and Necessary Software							138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Other	229	760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
Decis Maintenant of Internal	Wireless Access Points	Other	22	760		Each		138670
Basic Maintenance of Internal Connections	Wireless Access Points	Other	22	/60	1	Eacn		138575, 138576, 138577, 138578,
Connections								138579, 138669,
								138670
Internal Connections	Firewall Service,	Barracuda or			1	Each	Yes	138575, 138576,
	Components, and	equivalent						138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
Internal Connections	Wireless Access Points	Ruckus or			1	Each	Yes	138575, 138576,
	and Necessary Software	equivalent						138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Barracuda		760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Access Points	Ruckus		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
Internal Connection -	Financell Committee	Dlack Day			1	East	Vac	138670
Internal Connections	Firewall Service,	Black Box or			1	Each	Yes	138575, 138576, 138577, 138578,
	Components, and Necessary Software and	equivalent						138577, 138578, 138579, 138669,
	Licenses							138670
Internal Connections	Wireless Access Points	Other	36		1	Each	Yes	138575, 138576,
	and Necessary Software							138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Black Box		760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
				'				

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
Basic Maintenance of Internal	Wireless Access Points	Other	36	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Firewall Service,	Other	1		1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
Internal Connections	Wireless Access Points	SonicWALL or			1	Each	Yes	138575, 138576,
	and Necessary Software	equivalent						138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Other	1	760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
	•							138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Access Points	SonicWALL		760	1	Each		138575, 138576,
Connections  Internal Connections				,				138577, 138578,
								138579, 138669,
								138670
	Firewall Service,	Other	237		1	Each	Yes	138575, 138576,
Internal Connections	Components, and	Juici	231		1	Lacii	103	138577, 138578,
	Necessary Software and							138579, 138669,
								138670
Internal Connections	Licenses	Other	33		1	P. d.	V	
	Wireless Access Points	Other	33		1	Each	Yes	138575, 138576,
	and Necessary Software							138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal Connections	Firewall Service and	Other	237	760	1	Each		138575, 138576,
	Components							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,	Cisco Systems or			1	Each	Yes	138575, 138576,
	Components, and	equivalent						138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
Internal Connections	Wireless Access Points	Ubiquiti or			1	Each	Yes	138575, 138576,
	and Necessary Software	equivalent						138577, 138578,
	and Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Cisco Systems		760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Access Points	Ubiquiti		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Firewall Service,	Other	219		1	Each	Yes	138575, 138576,
	Components, and	34.0.					100	138577, 138578,
	_							
	Necessary Software and							138579, 138669, 138670
Internal Councilian	Licenses	Othor	45		1	Do-t	Vac	
Internal Connections	Wireless Access Points and Necessary Software	Other	45		1	Each	Yes	138575, 138576, 138577, 138578,

			Manufacturer Other				Installation and Initial	
Service Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
								138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Other	219	760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Access Points	Other	45	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Firewall Service,	Other	221		1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
Internal Connections	Wireless Controllers and	Other	57		1	Each	Yes	138575, 138576,
	Necessary Software and							138577, 138578,
	Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Other	221	760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Other	57	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Firewall Service,	CradlePoint or			1	Each	Yes	138575, 138576,
	Components, and	equivalent						138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
Internal Connections	Wireless Controllers and	Adtran or equivalent			1	Each	Yes	138575, 138576,
	Necessary Software and							138577, 138578,
	Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	CradlePoint		760	1	Each		138575, 138576,
Connections	Components			'**				138577, 138578,
	F							138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Adtran		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
Internal Connections	Firewall Service,	Other	249		1	Each	Yes	138575, 138576,
	Components, and				1			138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
Internal Connections	Wireless Controllers and	Alcatel-Lucent or			1	Each	Yes	138575, 138576,
	Necessary Software and	equivalent			*	Laten	103	138577, 138578,
	Licenses	Squi viiiciit						138579, 138669,
	2.00.000							138670
Basic Maintenance of Internal	Firewall Service and	Other	249	760	1	Each		138575, 138576,
Connections		Juici		700	1	Lacii		
Connections	Components							138577, 138578,
								138579, 138669,
Doda Malatanana (ST)	Window C	Alestel I.		7.00	1	E. J		138670
Basic Maintenance of Internal	Wireless Controllers	Alcatel-Lucent		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670

			Manufacturer Other				Installation and Initial	
ervice Type	Function	Manufacturer	Description	Entities	Quantity	Unit	Configuration?	Associated RFPs
nternal Connections	Firewall Service,	Other	251		1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
nternal Connections	Wireless Controllers and	Allied Telesis or			1	Each	Yes	138575, 138576,
	Necessary Software and	equivalent						138577, 138578,
	Licenses							138579, 138669,
								138670
Basic Maintenance of Internal	Firewall Service and	Other	251	760	1	Each		138575, 138576,
Connections	Components			'**				138577, 138578,
someonous.	Components							138579, 138669,
								138670
Nois Maintenance of Internal	Window Controller	Allia I Talasia		760	1	E. d.		
Basic Maintenance of Internal	Wireless Controllers	Allied Telesis		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Firewall Service,	D-Link or			1	Each	Yes	138575, 138576,
	Components, and	equivalent						138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
nternal Connections	Wireless Controllers and	Other	79	İ	1	Each	Yes	138575, 138576,
	Necessary Software and							138577, 138578,
	Licenses							138579, 138669,
	Licenses							138670
Decis Maintenance of Internal	Pinnell Coming and	Dilini		760	1	P. d.		
Basic Maintenance of Internal	Firewall Service and	D-Link		760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Other	79	760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Firewall Service,	Dell or equivalent			1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
nternal Connections	Wireless Controllers and	Belkin or equivalent			1	Each	Yes	138575, 138576,
merial Connections		Beikin of equivalent			,	Lacii	103	138577, 138578,
	Necessary Software and							
	Licenses							138579, 138669,
	·				<b>.</b>			138670
Basic Maintenance of Internal	Firewall Service and	Dell		760	1	Each		138575, 138576,
Connections	Components							138577, 138578,
								138579, 138669,
								138670
Basic Maintenance of Internal	Wireless Controllers	Belkin		760	1	Each		138575, 138576,
Connections								138577, 138578,
								138579, 138669,
								138670
nternal Connections	Firewall Service,	Other	223	İ	1	Each	Yes	138575, 138576,
	Components, and							138577, 138578,
	Necessary Software and							138579, 138669,
	Licenses							138670
		District Dist			1	E. d	V	
	Wireless Controllers and	Black Box or			1	Each	Yes	138575, 138576,
nternal Connections	. Managanari Cafferiana and	equivalent	I					138577, 138578,
nternal Connections	Necessary Software and	_						
nternal Connections	Licenses							138579, 138669,
nternal Connections		-						138579, 138669, 138670

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

**Description of Other Manufacturers** 

Id	on of Other Manufacturers  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  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 of equivalent  Middle Atlantic Products or equivalent
63	
64	Axiom or equivalent
65	Axiom or equivalent
	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
100	miniosa recursivo di 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 of equivalent  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  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  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
100	1.20 10.000mmumoutons of equitions

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
196 197	Vertiv or equivalent Hitachi Cable America or equivalent
197	Vertiv or equivalent
198	Hubbell or equivalent
200	Actnet AES Intellinet or equivalent
200	Hubbell or equivalent
202	Actnet AES Intellinet or equivalent
203	Addran or equivalent
204	Adtran or equivalent
205	Mimosa Networks or equivalent
206	Mimosa Networks or equivalent  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
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.

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.

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.

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.

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** 

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.

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.

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.

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**

<b>Billed Entity Number</b>	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**

Julie Tritt Schell Tritt Schell Consulting Services 1300 Bent Creek Blvd, Suite 102 Mechanicsburg, PA 17050 717-730-7133 jtschell@comcast.net

**Certified Timestamp** 

08/03/2022 09:03 PM EDT