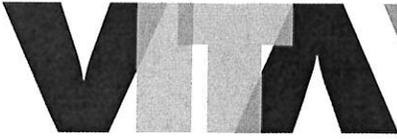


FY16

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

Spotsylvania 911 Sentinel Command Posts (Portable E911 Telephone System)

GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: Spotsylvania County Sheriff's Office – E911 Center

CONTACT TITLE: Communications Manager

CONTACT FIRST NAME: Becky

CONTACT LAST NAME: Skebo

ADDRESS 1: 9119 Dean Ridings Lane

ADDRESS 2: P.O. Box 1146

CITY: Spotsylvania

ZIP CODE: 22553

CONTACT EMAIL: bskebo@spotsylvania.va.us

CONTACT PHONE NUMBER: 540-507-7178

CONTACT MOBILE NUMBER: 540-850-9438

CONTACT FAX NUMBER: 540-582-5321

REGIONAL COORDINATOR: Amy Ozeki

HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

_____	_____
_____	_____
_____	_____
_____	_____

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:

YEARS of HARDWARE/SOFTWARE:

PRIORITY/PROJECT FOCUS TRANSPORTABLE BACK-UP

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

FINANCIAL DATA

Amount Requested: \$ 105,754.00

Total Project Cost: \$ 132,192.00

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:

In calendar year 2013, the Spotsylvania County 911 Center answered 188,927 calls, of which 137,690, or 72.88%, resulted in a call for service for the Sheriff and 16,637, or 8.81%, calls for service for Fire, Rescue, and Emergency Management. Although total failure of a communication center is a relatively rare occurrence, they still do occur as experienced by King George County when a lightning strike in 2014 took out radio communications, computer servers, and telephone lines to include the 911 center. Spotsylvania County is vulnerable to numerous natural and man-made threats. Natural hazards with a high to medium probability of occurring include northeasters, winter storms, wildfires, drought, hurricanes, tornadoes, and floods. The County also faces the potential of terrorist attacks against several critical County sites to include a nuclear threat from the North Anna Power Station and any mass evacuation from the Washington D.C. area. As Washington D.C., I-95, and the North Anna Nuclear Power Station are considered "high-value" targets, the potential for a regional event is a very real possibility. If an event were to occur at the North Anna Nuclear Power Plant, the 911 Center is located within the 20 mile zone. In addition to a terrorist attack, natural disasters could potentially result in the evacuation of the 911 Center. The last several decades of explosive growth in the region has certainly increased the potential for severe economic and social consequences if a major disaster or catastrophic event were to occur. Such an event could cost the County government, residents, and businesses millions of dollars in damages to buildings and infrastructure, lost tax revenues, unemployment, homelessness, and emotional and physical suffering. Along with the estimated 127,348 individual lives at stake in Spotsylvania County, there is also approximately \$13,818,109,997 in assessed properties that could be damaged or lost during a potential disaster. Our primary goal is to purchase equipment and services that will strengthen our current wireless E-911 operations beyond our current capabilities and enable our government to continue serving its citizens. Currently our PSAP) does not have a back-up 911 center in place. In the event of a communication outage the County would have to manually transfer the lines to Fredericksburg. If something were to happen to both localities' 911 centers simultaneously, there would be no immediate capability to respond to citizen 911 calls from either locality. Spotsylvania County is requesting financial assistance to purchase four Sentinel Command Posts. The estimated total project cost is \$132,192 which includes a 10% contingency factor. We are requesting \$105,754, or 80% of the project costs in PSAP funding while the remaining \$26,438 will be paid from the Sheriff's Office asset forfeiture funds. Although the Sheriff's Office FY2015 Adopted Budget increased by \$1,649,075, or 8% over the FY14 adopted budget of \$20,439,304 there is insufficient funding to cover the costs associated with strengthening the E-911 operations. The Command Posts would enable the 911 Center to continue operations in the event of an outage. This type of system supports a quick and easy set-up of remote answering positions in the event of a call center evacuation to provide emergency response services from any location with very minimal downtime, and the ability to handle emergency calls in a very timely manner. Through the extended maintenance warranty this equipment is expected to be fully functional for a minimum of five years. There are no anticipated monthly reoccurring charges for this system and once the warranty has expired we will request funds through the County's budget process for any extended warranties or support for this product to continue local sustainability. In order to apply for this grant opportunity, we first requested and received permission from our Board of Supervisors. With their continued support, we will be able to maintain the operation of the four Command Posts.



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

Spotsylvania County will keep the equipment maintained by a pre-paid extended maintenance warranty through Carousel Industries for a minimum of five years to include customer support twenty four hours per day, seven days per week to ensure continued maintenance, support, and updates to the system as needed. The pre-paid maintenance warranty would be purchased concurrently with the Sentinel Command Posts.

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 goal of this project is to enhance the County's ability to communicate in the event of an emergency that impacts the 911 Center. This facility, along with our Emergency Operations Center (EOC), is co-located on the same floor of the Public Safety Building. If something were to happen to one entity, it would more than likely impact the other entity as well. The proposed communication back up system will enable Spotsylvania County to acquire multi-discipline and multi-jurisdiction operability and interoperability thereby enhancing the protection of lives, personal property, critical infrastructure, and key resources ensuring that government mission and economic functions are maintained in the event of an outage of the County's primary communication system. Spotsylvania County would like to purchase four Command Posts, a portable telephone system that duplicates the current 911 system. The system needs a power source and network lines in order to provide emergency response services from any location. Our implementation strategy is to utilize these command posts, in the event of a mandatory center evacuation or emergency, to continue providing emergency response services from a secondary location, i.e. another office building or mobile command unit. Our work plan is to coordinate with Carousel Industries to ensure adequate training is received for all communications personnel. Once training for communication personnel is completed, we will implement quarterly training so that all personnel are familiar with the equipment on an ongoing basis, and ensure an efficient transition should an emergency situation occur. The success of the proposed project will be in the successful installation and operation of the Command Posts. This system will be tested at a minimum, on a quarterly basis and will be utilized in training and exercises. The evaluation will be conducted by the Communications Manager.



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.

<p align="center">PROJECT PHASE- Assuming Award Documents Received 07/01/15</p>	<p align="center">ESTIMATED COMPLETION DATE</p>
<p><input checked="" type="checkbox"/> INITIATION (Project approved by appropriate stakeholders)</p>	<p align="center">08 / 15 / 15</p>
<p><input checked="" type="checkbox"/> DESIGN/PLANNING (Project, system, or solution requirements are developed)</p>	<p align="center">09 / 15 / 15</p>
<p><input checked="" type="checkbox"/> ACQUISITION (Selected system or solution is procured)</p>	<p align="center">11 / 01 / 15</p>
<p><input checked="" type="checkbox"/> IMPLEMENTATION (Selected system or solution is configured and installed)</p>	<p align="center">01 / 15 / 16</p>
<p><input checked="" type="checkbox"/> TESTING/COMPLETION (Selected system or solution is tested and put in production)</p>	<p align="center">02 / 15 / 16</p>

Identify the longevity or sustainability of the project.

The equipment is expected to be fully functional for a minimum of five years through the pre-paid extended maintenance warranty which will be purchased concurrently with the Command Posts. The extended warranty plan includes upgrades as needed and customer support every day of the year.



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

This project directly supports the Virginia Statewide E-911 Strategic Comprehensive Plan by providing a portable telephone system that duplicates the current 911 telephone system. It is a laptop computer system that needs a power source and network lines in order to provide emergency response services from any location. This type of system supports a quick and easy set-up of a remote answering system in the event of a call center evacuation, special event emergency, and/or disaster recovery management. It will result in improved and more efficient, timely assistance to citizens in their time of need without having to go through the lengthy process of transferring E-911 lines to an adjacent jurisdiction.

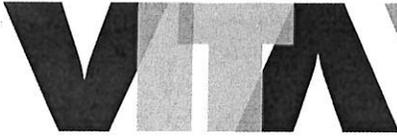
SHARED SERVICES/REGIONAL INITIATIVE (if applicable)

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.

The total cost of the four Command Post Systems and pre-paid extended five year warranty option is estimated at \$132,192. We respectfully request \$105,754, or 80% in PSAP Grant funding while the Sheriff's Office will provide the remaining \$26,438, or 20% of the total project costs from the use of their asset forfeiture funds. The budget information for the communication back up plan for the 911 Center is based on a vendor quote and includes a 10% contingency factor to account for potential price increases. There are no anticipated monthly reoccurring charges for this product/system. Once the warranty has expired, money will be requested through the County's budget process for any extended warranties or support for this product.

Please note that the attached vendor quote inadvertently calculated the extended warranties for two Command Posts versus the requested four. The corrections have been notated on the attached quote.

EVALUATION

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

The equipment will be purchased, installed, and maintained by qualified technicians. After installation, training will be provided and quarterly testing will be conducted by qualified communications personnel to measure effectiveness and reliability of the system. Repairs or unusual occurrences with the system will be reported and tracked for future reliability assessments.



FINANCIAL AND PROGRAMMATIC REPORT

PROJECT PHASES

SAMPLE ACTIVITIES

PHASE	SAMPLE ACTIVITIES
<p>INITIATION (Project approved by appropriate stakeholders)</p>	<ul style="list-style-type: none"> • 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
<p>DESIGN/PLANNING (Project, system, or solution requirements are developed)</p>	<ul style="list-style-type: none"> • Requirements are documented • Components to be purchased are identified • General design is documented
<p>ACQUISITION (Selected system or solution is procured)</p>	<ul style="list-style-type: none"> • 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
<p>IMPLEMENTATION (Selected system or solution is configured and installed)</p>	<ul style="list-style-type: none"> • Purchased components are delivered and installed • Training is performed
<p>TESTING/COMPLETION (Selected system or solution is tested and put in production)</p>	<ul style="list-style-type: none"> • Performance of system/solution is validated • System/solution goes "live"



Quote Date: 5/27/2014
 Quote No.: CAR49407-1A
 Site No.: 101603
 Account No: 3201
 Original Quote Date: 5/27/2014

Spotsylvania County, VA - Side A
 Sentinel Upgrade / Adding CommandPost

Customer Information	
Customer: Spotsylvania	Products: CommandPOST
Contact:	
Phone:	
Fax:	
E-Mail:	

Sentinel Patriot System

Qty.	Part No.	Description	Unit Price	U/M	Total
		<i>Quote Summary: Spotsylvania, VA is at Sentinel release 3.1. The site will upgrade to 3.3 for the addition of (4) CommandPost positions.</i>			
1	873099-00103.3U	Sentinel Patriot SENT PAT 3.3 L/D/M UPGD	\$0.00	EA	\$0.00
1	873099-03001U	PAT/CM CAD INTF LIC UPGD	\$0.00	EA	\$0.00
		<i>Note: Existing peripheral equipment will be used.</i>			
		Sentinel Patriot DL380/G7 Server Equipment			
		<i>Note: Existing server equipment will be used.</i>			
		Sentinel Patriot Licenses			
		<i>Note: Existing support until 11/2016.</i>			
10	873099-00303.0U	PAT 3.X PER SEAT LIC UPGD	\$0.00	EA	\$0.00
		Sentinel Patriot Workstation Equipment			
		<i>Note: Existing workstations equipment will be used.</i>			
		Sentinel Patriot IRR Module			
10	873099-00501U	PAT/CM IRR UPGD	\$0.00	EA	\$0.00
		Sentinel Monitor			
1	873099-00701U	SEN MNTR VIEW SW LIC UPGD	\$0.00	EA	\$0.00
		Peripherals & Gateways			
		<i>Note: Existing switches, routers, printers, firewalls, cabinet and other peripheral equipment will be re-used.</i>			
		Time Synchronization Equipment			
		<i>Note: Existing time sync equipment will be used.</i>			
Sentinel Patriot System Subtotal					\$0.00

Sentinel CommandPOST System

Qty.	Part No.	Description	Unit Price	U/M	Total
		Sentinel Patriot CommandPOST			
		<i>Note: (2) Existing CommandPost will expire 2/2017. Existing CommandPost equipment will be used.</i>			
2	873099-00303.0U	PAT 3.X PER SEAT LIC UPGD	\$0.00	EA	\$0.00
		<i>Note: For the addition of (4) CommandPost positions.</i>			
4	873099-00303.0	PAT 3.X PER SEAT LIC	\$7,857.14	EA	\$31,428.57
4	809800-07805	CPOST SW SPT 5YR	\$4,714.29	EA	\$18,857.14
		Sentinel Patriot CommandPOST Hardware			
		<i>Note: For the addition of (4) CommandPost positions.</i>			
4	61050-G409601	LAPTOP ZBOOK15 W7	\$2,321.43	EA	\$9,285.71
4	04000-00486	LAPTOP DOCKING STATION	\$575.71	EA	\$2,302.86
4	04401-00096	BATTERY 9-CELL 73WH	\$344.29	EA	\$0.00
4	04401-00097	BATTERY 9-CELL 100WH	\$404.29	EA	\$1,617.14
4	64021-10025	KYBD/MOUSE BNDL	\$62.86	EA	\$251.43

Cassidian Communications - P.O. Box 9007 - 42505 Rio Nedo, Temecula, CA 92589 - Tel: 951.719.2100 - Fax: 866.651.8173
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Spotsylvania County, VA - Side A

Sentinel Upgrade / Adding CommandPost

Qty	Part No.	Description	Unit Price	U/M	Total
4	63000-221691	MNTR FP WIDE SCR LCD 22IN	\$470.00	EA	\$1,880.00
4	64007-50017	KEYPAD 24KEY 25FT CBL	\$165.71	EA	\$662.86
4	853004-00401	SAM EXT SPKR KIT	\$240.00	EA	\$960.00
4	853004-00301	CPOST SAM HDWR KIT	\$3,260.00	EA	\$13,040.00
4	809800-35058	SENT IWS CFG	\$285.71	EA	\$1,142.86
4	809800-35060	SENT STG FEE PER POS	\$428.57	EA	\$1,714.29
1	870890-07501	CPR/SYSPREP IMAGING	\$0.00	EA	\$0.00
<i>Sentinel Patriot Dual IRR Module</i>					
4	873099-00501	PAT/CM IRR LIC/DOC/MED	\$1,421.43	EA	\$5,685.71
4	809800-35020	PAT/CM IRR SW SPT 5YR	\$852.86	EA	\$3,411.43
<i>Sentinel Monitor</i>					
4	873099-00801	SEN AGENT MNTR LIC	\$1,071.43	EA	\$4,285.71
<i>Aurora - MIS System Licensing & Support</i>					
4	873391-00201	AURORA COLLECTION LIC	\$1,142.86	EA	\$4,571.43
4	809800-03305	AURORA STD SPT 5YR	\$685.71	EA	\$2,742.86
Sentinel CommandPOST System Subtotal					\$103,840.00

Aurora - MIS System

Qty.	Part No.	Description	Unit Price	U/M	Total
		<i>Aurora - Standard MIS System</i> <i>Note: Aurora Standard is at release 1.3. No upgrades are required for Aurora.</i>			
		<i>Note: Existing Aurora Support until 11/2016.</i>			
		<i>Aurora Server Equipment</i> <i>Note: Existing Aurora server equipment will be used.</i>			
		<i>Aurora Workstation Equipment</i> <i>Note: Existing Aurora workstation equipment will be used.</i>			
Aurora - MIS System Subtotal					\$0.00

Managed Services

Qty.	Part No.	Description	Unit Price	U/M	Total
		<i>Monitoring & Response Activation Fee</i> <i>Note: Existing M&R services until 5/2017.</i>			
Managed Services Subtotal					Not Included

Extended Warranties

Qty.	Part No.	Description	Unit Price	U/M	Total
4	04000-01589	<i>Workstation Extended Warranty</i> WARR CPOST ZBOOK 5YR NBD <i>Note: Warranty upgrade from 3 yrs warranty 9x5 NBD to 5 yrs 9x5 NBD.</i>	\$583.67	EA	\$1,634.29
Extended Warranties Subtotal					\$1,634.29

Cassidian Communications Services

Qty.	Part No.	Description	Unit Price	U/M	Total
272	809800-17101	<i>Field Engineering Services</i> FIELD ENG-PRIMARY	\$100.00	UN	\$14,000.00
232	809800-17102	FIELD ENG-SECONDARY	\$100.00	UN	Optional
<i>Project Management Services</i> <i>Note: If Project Management services are not purchased, only project coordination services will be provided. This service option requires the channel to assume all project management responsibilities. Cassidian Communications will engage the Project Coordinator to act as a single point of contact whose responsibility is limited to assisting with the scheduling and coordinating of purchased services only.</i>					
Cassidian Communications Services Subtotal					\$14,000.00

Quote Summary

Cassidian Communications - P.O. Box 9007 - 42505 Rio Nudo, Temecula, CA 92589 - Tel: 951.719.2100 - Fax: 866.651.8173

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Version 4.0S

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Should BE \$2334.68 (4x\$583.67)

Spotsylvania County, VA - Side A

Sentinel Upgrade / Adding CommandPost

PRODUCT	TOTAL
Sentinel Patriot System	\$0.00
Sentinel CommandPOST System	\$103,840.00
Aurora - MIS System	\$0.00
Managed Services	Not Included
Extended Warranties	\$2,334.68
Cassidian Communications Services	\$14,000.00
TOTAL QUOTE	\$119,474.29
GRAND TOTAL	\$120,174.68 \$119,474.29

Power Draw Information

Product	Total Amps
Sentinel Patriot System	0
Sentinel CommandPOST System	5.24
Aurora - MIS System	0
Managed Services	0
Total Amps	5.24
Total Watts/VA	628.8
Total KVA	0.6288
BTU's	1717.2528

Configuration Notes

Site is upgrading to Sentinel Patriot 3.3 and adding (4) CommandPost positions

Additional Comments

Quote is valid for 120 days from the original Quote Date or until Software Support expires, whichever comes first. Subsequent revisions are valid for 120 days from the original quote date.

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Version 4_0S

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EQUIPMENT = \$103,840.00
 WARRANTIES = 2,334.68
 SERVICES = 14,000.00
\$120,174.68
 10% CONTINGENCY 12,017.47
\$132,192.15

80% = \$105,754
 20% = \$26,438
\$132,192



Quote Date: 5/27/2014
Quote No.: VARIOUS
Site No.: VARIOUS
Account No: 3201
Original Quote Date: 5/27/2014

Spotsylvania County, VA
Sentinel Upgrade / Adding CommandPost

Customer Information	
Customer: Carousel	Products: CommandPOST
Contact:	
Phone:	
Fax:	
E-Mail:	

Quote Summary			
Quote No.	Site Name	Site No.	TOTAL
CAR49407-1A	Spotsylvania County, VA - Side A	101603	\$119,474.29
	TOTAL QUOTE		\$119,474.29
	GRAND TOTAL		\$119,474.29

\$120,174.68

Additional Comments
Quote is valid for 120 days from the original Quote Date or until Software Support expires, whichever comes first. Subsequent revisions are valid for 120 days from the original quote date.