

**FY16**

**PSAP GRANT PROGRAM  
APPLICATION**



VIRGINIA INFORMATION  
TECHNOLOGIES AGENCY  
Integrated Services Division



## FY16 PSAP GRANT PROGRAM APPLICATION

### HOW TO APPLY/DEADLINE

The grant application is available and accessible from VITA's Integrated Services Program's website

(<http://www.vita.virginia.gov/isp/default.aspx?id=8578>). Upon completion of the application, it is to be submitted to your Regional Coordinator. Any supporting documentation must also be submitted along with the application, including mandatory budgets for projects (if applicable).

After the close of the grant application cycle, a Grant ID and email receipt notification will be sent to the e-mail address listed on the application received.

All funding requests must be submitted using the grant application. Technical assistance is available from VITA's Public Safety Communications (PSC) staff throughout the grant process. The FY16 PSAP Grant Application Cycle starts July 1, 2014 and concludes on September 30, 2014 at 5:00 pm.

**ALL APPLICABLE SECTIONS MUST BE COMPLETED IN ITS ENTIRETY OR THE APPLICATION WILL BE CONSIDERED INCOMPLETE AND NOT ACCEPTED FOR CONSIDERATION.**



# FY16 PSAP GRANT APPLICATION

## PROJECT TITLE

NRV 911 Authority CPE Replacement

## GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: New River Valley Emergency Communications Regional Authority

CONTACT TITLE: Executive Director

CONTACT FIRST NAME: Donna

CONTACT LAST NAME: Brown

ADDRESS 1: 755 Roanoke Street, Suite 2A

ADDRESS 2: [Click here to enter text](#)

CITY: Christiansburg

ZIP CODE: 24073

CONTACT EMAIL: [browndr@nrv911.org](mailto:browndr@nrv911.org)

CONTACT PHONE NUMBER: 540-394-4467

CONTACT MOBILE NUMBER: 540-553-2675

CONTACT FAX NUMBER: [Click here to enter text](#)

REGIONAL COORDINATOR: Buster Brown

## HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

**Montgomery County**

**Blacksburg**

**Christiansburg**

**Virginia Tech**

## GRANT TYPE

Individual PSAP

Shared Services

Regional Initiative

Consolidation



Secondary Consolidation

**GRANT PROGRAM TYPE**

Continuity and Consolidation

Enhancement

**TIER**

Out of Service

Non-Vendor Supported\*

Technically Outdated\*

Strengthen

Not Applicable

**If technically outdated or non-vendor supported, application MUST include age and/or version of hardware/software.**

VERSION: Sentinel Patriot 3.3

# YEARS of HARDWARE/SOFTWARE: 5

**PRIORITY/PROJECT FOCUS** CPE

**If "Other" selected, please specify:** [Click here to enter text](#)

**FINANCIAL DATA**

Amount Requested: \$ 150,000

Total Project Cost: \$ 648,990

**STATEMENT OF NEED**



This statement should reference the relationship to the current funding priorities established by the Grant Committee and include evidence of any financial need, along with additional information on the impact on operational services; consequences of not receiving funding; inclusion of project in a long-term or a strategic plan; and local sustainability:

The County of Montgomery, the Towns of Blacksburg and Christiansburg, and Virginia Tech entered into a Memorandum of Understanding and created the New River Valley Emergency Communications Regional Authority to consolidate 911 services into one regional facility. A consolidation grant was awarded during the FY 2015 PSAP Grant Cycle and the members will be able to close out this grant between July-September 2015 to procure the regional CAD and Mapping System needed for the multi-jurisdictional dispatch operation. The CAD project plan includes a go-live date of July 2015 with a physical consolidation date of July 2016 due to the timeline of the current building renovation and build-out of technology and training.

Due to the multiple projects and technology required for a successful consolidated center, the Authority does not want to neglect an opportunity for much needed grant funds to assist with this multi-million dollar project and sustaining critical operations once we transition to one PSAP. Local funds and budgets have already been stretched to accommodate the capital expenditures and transition costs for the consolidation. Therefore, an individual PSAP grant request is being submitted to replace technically outdated 9-1-1 CPE equipment for the consolidated center in FY 2016. The Authority understands the consolidation grant project must be complete and closed out prior to future grant funding. The members also recognize the FY 2017 grant cycle will occur too late for the timeline of the CPE replacement project.

Due to the status of the building renovations and the need to push back the physical consolidation cut-over date to July 2016, the current Sentinel Patriot CPE will need to be replaced when we migrate to one regional PSAP. The successful transition plan should not include re-locating mission critical equipment with six years in production into the new facility. The current Patriot CPE version also runs on the XP Operating System platform which is no longer supported by Microsoft.

An individual PSAP grant for the replacement CPE is needed to ensure critical 911 call processing equipment is procured and installed. This will eliminate the high risk of re-locating outdated equipment with potential end of life for support/service.



Describe how the grant will be maintained and supported in the future, if applicable.

The Authority will utilize the grant funds to assist with the CPE replacement costs and ensure the proper contract and maintenance agreements are negotiated and entered into with the selected vendor.

Funding beyond the grant award will be budgeted and the responsibility of the NRV 911 Authority.

All required documents and reports will be prepared and submitted to the grantor as indicated in the PSAP Grant Guidelines.

## **COMPREHENSIVE PROJECT DESCRIPTION**

Provide a thorough, concise, and complete description of the project, including an outline of the goals and objectives, implementation strategy, and a work plan.

The Authority plans to replace the current aging CPE equipment for the consolidated PSAP instead of moving outdated equipment that may risk failure or support issues in the immediate future after the move.

The project will consist of the following phases and steps to ensure a sound investment and the most effective operation plan has been developed and implemented. The goal for the project is to implement a reliable 911 call processing solution to meet current and future needs for our citizens.

- Design – determine required equipment and solution to meet our current and future needs for effective 911 call processing while leveraging any existing licensing currently in use.
- Procurement – generate proper procurement documents and select the best vendor and solution to meet our needs.
- Implementation – work with the selected vendor to install and thoroughly test the procured solution to ensure compliance and acceptance.
- Training – coordinate and schedule effective and timely training with the vendor to ensure all 911 personnel are proficient with hardware and software solution.
- Acceptance / Completion – sign off on system procured and close out project.



**FOR CONTINUITY AND CONSOLIDATION OR ENHANCEMENT PROJECTS:**

PROJECT TIMELINE – Select each applicable phase of the project and indicate the estimated completion date. Sample activities for each phase can be found in the PSAP Grant Program Guidelines as well as on the addendum to this form.

PROJECT PHASE	ESTIMATED COMPLETION DATE
<input checked="" type="checkbox"/> <b>INITIATION</b> (Project approved by appropriate stakeholders)	<b>08 / 01 / 14</b>
<input type="checkbox"/> <b>DESIGN/PLANNING</b> (Project, system, or solution requirements are developed) <i>(In progress moving toward final design)</i>	<b>03 / 01 / 15</b>
<input type="checkbox"/> <b>ACQUISITION</b> (Selected system or solution is procured)	<b>01 / 05 / 16</b>
<input type="checkbox"/> <b>IMPLEMENTATION</b> (Selected system or solution is configured and installed)	<b>04 / 30 / 16</b>
<input type="checkbox"/> <b>TESTING/COMPLETION</b> (Selected system or solution is tested and put in production)	<b>07 / 01 / 16</b>

Identify the longevity or sustainability of the project.

The procured CPE equipment will provide the PSAP with many years of reliable and effective 911 call processing equipment before the next replacement cycle as recommended in the industry. The Authority will budget and plan to properly maintain and support the equipment and technology procured for the consolidated center. A capital improvement plan will be established for future hardware and software replacement cycles.



Describe how this project supports the Virginia Statewide Comprehensive 9-1-1 Plan.

The project supports the VA Statewide Comprehensive 911 Plan by assisting our PSAP effectively process all 911 calls from our citizens and visitors. The project will also prepare our region for next generation 911 operations by installing a CPE system specifically designed for enhancements and NG911 operations.

**SHARED SERVICES/REGIONAL INITIATIVE (if applicable)**

The relationship of the initiative to the participating PSAPs:

N/A

Intended collaborative efforts:

N/A



Resource sharing:

N/A

How does the initiative impacts the operational or strategic plans of the participating agencies:

N/A

**CONSOLIDATION (Primary or Secondary) - (if applicable)**

How would a consolidation take place and provide improved service:

N/A – The consolidation of the four PSAPs will go-live in July 2016 and this grant request is an individual PSAP grant submission for the joint primary PSAP to continue and maintain proper services for our community and citizens.

How should it be organized and staffed:

N/A



What services should it perform:

N/A

How should policies be made and changed:

N/A

How should it be funded:

N/A

What communication changes or improvements should be made in order to better support operations:

N/A



## BUDGET AND BUDGET NARRATIVE

List the planned expenditures to be made with grant funds. (**NOTE: In lieu of a line item breakdown, an itemized cost schedule or detailed vendor prepared quote may be submitted as an attachment. However, budgetary quotes received from a particular vendor(s) during the application process do not commit the PSAP to use that vendor(s) once the grant is awarded.**) Briefly explain the reason for each requested budget item and provide the basis for its cost. In addition, if contingency cost has been added, please identify the amount.

The original preliminary budget estimate is attached. This estimate was received as we were evaluating a re-locate vs replacement plan due to the timeline of the building renovation for our facility and the age of the equipment. The estimate includes necessary equipment and software for a 12 position consolidated dispatch center. Additional discounts may be determined upon continued design and solution discussions.

## EVALUATION

How will the project be evaluated and measured for achievement and success:

The project success will be evaluated by ensuring the selected vendor meets all system design and functionality requirements outlined in the scope of work. Final system acceptance and completion will be contingent upon thorough system testing and performance measures met for 911 call processing and routing capabilities. The Authority will document all steps taken to evaluate the system for current and future needs.



## FINANCIAL AND PROGRAMMATIC REPORT

### PROJECT PHASES

### SAMPLE ACTIVITIES

#### PHASE

#### SAMPLE ACTIVITIES

##### **INITIATION**

(Project approved by appropriate stakeholders)

- Project concept is documented
- Local Board or governing authority approval or endorsement is received
- PSAP grant application is filed
- Local budgets are obtained
- Appropriated grant funds are approved
- Budgetary estimates are obtained

##### **DESIGN/PLANNING**

(Project, system, or solution requirements are developed)

- Requirements are documented
- Components to be purchased are identified
- General design is documented

##### **ACQUISITION**

(Selected system or solution is procured)

- RFP (or other bid related processes) are drafted
- Proposals are evaluated
- Contract is signed
- Purchase orders are issued
- Quotes are obtained/grant funds draw down

##### **IMPLEMENTATION**

(Selected system or solution is configured and installed)

- Purchased components are delivered and installed
- Training is performed

##### **TESTING/COMPLETION**

(Selected system or solution is tested and put in production)

- Performance of system/solution is validated
- System/solution goes "live"

**\* For Preliminary Budgetary Estimate Purposes Only**

Equipment pricing shown is based upon direct sale accompanied by new Centurion Maintenance contract on same.

Part Number	Description	Extended Price
-	-	\$ -
-	<b>Cassidian Communications 4X System - Side A - New PSAP</b>	\$ -
873099-00104.2	SENT 4 R2 LIC AND MEDIA	\$ 1,830.35
873099-03002U	R4 CAD INTF LIC UPGD	\$ -
04000-01584	BLKBX TL158A-R4 DATACAST	\$ 429.53
04000-01010	CBL DB25M/DB25M 10FT	\$ 19.52
-	<b>VM Server Bundles</b>	\$ -
-	<b>VM Medium/Large Server Bundle</b>	\$ -
853031-MLSVRGD-1	V-ML SVR BNDL GEO	\$ 14,910.10
06500-00501	2-POST 5U RACKMNT KIT	\$ 318.48
04000-00394	SVR WIN2008 CAL 5-PK	\$ 212.32
04000-68009	V-SVR BASIC SPT 5YR	\$ 566.67
-	<b>Cassidian Communications 4X Licenses</b>	\$ -
-	<i>Note: (9) Contracts current through 9/2015</i>	\$ -
873099-00314M	SENT 4 PER SEAT MIG LIC	\$ 16,473.15
809800-35130	R4 SW SPT TRNSFR	\$ -
809800-35094	R4 SW SPT 5YR	\$ 35,357.13
873099-00360U	SENT 4 SEAT UPGD LIC	\$ 21,354.20
809800-35094	R4 SW SPT 5YR	\$ 19,642.85
-	<b>Workstation Equipment - z220</b>	\$ -
61000-409603SFF	WKST HP Z220 SFF	\$ 23,252.88
65000-47001	TWR STAND SFF Z220	\$ 615.00
63010-222801	MNTR TS BLK WIDE 22IN	\$ 14,115.72
64007-50017	KEYPAD 24KEY 25FT CBL	\$ 1,698.60
853004-00401	SAM EXT SPKR KIT	\$ 2,460.00
853030-00302	R4 SAM HDWR KIT	\$ 24,190.08
809800-35109	R4 IWS CFG	\$ 2,857.20
809800-35108	R4 IWS STG FEE	\$ 4,285.68
870890-07501	CPR/SYSPREP IMAGING	\$ -
-	-	\$ -
-	<b>Cassidian Communications 4X IRR Module</b>	\$ -
-	<i>Note: (9) Contracts current through 9/2015</i>	\$ -
873099-00502U	R4 IRR LIC/DOC/MED UPGD	\$ -
809800-35114	R4 IRR SW SPT 5YR	\$ 6,396.39
873099-00502	R4 IRR LIC/DOC/MED	\$ 6,070.70
809800-35114	R4 IRR SW SPT 5YR	\$ 3,553.55
-	<b>Cassidian Communications 4X Activity View</b>	\$ -
873099-00702	R4 ACTIV VIEW SYS LIC	\$ 8,541.68
873099-00802	R4 ACT VIEW LIC PER ST	\$ 10,982.16
809800-35124	R4 ACT VIEW SW SPT 5YR	\$ 5,000.00
<b>OPTIONAL</b>	<b>Cassidian Communications 4X Phones/Voice Mail Option</b>	\$ -
873010-00202	IP PHN LIC ENH	
873010-00102	IP PHN LIC STD	
873010-00402	R4 VM LIC PER MAILBOX	
04000-06757	AASTRA 6757I SIP PHN	
04000-01675	AASTRA 675I 20K EXP MOD	
809800-10201	IP PHN CFG FEE PER PHN	
04000-29636	SWITCH 2960 POE+CBL 24-PO	
04000-29622	SPT 24P 2960 POE 5YR	
-	<b>Cisco Switch/Router Equipment</b>	\$ -
04000-29616	SWITCH 2960 + CBL 24-PORT	\$ 2,342.86
04000-29615	SPT 24P 2960 5YR NBD	\$ 1,202.38
-	<b>Peripherals &amp; Gateways</b>	\$ -
2213937-1-SR1	FXO GATEWAY 8-PORT	\$ 4,828.50
2213939-1-SR1	FXS GATEWAY 8-PORT	\$ 3,219.00
04000-00180	SW SPT ANALOG GATEWAY 5YR	\$ 1,785.70
03800-03030	FIREWALL- MODEM 60CM	\$ 705.30
03800-03035	WARR FIREWALL 60CM 5YR	\$ 1,080.95

Prices do not include charges for taxes, duties, tariffs, telecommunication services, or professional services such as Centurion Maintenance or Managed Network Services.

809800-00201	VPN CFG SVCS	\$	238.10
04000-01900	RACK MNT KIT 1921 ROUTER	\$	1,143.37
	<i>Note: This Cisco 1921 router is quoted to provide dual active firewall functionality between the Host sites. This router is not intended for terminating any type of WAN connectivity to other sites.</i>	\$	-
04000-01920	ROUTER 1900 DATA LIC	\$	532.03
04000-01919	SPT 1921 ROUTER 5YR NBD	\$	494.05
809800-00199	ROUTER CFG FEE	\$	633.33
	<b>Peripherals &amp; Equipment Racks</b>	\$	-
06500-55053	EQUIPMENT RACK 19IN	\$	335.57
63002-172805	MNTR NEC 17IN	\$	267.23
64021-10025	KYBD/MOUSE BNDL	\$	53.69
04000-004B4	KVM 4-PORT SWITCH	\$	539.34
04000-00607	CBL KVM USB CONSOLE	\$	168.40
04000-60611	CBL KVM USB 10FT	\$	405.16
04000-RMM19	BRKT 19IN RACK MTG/ARBTR	\$	39.05
	<b>Cassidian Communications 4X CommandPOST System</b>	\$	-
	<i>Note: CommandPost sold on SO#129466</i>	\$	-
873099-00314M	SENT 4 PER SEAT MIG LIC	\$	5,491.05
	<i>Note: Contracts current through 10/3/2015</i>	\$	-
809800-35130	R4 SW SPT TRNSFR	\$	-
809800-35094	R4 SW SPT 5YR	\$	11,785.71
	<b>CommandPOST Hardware</b>	\$	-
61050-J409611-W7	SENT CPOST 8570P W7	\$	5,095.71
04000-00486	ADV DOCK STATION 8570P	\$	1,475.28
04401-00097	BATTERY 9-CELL 8570P 100W	\$	1,035.99
64021-10025	KYBD/MOUSE BNDL	\$	161.07
63010-222801	MNTR TS BLK WIDE 22IN	\$	3,528.93
853004-00401	SAM EXT SPKR KIT	\$	615.00
853004-00301	CPOST SAM HDWR KIT	\$	8,353.77
809800-35109	R4 IWS CFG	\$	714.30
809800-35108	R4 IWS STG FEE	\$	1,071.42
	<b>Cassidian Communications 4X IRR Module</b>	\$	-
873099-00502	R4 IRR LIC/DOC/MED	\$	3,642.42
809800-35114	R4 IRR SW SPT 5YR	\$	2,132.13
	<b>Cassidian Communications 4X Activity View</b>	\$	-
873099-00802	R4 ACT VIEW LIC PER ST	\$	2,745.54
	<b>Aurora - MIS System Licensing &amp; Support</b>	\$	-
	<i>Note: Contracts current through 10/3/2015</i>	\$	-
873391-00201U	AURORA COLLECT LIC UPGD	\$	-
809800-03305	AURORA STD SPT 5YR	\$	1,714.29
	<b>Aurora 2.2 - Hosted MIS System</b>	\$	-
873399-00101.3U	AURORA 1.3 L/D/M UPGD	\$	-
873399-00102.0U	AURORA 2.0 DOC/MED UPGD	\$	-
873399-00102.1U	AURORA 2.1 DOC/MED UPGD	\$	-
873399-00102.2U	AURORA 2.2 DOC/MED UPGD	\$	-
873391-01002	AURORA HOST LIC	\$	18,303.57
873391-02001	AURORA SITE LIC	\$	1,830.35
809800-03365	AURORA ENT/HOST SPT 5YR	\$	1,071.43
873391-00201	AURORA COLLECTION LIC	\$	4,880.95
809800-03305	AURORA STD SPT 5YR	\$	2,857.15
873391-00201U	AURORA COLLECT LIC UPGD	\$	-
809800-03305	AURORA STD SPT 5YR	\$	5,142.87
	<i>Note: (9) Contracts current through 9/2015</i>	\$	-
873391-00301U	AURORA USER LIC UPGD	\$	-
04000-00339	SQL 2008R2 CAL RUN ENT	\$	429.52
	<b>Aurora Modules</b>	\$	-
873391-00901U	AURORA ADV RPT PKG LIC UPG	\$	-
	<b>Aurora Server Equipment</b>	\$	-

Prices do not include charges for taxes, duties, tariffs, telecommunication services, or professional services such as Centurion Maintenance or Managed Network Services.

-	<i>Note: Customer to reuse existing ML350/G6 server. SO#104970 S/N MXQ016051S. Image for 2008. Server to be configured for 500K Annual Call Volume. Original server configuration included 1TB NAS and DVD Drive.</i>	\$	-
64000-20056	HARD DRIVE 146GB SAS 15K	\$	2,666.25
-	<i>Note: Original server configured with (3) 146GB HD. (5) Adtl HD required for RAID 10</i>	\$	-
64000-40085	2GB RAM ML/DL G6 SVR	\$	849.30
-	<i>Note: Server comes standard w/ (3x2GB) RAM Sticks. (6x2GB) required for 18GB RAM</i>	\$	-
809800-01416	MIS SVR CFG	\$	595.24
870890-07601	CPR/SYSPREP SVR	\$	-
-	<b>Monitoring &amp; Response Activation Fee</b>	\$	-
-	<i>Note: M&amp;R Activation Fees will apply if M&amp;R services are disabled prior to receipt of a PO for the M&amp;R support renewal.</i>	\$	-
-	<b>Monitoring &amp; Response License Fees</b>	\$	-
-	<i>Note: Customer to reuse (2) Server License; (20) Wkst/IP Licenses</i>	\$	-
-	<i>Note: Includes (1) DDS Servers, (1) Aurora Server</i>	\$	-
-	<i>Note: Includes (15) Workstations, (1) Management Console</i>	\$	-
871499-01210	M&R 3.0 IP DEVICES LIC	\$	676.16
-	<i>Note: Includes (1) MDS Servers, (5) Gateways, (1) Firewall, (1) NAS Device, (3) Cisco Switches, (1) Virtual Machines</i>	\$	-
-	<b>Monitoring &amp; Response Support Fees</b>	\$	-
-	<i>Note: Current contracts through 06/2015</i>	\$	-
809800-14165	M&R 3.0 SVR SRVC 5YR	\$	13,309.52
809800-16165	M&R 3.0 WKST SRVC 5YR	\$	29,485.76
809800-16170	M&R 3.0 IP DEV SRVC 5YR	\$	14,742.88
-	<b>Managed Services - Implementation Fee</b>	\$	-
809800-14152	MGD SERV DEV & IMPL	\$	1,517.93
-	<b>Anti-Virus Solution</b>	\$	-
809800-14175	VIRUS PROTECT 3.0 SVC 5YR	\$	8,014.31
-	<b>Patch Management Solution</b>	\$	-
809800-16150	PATCH MGMT 3.1 SVC 5YR	\$	21,169.08
-	<b>Cassidian Communications 4X Equipment - Recommended Spares</b>	\$	-
2213937-1-SR1	FXO GATEWAY 8-PORT	\$	1,609.50
2213939-1-SR1	FXS GATEWAY 8-PORT	\$	1,609.50
04000-00180	SW SPT ANALOG GATEWAY 5YR	\$	714.28
04000-29616	SWITCH 2960 + CBL 24-PORT	\$	1,171.43
04000-29615	SPT 24P 2960 5YR NBD	\$	601.19
04000-29636	SWITCH 2960 POE+CBL 24-PO	\$	2,200.10
04000-29622	SPT 24P 2960 POE 5YR	\$	883.33
63010-222801	MNTR TS BLK WIDE 22IN	\$	1,176.31
64007-50017	KEYPAD 24KEY 25FT CBL	\$	141.55
853004-00401	SAM EXT SPKR KIT	\$	205.00
853030-00302	R4 SAM HDWR KIT	\$	2,015.84
-	<b>Server Extended Warranty</b>	\$	-
04000-01530	WARR 24X7 ML350G5/6/P8 5Y	\$	1,597.62
-	<i>Note: Upgrade &amp; uplift from 3 yrs warranty 9x5 NBD to 5 yrs, 24x7, 4 hour response time.</i>	\$	-
-	<b>Workstation Extended Warranty</b>	\$	-
04000-01586	WARR 24X7 Z220 5YR	\$	8,071.50
-	<i>Note: Warranty upgrade from 3 yrs warranty 9x5 NBD to 5 yrs 24x7, 4 hour response.</i>	\$	-
-	<b>Field Engineering Services</b>	\$	-
809800-17101	FIELD ENG-PRIMARY	\$	33,334.00
-	<b>Training</b>	\$	-
-	<i>Note: Training is provided at the customer site using the customer</i>	\$	-
000001-06701	VSENT 4.X AGENT TRNG	\$	8,571.42

Prices do not include charges for taxes, duties, tariffs, telecommunication services, or professional services such as Centurion Maintenance or Managed Network Services.

-	<i>Note: VESTA/Sentinel 4/X Agent bundle includes (1) 1/2 day class of Agent training for up to 8 students. Includes trainer's daily training expenses and travel. VESTA/Sentinel 4.X Agent training does not include training on the SIP phones. SIP phone training is a separate class and can be quoted upon request.</i>	\$	-
000001-06702	VSENT 4.X AGENT TTT TRNG	\$	2,380.95
-	<i>Note: VESTA/Sentinel 4/X TTT bundle includes (1) 1 day class of TTT training for up to 8 students. Includes trainer's daily training expenses and travel.</i>	\$	-
000001-06704	VSENT 4.X ADMIN TRNG	\$	4,761.90
-	<i>Note: VESTA/Sentinel 4/X Admin bundle includes (1) 1 1/2 day class of Admin training for up to 8 students. Includes trainer's daily training expenses and travel.</i>	\$	-
000002-24404	AURORA ADMIN TRNG	\$	2,380.95
-	<i>Note: Aurora Admin bundle includes (1) 1 day class of Admin training for up to 8 students. Includes trainer's daily training expenses and travel.</i>	\$	-
-	<b>Cutover Coaching</b>	\$	-
000001-08538	CUTOVER COACHING	\$	2,380.95
-	<i>Note: Cutover Coaching includes (1) 8 hour session within a 24 hour day. Includes trainer's daily training expenses and travel.</i>	\$	-
-		\$	-
-		\$	-
-	<b>Cassidian Communications 4X System - Side B - IT Dept.</b>	\$	-
873099-00104.2	SENT 4 R2 LIC AND MEDIA	\$	1,830.35
873099-03002U	R4 CAD INTF LIC UPGD	\$	-
04000-01584	BLKBX TL158A-R4 DATACAST	\$	429.53
04000-01010	CBL DB25M/DB25M 10FT	\$	19.52
-		\$	-
-	<b>VM Server Bundles</b>	\$	-
-	<b>VM Medium/Large Server Bundle</b>	\$	-
853031-MLSVRGD-1	V-ML SVR BNDL GEO	\$	14,910.10
06500-00501	2-POST 5U RACKMNT KIT	\$	318.48
04000-68009	V-SVR BASIC SPT 5YR	\$	566.67
-		\$	-
-	<b>Cisco Switch/Router Equipment</b>	\$	-
04000-29616	SWITCH 2960 + CBL 24-PORT	\$	2,342.86
04000-29615	SPT 24P 2960 5YR NBD	\$	1,202.38
-		\$	-
-	<b>Peripherals &amp; Gateways</b>	\$	-
2213937-1-SR1	FXO GATEWAY 8-PORT	\$	3,219.00
2213939-1-SR1	FXS GATEWAY 8-PORT	\$	3,219.00
04000-00180	SW SPT ANALOG GATEWAY 5YR	\$	1,428.56
03800-03030	FIREWALL- MODEM 60CM	\$	705.30
03800-03035	WARR FIREWALL 60CM 5YR	\$	1,080.95
809800-00201	VPN CFG SVCS	\$	238.10
04000-01900	RACK MNT KIT 1921 ROUTER	\$	1,143.37
-	<i>Note: This Cisco 1921 router is quoted to provide dual active firewall functionality between the Host sites. This router is not intended for terminating any type of WAN connectivity to other sites.</i>	\$	-
04000-01920	ROUTER 1900 DATA LIC	\$	532.03
04000-01919	SPT 1921 ROUTER 5YR NBD	\$	494.05
04000-01925	SPT 1921 ROUTER 5YR 24X7	\$	923.81
809800-00199	ROUTER CFG FEE	\$	633.33
-		\$	-
-	<b>Peripherals &amp; Equipment Racks</b>	\$	-
06500-55053	EQUIPMENT RACK 19IN	\$	335.57
63002-172805	MNTR NEC 17IN	\$	267.23
64021-10025	KYBD/MOUSE BNDL	\$	53.69
04000-004B4	KVM 4-PORT SWITCH	\$	539.34
04000-00607	CBL KVM USB CONSOLE	\$	168.40
04000-60611	CBL KVM USB 10FT	\$	405.16
04000-RMM19	BRKT 19IN RACK MTG/ARBTR	\$	39.05
-		\$	-
-	<b>Aurora 2.2 - Hosted MIS System</b>	\$	-
-	<i>Note: Site has no Positions</i>	\$	-
-		\$	-
-	<b>Monitoring &amp; Response Activation Fee</b>	\$	-

Prices do not include charges for taxes, duties, tariffs, telecommunication services, or professional services such as Centurion Maintenance or Managed Network Services.

-	<i>Note: M&amp;R Activation Fees will apply if M&amp;R services are disabled prior to receipt of a PO for the M&amp;R support renewal.</i>	\$	-
-	<b>Monitoring &amp; Response License Fees</b>	\$	-
-	<i>Note: Customer to reuse (1) Server License; (9) Wkst/IP Licenses</i>	\$	-
-	<i>Note: Includes (1) DDS Servers</i>	\$	-
-	<i>Note: Includes (1) Management Console</i>	\$	-
871499-01210	M&R 3.0 IP DEVICES LIC	\$	84.52
-	<i>Note: Includes (1) MDS Servers, (4) Gateways, (1) Firewall, (2) Cisco Switches, (1) Virtual Machines</i>	\$	-
-	<b>Monitoring &amp; Response Support Fees</b>	\$	-
-	Current contracts through 06/2015	\$	-
809800-14165	M&R 3.0 SVR SRVC 5YR	\$	6,654.76
809800-16165	M&R 3.0 WKST SRVC 5YR	\$	1,842.86
809800-16170	M&R 3.0 IP DEV SRVC 5YR	\$	1,842.86
-	<b>Managed Services - Implementation Fee</b>	\$	-
809800-14152	MGD SERV DEV & IMPL	\$	89.29
-	<b>Anti-Virus Solution</b>	\$	-
809800-14175	VIRUS PROTECT 3.0 SVC 5YR	\$	471.43
-	<b>Patch Management Solution</b>	\$	-
809800-16150	PATCH MGMT 3.1 SVC 5YR	\$	1,245.24
-	<b>Server Extended Warranty</b>	\$	-
04000-01530	WARR 24X7 ML350G5/6/P8 5Y	\$	1,597.62
-	<i>Note: Upgrade &amp; uplift from 3 yrs warranty 9x5 NBD to 5 yrs, 24x7, 4 hour response time.</i>	\$	-
-	<b>Workstation Extended Warranty</b>	\$	-
04000-01586	WARR 24X7 Z220 5YR	\$	538.10
-	<i>Note: Warranty upgrade from 3 yrs warranty 9x5 NBD to 5 yrs 24x7, 4 hour response.</i>	\$	-
-	<b>Field Engineering Services</b>	\$	-
809800-17101	FIELD ENG-PRIMARY	\$	4,762.00
-	<b>Netclock for new PSAP</b>	\$	-
9483 <sup>1</sup>	NetClock/GPS Time Server-master clock	\$	4,558.50
-Opt 16	Multi-port Network Card - 3 x 10/100/1000 BaseT	\$	1,555.81
8225	GPS Antenna Outdoor	\$	254.12
8226	GPS Antenna Surge Protector	\$	259.30
CAL7050	GPS 50 ft. Coax Antenna Cable Terminated With Type N Connectors	\$	186.70
CAL7150	GPS 150 ft. Coax Antenna Cable Terminated With Type N Connectors	\$	394.14
-		\$	-
TBA	KVM Extenders for pc's	\$	25,624.90
TBA	misc. materials; wire, blocks, equipment	\$	3,526.79
-		\$	-
-		\$	-
-		\$	-
	Parts .....	\$	590,594.92
	Miscellaneous .....	\$	-
	Shipping .....	\$	2,500.00
	<b>Parts Subtotal.....</b>	<b>\$</b>	<b>593,094.92</b>
	Labor .....	\$	55,895.54
	Vendor Support (See Vsupport Tab for Details).....	\$	-
	<b>TOTAL PRICE .....</b>	<b>\$</b>	<b>648,990.46</b>

All Products listed on this Quote are governed by the Standard Terms and Conditions for Communications Services and the Equipment Sales Product Annex, both posted to <http://about.centurylink.com/legal/rate>