



FY18

PSAP GRANT PROGRAM APPLICATION



VIRGINIA INFORMATION
TECHNOLOGIES AGENCY
Integrated Services Division



FY18 PSAP GRANT PROGRAM APPLICATION

HOW TO APPLY/DEADLINE

The grant application is available and accessible from VITA ISP's website (<http://www.vita.virginia.gov/isp/default.aspx?id=8578>). Upon completion of the application, it is to be submitted to the electronic mailbox for grant applications - psapgrants@vita.virginia.gov. Any supporting documentation must also be submitted along with the application when making your grant application submission.

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 FY18 PSAP Grant Application Cycle starts July 1, 2016 and concludes on September 30, 2016 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.



FY18 PSAP GRANT APPLICATION

PROJECT TITLE

Radford City GIS / Mapping Software / Hardware Upgrade

GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: Radford City Police Department / PSAP
 CONTACT TITLE: Administrative Sergeant / PSAP Director
 CONTACT FIRST NAME: Chris
 CONTACT LAST NAME: Caldwell
 ADDRESS 1: 20 Robertson Street
 ADDRESS 2:
 CITY: Radford
 ZIP CODE: 24141
 CONTACT EMAIL: Chris.Caldwell@radfordva.gov
 CONTACT PHONE NUMBER: (540) 267-3190
 CONTACT MOBILE NUMBER: (540) 605-0918
 CONTACT FAX NUMBER: (540) 731-3620
 REGIONAL COORDINATOR: Melissa Parsons

HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

Radford City Police Department / PSAP

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GRANT TYPE

Individual PSAP Shared Services



TIER

- Out of Service
- Technically Outdated*
- Not Applicable
- Non-Vendor Supported*
- Strengthen

If technically outdated or non-vendor supported, application MUST include age and/or version of hardware/software.

VERSION: _____ # YEARS of HARDWARE/SOFTWARE: _____

Workstations (Windows XP platform) 7 years
Currently no dedicated server for mapping, its workstation based

PRIORITY/PROJECT FOCUS MAPPING SYSTEMS

FINANCIAL DATA

Amount Requested: \$ 150,000.00

Total Project Cost: \$ 150,000.00



PROJECT DESCRIPTION

Statement of Need:

The Radford City Police Department/PSAP current system(s) is workstation based requiring each workstation to be maintained with software, GIS mapping data updates. This limits on how the mapping software can be utilized. Having a workstation based system(s) limits the ability to relocate the mapping software should the need arise for an evacuation. Given the age of our current operating system(s) which is seven (7) years old and the operating system is Windows XP platform, which has been deemed by Microsoft as end of life. Windows 7 has been installed (end of life in 2018), but is not running well and there is a high probability failure to the system(s) due to hardware and/or software failure. These workstations also operate our CAD system so therefore with the outdated technology that we current use this causes periodic failures due to insufficient processors, RAM and graphic cards.

Financial Need:

The Radford City Police Department/PSAP does not have budgetary means to allot funding for this project due to budget restraints/reductions to the State of Virginia's budget deficit which affects the City of Radford's current budget and also future budgets. The Radford City Police Department/PSAP is in need of this grant funding.

Impact on Radford City Police Department/PSAP for not receiving funding:

Without the grant funding to upgrade the system(s) the upgrades will not occur. If upgrades are not done due to unavailable funding this will put the Radford City Police Department/PSAP at risk for system(s) disruptions causing a delay in getting emergency services to those in need of these services.

Impact to operational services in the Radford City Police Department/PSAP:

This project will improve the daily operations of the Radford City Police Department/PSAP by providing a more advanced technology system(s). Some of the advanced technology improvements are the latest mapping technology, improved display speeds, better redundancy, and more efficient software/GIS data maintenance and enhanced features for NG-911. The system that is being looked at for implementation is a server-based system which utilizes the latest ESRI (Environmental Systems Research Institute) platforms. The benefits to this system will provide the Emergency Tele-Communicator with a caller's locations in a quicker, more efficient manner. The system(s) includes a dual server redundancy with the capability of adding additional redundancy in the future. Therefore reducing the cost associated with costly workstations. This system is displayed through a standard web browser allowing public safety personnel to interact with the mapping system using virtually authenticated PC.



PROJECT GOAL

Describe how this project addresses locally identified need(s) and supports the Virginia 9-1-1 Comprehensive Plan:

Upgrading the PSAP's current out dated equipment and GIS system will allow the PSAP to handle their current GIS and mapping needs but will also position them to handle future demands such as NG-9-1-1 which will place an even heavier demand on an accurate, responsive, and reliable GIS system. This supports the Virginia Statewide Comprehensive 9-1-1 plan by ensuring that the PSAP has and uses flexible, open-architecture application based system that follows the standards and guidelines established by the Commonwealth. Thereby guaranteeing interoperability and resource sharing.

PROJECT OBJECTIVES

Describe the objectives that will support the goals identified above:

Project Goals and Objectives:

1. Convert the current desktop-based dispatch mapping system to a server-based system
2. Reduce hardware requirements for dispatch workstations by implementing server-based technology
3. Eliminate the need for GIS software and GIS data to be maintained on each workstation
4. Implement server-based dispatch mapping
5. Incorporate role based technology allowing system wide administrative control
6. Provide better Common Operating Picture (COP) by allowing access from any networked/authenticated computer
7. Provide advanced Map/CAD integration
8. Implement a NG9-1-1/ESInet ready mapping system
9. Ensure accurate location reporting of all inbound 911 Wireless and Landline calls



SHARED SERVICES (if applicable)

Describe the relationship of the project to the participating PSAPs:

2T

Describe the intended collaborative efforts and resource sharing opportunities:

2T



**IMPLEMENTATION PLAN
SHARED SERVICES & INDIVIDUAL PSAP APPLICATIONS:**

For each applicable phase of the project, indicate the planned completion date.

PROJECT PHASE	PLANNED COMPLETION DATE
INITIATION – 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, and budgetary estimates are obtained.	09 / 15 / 17
DESIGN/PLANNING - Requirements are documented, components to be purchased are identified, and general design is documented.	03 / 15 / 18
ACQUISITION - RFP (or other bid related processes) are drafted, proposals are evaluated, contract is signed, purchase orders are issued, and quotes are obtained.	07 / 15 / 18
IMPLEMENTATION - Purchased components are delivered and installed and training is performed	11 / 15 / 18
TESTING/COMPLETION - Performance of system/solution is validated and system/solution goes “live”	12 / 15 / 18



BUDGET AND BUDGET NARRATIVE

1. Mapping Server Software:	\$74,000.00
GIS Data analysis, Server Setup services, Active/Passive Server License, Dispatch add on module, CAD interface, System Installation, Training, and Project Management Services	
2. Mapping Software and Hardware Maintenance (first year)	\$10,000.00
Annual software support and maintenance, Dispatch add-on Module one annual Software support and maintenance	
3. Mapping software and hardware Extended Annual pricing years 2-5:	\$40,000.00
Server licenses, Dispatch add-on module, Maintenance utility, CAD interface	
4. Server load balancer hardware:	\$6,000.00
Server licenses, Dispatch add-on module, Maintenance utility, CAD interface	
5. Mapping Server:	\$6,000.00
6. Mapping/Cad Workstations:	\$14,000.00
Four CAD/Mapping workstations	



EVALUATION

The PSAP will require all vendors to submit a detailed project timeline, goals, and deliverables as part of an awarded contract. This project will be monitored through periodic meetings between the PSAP, vendors and stakeholders. The PSAP will designate a project lead. The project lead will work with the vendor to ensure specific goals are met throughout the project. Payment terms will be based on milestone events. Milestone events will be carefully developed and negotiated before contract signing to ensure the project is completed in a timely fashion. As part of the implementation plan the vendor will be required to produce and adhere to an acceptance test plan. The project lead will ensure all items in the acceptance test plan have been met. The project lead will also review the acceptance test plan before signing. Final payment will be withheld until the acceptance test plan has been approved and signed. The success of this project will be monitored by the Communications Supervisor and project lead. They will monitor the accuracy of the data being provided to the tele-communicator and the effect this data has on the efficiency of answering, entering, and dispatching first responders to 911 calls for service.



CONSOLIDATION (Primary or Secondary) - (complete only if applicable)

How would a consolidation take place and provide improved service:

2T

How should it be organized and staffed:

2T

What services should it perform:

2T

How should policies be made and changed:

2T



CONSOLIDATION (Primary or Secondary) - (complete only if applicable) – con't

How should it be funded:

2T

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

2T