



FY17

# PSAP GRANT PROGRAM APPLICATION



VIRGINIA INFORMATION  
TECHNOLOGIES AGENCY  
Integrated Services Division



## FY17 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 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 FY17 PSAP Grant Application Cycle starts July 1, 2015 and concludes on September 30, 2015 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.**



## FY17 PSAP GRANT APPLICATION

### PROJECT TITLE

911 Mapping Display System

### 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: 3300 Kings Mountain Rd

ADDRESS 2: P.O. Box 7

CITY: Collinsville

ZIP CODE: 24078

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

CONTACT PHONE NUMBER: 276-632-7677

CONTACT MOBILE NUMBER: 279-732-9543

CONTACT FAX NUMBER: 276-638-1394

REGIONAL COORDINATOR: Buster Brown

### HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

**Martinsville-Henry County 911**

**Henry County**

**City of Martinsville**

### 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- Technically Outdated\*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**If technically outdated or non-vendor supported, application MUST include age and/or version of hardware/software.**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: Southern Software Mapping 2.102.6.0**

**# YEARS of HARDWARE/SOFTWARE: 5+ Years Hardware (Technically Outdated)**

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**PRIORITY/PROJECT FOCUS 9-1-1 MAPPING DISPLAY**

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

**FINANCIAL DATA**

Amount Requested: \$ 124,519.00

Total Project Cost: \$ 124,519.00



## 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:

**Next to Call Handlin Equipment, the second most important system in any PSAP is the Mapping Display System. Utilized to accurately display the location of incoming 911 calls originating from wireless, wireline and now SMS (Text) to 911 calls for service. Martinsville-Henry County is currently receiving SMS to 911 calls from six wireless carriers, allowing citizens to text 911 emergencies into our PSAP. As we move towards NG911 development, Mapping Display Systems play a critical role. NG911 calls will utilize GIS information for location of the callers and plotting those calls on the Mapping Systems. A solid NG911 Mapping Display System and hardware is critical in moving towards the NG911 goal.**

**This project directly relates to the funding priority established by the PSAP Grant Program's Grant Committee under the Individual PSAP program as priority two for "911 Mapping System" and ranked as number 31 in the overall rankings.**

**This grant funding will allow our PSAP to replace technically outdated mapping workstation equipment as well as mapping servers, all of which have been in service for 5+ years and have reached their end of expected lifecycle. Martinsville-Henry County utilizes the Southern Software Mapping Display system (version 2.102.6.0) and we are configured as a Geo-Diverse PSAP for redundancy to ensure sustainability. Our existing Mapping Display System integrates seamlessly with our CHE and CAD equipment; however there is a desperate need to replace the hardware running this system that has reached its end of expected lifecycle of 5+ years in service. Without the financial support from the Virginia Wireless E-911 Services Board, it is unlikely this project will take place. Budget shortfalls along with local budget restraints have made it impossible to fund this project in the foreseeable future. If awarded this grant, our locality will perform the installation of all equipment and sustain such equipment throughout its lifecycle.**



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

**It is the intention of Henry County and the City of Martinsville to maintain this equipment and software purchased through this grant program in the future. Due to budget shortfalls, both localities are not able to provide current funding for this mapping display equipment and software project.**

### **COMPREHENSIVE PROJECT DESCRIPTION**

Identify the longevity or sustainability of the project.

**Local sustainability will be achieved by having equipment (hardware and software) that will be covered by the manufactures' warranty out to five years, as well as supported by internal I.T. staff with Henry County for the lifecycle of this hardware and software.**

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

**Martinsville-Henry County 911 is one of the few locations within Virginia actively receiving SMS to 911 calls. We are now receiving SMS to 911 calls from six wireless carriers. This mapping system project supports the Virginia Statewide Comprehensive 911 plan by allowing the Martinsville-Henry County 911 Center to continue the ability in receiving and accurately plotting the location of wireless 911 calls for service. The hardware and software contained within this project will allow our PSAP to continue advancing in NG911 and continue with the ability to answer, process and plot locations to any geographical location, from any wireless communications device.**



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

If awarded the grant funds, the Martinsville-Henry County 911 Center will replace existing mapping system hardware and operational software that has been in service for five years and has reached its end of expected lifecycle. This mapping display system equipment is the backbone of accurately plotting the location of wireless 911 calls for service. Our PSAP deployed the SMS to 911 technologies early on and we are now live with six wireless providers. This equipment will permit our PSAP to continue with moving forward with not only SMS to 911 technologies, but continue moving forward with future NG911 technology as well. The project includes Mapping Display equipment to continue with our geo-diverse configuration for redundancy and sustainability.

**Project Goals and Objectives:**

1. Replace our mission critical primary 911 mapping display system hardware that has reached its end of expected lifecycle of five plus years in service.
2. Provide 911 workstations with updated mapping system hardware and operational software to process and display wireless 911 calls for service, including SMS to 911 calls.
3. Provide mapping support staff with updated computer hardware and software to continue with support from GIS, data analysis, etc.
4. Continue with a geo-diverse Mapping, CAD, and CHE configuration allowing for redundancy and sustainability for the PSAP.

The full implementation/installation of this project will be provided by the Henry County I.T. Department and 911 Staff. All mapping hardware and software will be installed and fully tested prior to be cutover active to process calls for service.



**PROJECT TIMELINE FOR  
SHARED SERVICES & INDIVIDUAL PSAP APPLICATIONS:**

For each applicable phase of the project, indicate the estimated completion date. Sample activities for each phase are included.

<b>PROJECT PHASE</b>	<b>ESTIMATED COMPLETION DATE</b>
<input type="checkbox"/> <b>INITIATION</b> (Project approved by appropriate stakeholders)  Sample activities: 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	<b>07 / 30 / 15</b>
<input type="checkbox"/> <b>DESIGN/PLANNING</b> (Project, system, or solution requirements are developed)  Sample activities: requirements are documented, components to be purchased are identified, and general design is documented	<b>07 / 30 / 15</b>
<input type="checkbox"/> <b>ACQUISITION</b> (Selected system or solution is procured)  Sample activities: RFP (or other bid related processes) are drafted, proposals are evaluated, contract is signed, purchase orders are issued, and quotes are obtained	<b>08 / 15 / 16</b>
<input type="checkbox"/> <b>IMPLEMENTATION</b> (Selected system or solution is configured and installed)  Sample activities: purchased components are delivered and installed and training is performed	<b>12 / 01 / 16</b>
<input type="checkbox"/> <b>TESTING/COMPLETION</b> (Selected system or solution is tested and put in production)  Sample activities: performance of system/solution is validated and system/solution goes "live"	<b>02 / 15 / 17</b>



## 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.

**\$78,907.45 – Dell Precision T1700 Computers including Windows 7/8, Office 2013**  
9-Primary Dispatcher Mapping Display Workstations.  
3-911 Support Staff Mapping Display Workstations.  
2-GIS Support Mapping Display Workstations.  
1-Neverfail Physical and Virtual Server and support.  
3-Mapping Display Computers for EOC and 911 Center.

**\$13,637.93 – Dell Power Edge R730xd Mapping Display Servers**

**\$2,674.43 – SQL Server 2014 w/15 user CAL (Software for Mapping Server)**

**\$3,543.96 – Microsoft Win Server and SQL License**

**\$1,440.00 – Uninterrupted Power Supplies for each Mapping Workstation.**

**\$6,920.55 – (9) Monitors used for processing and mapping calls for service.**

**\$9,248.98 – UPS for Primary Mapping Display Server equipment cabinet.**

**\$8,146.00 – Contingency Fund 7%**

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**\$124,519.30 Total**



## EVALUATION

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

**The installation of all hardware and software will be performed by the Henry County I.S. Department along with the assistance of 911 support staff and Southern Software who is our Mapping Display vendor.**

**The achievement and success of this project will be broken down into segments;**

- 1.) Purchasing all hardware/software within budget allotment.**
- 2.) Software transfer of existing Mapping Data.**
- 3.) Hardware installation.**
- 4.) Testing of all hardware for proper operation.**
- 5.) Testing of all Mapping Display Software for proper operation.**

**All segments of this project will be overseen by the 911 Director and/or his appointee.**