

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

CPE Replacement

GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: **Martinsville-Henry County 911**

CONTACT TITLE: **Director**

CONTACT FIRST NAME: **JR**

CONTACT LAST NAME: **Powell**

ADDRESS 1: **P.O. Box 7**

ADDRESS 2: **3300 Kings Mountain Rd**

CITY: **Collinsville**

ZIP CODE: **24078**

CONTACT EMAIL: **vpowell@co.henry.va.us**

CONTACT PHONE NUMBER: **276-632-7677**

CONTACT MOBILE NUMBER: **276-732-9543**

CONTACT FAX NUMBER: **276-638-1394**

REGIONAL COORDINATOR: **Buster Brown**

HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

Martinsville – Henry County 911

_____	_____
_____	_____
_____	_____
_____	_____

GRANT TYPE

- | | |
|---|--|
| <input checked="" type="checkbox"/> Individual PSAP | <input type="checkbox"/> Shared Services |
| <input type="checkbox"/> Regional Initiative | <input type="checkbox"/> Consolidation |
| <input type="checkbox"/> Secondary Consolidation | <input type="checkbox"/> |



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 Technically Outdated* Strengthen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If technically outdated or non-vendor supported, application MUST include age and/or version of hardware/software.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: [Cassidian Sentinel Patriot 3.3](#)
YEARS of HARDWARE/SOFTWARE: [6](#)

PRIORITY/PROJECT FOCUS CPE

If “Other” selected, please specify: 1T

FINANCIAL DATA

Amount Requested: \$ [150,000.00](#)
Total Project Cost: \$ [319,398.40](#)



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 Martinsville-Henry County 911 Center serving three law enforcement agencies, nine fire departments, and six EMS agencies are in need of upgrading our existing CPE system that is technically outdated and has reached its end of service life. Our existing CPE system is the Airbus DS Communications Sentinel Patriot 3.3 and has been in service since December 2010. The Patriots existing XP Operating system is no longer supported by Microsoft and our existing Cassidian support contract expires December 22, 2015. If awarded this grant through the FY'16 grant process, the CPE system will have been in operation six years, which is stretching the life of 911 workstation computers and servers in operation 24/7/365. Without immediate replacement of this mission critical CPE system, we are risking system failure which would leave us with the inability to accept emergency wireless and wire line 911 calls from the citizens and visitors of the Martinsville and Henry County.

It is no secret the City of Martinsville has routinely ranked amongst the highest in unemployment rates across the Commonwealth over the past several years, with Henry County not far behind in those same rankings. The local economy has struggled to the point of the City of Martinsville is currently researching and considering a conversion to a town status. That being said, there are no local funds available to fund this entire CPE project on our own. If awarded this grant, the localities will be left with the remaining \$169,398.40 to complete the project. This project has been in our local Capital Improvement Plan (CIP) for the past two years with no local funding available to fund the project in its' entirety. The Henry County Board of Supervisors as well as Martinsville City Council has approved this grant request and understands it is their responsibilities to fund the remainder of this CPE project.



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

All equipment purchased through this grant will be supported and maintained by maintenance service contracts funded by Martinsville-Henry County. All necessary funds for support, maintenance, etc. beyond what is allowed through this grant, will be the responsibility of the locality.



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 Martinsville-Henry County 911 Center has a large current investment in the existing Airbus DS Communications (Cassidian) Patriot CPE system. During the deployment of that system in 2010, Martinsville and Henry County engineered and deployed the CPE system in a complete geo-diverse and redundant configuration. As a geo-diverse CPE system, half of our existing CPE system (side A) is physically located at the primary PSAP. While the other half of our CPE system (side B) is located inside a dedicated dispatch area at the Piedmont Regional Criminal Justice Training Academy (PRCJTA) in Martinsville. By doing so, we eliminate the possibility of a complete CPE failure that could occur if our entire CPE system had been installed at the primary PSAP. With the redundant design of the Patriot system, we have no one single point of failure in the entire system. To facilitate a geo-diverse CPE system, Martinsville-Henry County designed and constructed a 911 dispatch area with two consoles, and an equipment room with dedicated generator backup and HVAC specifically for that equipment room at the PRCJTA. Side A and Side B of our geo-diverse CPE system are connected through two dedicated fibers fully funded annually by the PSAP. This facility not only provides live CPE operation for our 911 Center, it also serves as a backup facility for our Center where we could evacuate to if needed and continue full 911 operations; as well as a training facility for multiple agencies within our region for training newly hired emergency dispatchers.

This grant request is to replace only the existing CPE equipment that is technically outdated, reached its end of service life, and due to equipment age is in danger of being out of service. This grant will fund only the CPE hardware and software and nothing related to backup operations or the facility mentioned above. The grant funds would provide less than 50% of the funds needed to replace the proposed CPE system. The remaining 50+% of the funding will be the responsibility of Martinsville and Henry County.

If awarded this grant we will replace our existing Airbus DS Communications Patriot CPE system with the Virtualized Airbus DS Communications VESTA 911 CPE system. The VESTA 911 CPE system has an extensive roadmap that includes future releases with support for i3, ESInet, and other NG-911 technologies. Migrating to the new VESTA platform continues to allow Martinsville and Henry County to leverage existing investment and knowledge of platform while fitting into the long term NG-911 strategic plan already in place.



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 type="checkbox"/> INITIATION (Project approved by appropriate stakeholders)	08 / 12 / 14
<input type="checkbox"/> DESIGN/PLANNING (Project, system, or solution requirements are developed)	2 / 28 / 15
<input type="checkbox"/> ACQUISITION (Selected system or solution is procured)	07 / 01 / 15
<input type="checkbox"/> IMPLEMENTATION (Selected system or solution is configured and installed)	11 / 30 / 15
<input type="checkbox"/> TESTING/COMPLETION (Selected system or solution is tested and put in production)	12 / 31 / 15

Identify the longevity or sustainability of the project.

This project would extend the use of new computer hardware and software for a minimum of five years. Additionally the ability to include NG-911 feature functionality into the VESTA system will further strengthen the sustainability of the project moving forward. The Martinsville-Henry County 911 Center understands it is our responsibility to sustain the project following go-live of the proposed system, and all expenses not covered by grant funds.



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

This project supports the VA Statewide Comprehensive 911 Plan by assisting our PSAP in being prepared for next generation 911 operations by installing a CPE system specifically designed with NG911 operations in mind.

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

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.

Please see attached budgetary quote from CenturyLink.

This quote does not include any contingency costs.

EVALUATION

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

The system success will be evaluated by the vendor meeting our statement of work and the system handling and routing emergency calls correctly. This includes transferring/accepting calls outside our jurisdictional boundaries. This also includes proper handling of Text to 911 calls for service.



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"



CenturyLink

Customer Legal Name: E911 Martinsville Henry County
 Customer Billing Name: E911 Martinsville Henry County
 3000 Kings Mtn Road
 COLLINSVILLE
 VA , 24078-0007
 Quote-Build #: 14-023965--

Valid Until August 23, 2014

Description of Work to be Performed:

CenturyLink - Cassidian Vesta/Sentinel 4.X E911 Solution
-
BUDGETARY PRICING - Equipment refresh
-
-
-
-

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

Part Number	Description	Quantity	Unit Price	Extended Price
-	-	-	\$ -	\$ -
-	Cassidian Communications VESTA 4 System - Side A	-	\$ -	\$ -
873099-00104.2	SENT 4 R2 LIC AND MEDIA	1	\$ 1,921.88	\$ 1,921.88
873099-03002U	R4 CAD INTF LIC UPGD	1	\$ -	\$ -
-	VM Server Bundles	-	\$ -	\$ -
-	VM Medium Server Bundle	-	\$ -	\$ -
-	Note: The Medium Server Bundle is for PSAP's up to 40 positions with	-	\$ -	\$ -
853031-DLSVRGD-1	V-DL SVR BNDL GEO	1	\$ 16,943.25	\$ 16,943.25
06500-00201	2-POST RELAY RACK MNT KIT	1	\$ 219.10	\$ 219.10
04000-68005	V-SVR BASIC SPT 1YR	1	\$ 118.75	\$ 118.75
-	Cassidian Communications VESTA 4 Licenses	-	\$ -	\$ -
-	VESTA Prime - Standard Operations	-	\$ -	\$ -
PS-OPR-VSML-M	VPRIME MLTP SEAT LIC MIG	7	\$ -	\$ -
PS-OAC-VSSL-M	VESTA COMP REG	7	\$ 88.41	\$ 618.87
SS-OPR-VSSL-5Y	SPT VPRIME 5YR	7	\$ 4,812.50	\$ 33,687.50
809800-35130	R4 SW SPT TRNSFR	7	\$ -	\$ -
-	Geo Diverse/Multi Site Add On License	-	\$ -	\$ -
PA-MGD-VSSL-M	GEO-DIV/MLTI-SITE LIC MIG	7	\$ -	\$ -
SA-MGD-VSSL-5Y	SPT GEO/MULTI SITE 5YR	7	\$ 656.25	\$ 4,593.75
809800-35130	R4 SW SPT TRNSFR	7	\$ -	\$ -
-	VESTA Workstation Equipment	-	\$ -	\$ -
61000-409605SFF	WKST HP Z230 SFF	7	\$ 1,574.66	\$ 11,022.62
65000-47001	TWR STAND SFF Z220/Z230	7	\$ 53.81	\$ 376.67
64000-40101	4GB RAM Z230	7	\$ 142.23	\$ 995.61
63000-221691	MNTR FP WIDE SCR LCD 22IN	7	\$ 421.54	\$ 2,950.78
853004-00401	SAM EXT SPKR KIT	7	\$ 215.25	\$ 1,506.75
65000-00124	CBL PATCH 15FT	7	\$ 17.94	\$ 125.58
853030-00302	R4 SAM HDWR KIT	7	\$ 2,116.63	\$ 14,816.41
833401-00101G-15	CBL SAM JKBX 15FT	14	\$ 46.13	\$ 645.82
809800-35109	R4 IWS CFG	7	\$ 250.00	\$ 1,750.00
809800-35108	R4 IWS STG FEE	7	\$ 375.00	\$ 2,625.00
870890-07501	CPR/SYSPREP IMAGING	1	\$ -	\$ -
-	Cassidian Communications VESTA 4 IRR Module	-	\$ -	\$ -
873099-00502U	R4 IRR LIC UPGD	7	\$ -	\$ -
809800-35114	R4 IRR SW SPT 5YR	7	\$ 746.25	\$ 5,223.75
809800-35130	R4 SW SPT TRNSFR	7	\$ -	\$ -
-	Cassidian Communications VESTA 4 Activity View	-	\$ -	\$ -
873099-00702U	R4 ACTIV VIEW SYS LIC UPG	1	\$ -	\$ -
873099-00802U	R4 ACT VIEW LIC PER ST UP	7	\$ -	\$ -
809800-35124	R4 ACT VIEW SW SPT 5YR	1	\$ 2,625.00	\$ 2,625.00
809800-35130	R4 SW SPT TRNSFR	1	\$ -	\$ -
61000-409605SFF	WKST HP Z230 SFF	1	\$ 1,574.66	\$ 1,574.66
65000-47001	TWR STAND SFF Z220/Z230	1	\$ 53.81	\$ 53.81
63000-221691	MNTR FP WIDE SCR LCD 22IN	1	\$ 421.54	\$ 421.54
809800-00102	GENERIC WKST CFG FEE	1	\$ 312.50	\$ 312.50
-	Cisco Switch/Router Equipment	-	\$ -	\$ -
04000-29616	SWITCH 2960 + CBL 24-PORT	2	\$ 1,230.00	\$ 2,460.00
04000-02971	WAR 2960 24P 2T 5YR 24X7	2	\$ 1,642.50	\$ 3,285.00
-	Peripherals & Gateways	-	\$ -	\$ -
04000-00180	SW SPT ANALOG GATEWAY 5YR	2	\$ 375.00	\$ 750.00
-	Note: Reuse existing gateways.	-	\$ -	\$ -
2213936-1-SR1	FXO GATEWAY 4-PORT	1	\$ 1,022.44	\$ 1,022.44
2213938-1-SR1	FXS GATEWAY 4-PORT	1	\$ 923.79	\$ 923.79
04000-00180	SW SPT ANALOG GATEWAY 5YR	2	\$ 375.00	\$ 750.00
03800-03030	FIREWALL- MODEM 60CM	1	\$ 740.56	\$ 740.56
03800-03035	WAR FIREWALL 60CM 5YR	1	\$ 1,135.00	\$ 1,135.00
809800-00201	VPN CFG SVCS	1	\$ 250.00	\$ 250.00
809800-00200	CFG NTWK DEVICE	1	\$ 166.25	\$ 166.25
04000-01900	RACK MNT KIT 1921 ROUTER	1	\$ 1,200.54	\$ 1,200.54
-	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.	-	\$ -	\$ -
04000-01920	ROUTER 1900 DATA LIC	1	\$ 558.63	\$ 558.63
04000-01925	WAR 1921 ROUTER 5YR 24X7	1	\$ 970.00	\$ 970.00
809800-00199	ROUTER CFG FEE	1	\$ 665.00	\$ 665.00

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

-	Peripherals & Cabinet Equipment	-	\$	-	\$	-
-	Note: Reuse existing 42U cabinet.	-	\$	-	\$	-
-	Aurora 2.2 - Standard MIS System Multi Product Purchase	-	\$	-	\$	-
873391-00301	AURORA USER LIC	1	\$	960.94	\$	960.94
04000-00339	SQL 2008R2 CAL RUN ENT	1	\$	225.50	\$	225.50
-	AURORA STD PER SEAT LIC	-	\$	-	\$	-
PA-MSG-ASSL-M	AURORA STD SEAT LIC MIG	7	\$	-	\$	-
SA-MSG-ALSL-5Y	SPT AURORA STD 5YR	7	\$	568.75	\$	3,981.25
-	Cassidian Communications VESTA 4 Equipment - Recommended	-	\$	-	\$	-
2213936-SPARE	FXO GATEWAY 4-PORT SPARE	1	\$	1,022.44	\$	1,022.44
2213938-SPARE	FXS GATEWAY 4-PORT SPARE	1	\$	923.79	\$	923.79
-	z230 Workstation Equipment - Recommended Spares	-	\$	-	\$	-
853004-00401	SAM EXT SPKR KIT	1	\$	215.25	\$	215.25
853030-00302	R4 SAM HDWR KIT	1	\$	2,116.63	\$	2,116.63
-	Field Engineering Services	-	\$	-	\$	-
809800-17101	FIELD ENG-PRIMARY	176	\$	125.00	\$	22,000.00
-	Training	-	\$	-	\$	-
-	Note: Training is provided at the customer site using the customer owned equipment. Prices are per student unless otherwise indicated. Minimum number of students is 6 and maximum number of students is 8 per class and 2 students per position.	-	\$	-	\$	-
000001-06701	VSENT 4.X AGENT TRNG	3	\$	1,500.00	\$	4,500.00
-	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.	-	\$	-	\$	-
000001-06704	VSENT 4.X ADMIN TRNG	1	\$	5,000.00	\$	5,000.00
-	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.	-	\$	-	\$	-
000001-06708	VSENT 4.X ADV ADMIN TRNG	1	\$	6,500.00	\$	6,500.00
-	Note: VESTA/Sentinel 4/X Advanced Admin bundle includes (1) 2 day class of Admin training for up to 8 students. Includes trainer's daily training expenses and travel. Advanced Admin training provides training on Multi-Agency, Roles Based Routing and Event Notification features.	-	\$	-	\$	-
000001-06074	VSENT 4.X ACT-VIEW TRNG	1	\$	1,500.00	\$	1,500.00
-	Note: VESTA/Sentinel 4/X Activity View bundle includes (1) 1/2 day class of Admin training for up to 8 students. Includes trainer's daily training expenses and travel.	-	\$	-	\$	-
000002-24404	AURORA ADMIN TRNG	1	\$	2,500.00	\$	2,500.00
-	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.	-	\$	-	\$	-
-	Cutover Coaching	-	\$	-	\$	-
000001-08538	CUTOVER COACHING	1	\$	2,500.00	\$	2,500.00
-	Note: Cutover Coaching includes (1) 8 hour session within a 24 hour day. Includes trainer's daily training expenses and travel.	-	\$	-	\$	-
-	-	-	\$	-	\$	-
-	-	-	\$	-	\$	-
-	-	-	\$	-	\$	-
-	Cassidian Communications VESTA 4 System - Side B	-	\$	-	\$	-
873099-00104.2	SENT 4 R2 LIC AND MEDIA	1	\$	1,921.88	\$	1,921.88
873099-03002U	R4 CAD INTF LIC UPGD	1	\$	-	\$	-
-	VM Server Bundles	-	\$	-	\$	-
-	VM Medium Server Bundle	-	\$	-	\$	-
-	Note: The Medium Server Bundle is for PSAP's up to 40 positions with	-	\$	-	\$	-
853031-DLSVRGD-1	V-DL SVR BNDL GEO	1	\$	16,943.25	\$	16,943.25
06500-00201	2-POST RELAY RACK MNT KIT	1	\$	219.10	\$	219.10
04000-68005	V-SVR BASIC SPT 1YR	1	\$	118.75	\$	118.75
-	Cassidian Communications VESTA 4 Licenses	-	\$	-	\$	-
-	VESTA Prime - Standard Operations	-	\$	-	\$	-
PS-OPR-VSML	VPRIME MLTP PER SEAT LIC	1	\$	6,085.94	\$	6,085.94
PS-OPR-VSML-M	VPRIME MLTP SEAT LIC MIG	2	\$	-	\$	-
PS-OAC-VSSL-M	VESTA COMP REG	3	\$	88.41	\$	265.23
SS-OPR-VSSL-5Y	SPT VPRIME 5YR	3	\$	4,812.50	\$	14,437.50
809800-35130	R4 SW SPT TRNSFR	2	\$	-	\$	-
-	Geo Diverse/Multi Site Add On License	-	\$	-	\$	-
PA-MGD-VSSL	GEO-DIV/MULTI-SITE LIC	1	\$	960.94	\$	960.94
PA-MGD-VSSL-M	GEO-DIV/MLTI-SITE LIC MIG	2	\$	-	\$	-
SA-MGD-VSSL-5Y	SPT GEO/MULTI SITE 5YR	3	\$	656.25	\$	1,968.75
809800-35130	R4 SW SPT TRNSFR	2	\$	-	\$	-
-	VESTA Workstation Equipment	-	\$	-	\$	-
61000-409605SFF	WKST HP Z230 SFF	3	\$	1,574.66	\$	4,723.98
65000-47001	TWR STAND SFF Z220/Z230	3	\$	53.81	\$	161.43
64000-40101	4GB RAM Z230	3	\$	142.23	\$	426.69
63000-221691	MNTR FP WIDE SCR LCD 22IN	3	\$	421.54	\$	1,264.62
853004-00401	SAM EXT SPKR KIT	3	\$	215.25	\$	645.75

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

