



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

Southside Virginia NG911 GIS Update Project

GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: Halifax County E-911 Communications Center

CONTACT TITLE: E-911 Director

CONTACT FIRST NAME: Wendy

CONTACT LAST NAME: Jones

ADDRESS 1: P O Box 699

ADDRESS 2: 1040 Mary Bethune Street

CITY: Halifax

ZIP CODE: 24558

CONTACT EMAIL: hce911@co.halifax.va.us

CONTACT PHONE NUMBER: 434-476-1784

CONTACT MOBILE NUMBER: 434-446-2061

CONTACT FAX NUMBER: 434-476-5300

REGIONAL COORDINATOR: Stefanie McGuffin

HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

Halifax County

Mecklenburg County

Brunswick County

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- Technically Outdated*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If technically outdated or non-vendor supported, application MUST include age and/or version of hardware/software.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: _____
n/a

PRIORITY/PROJECT FOCUS NG 9-1-1 GIS

FINANCIAL DATA

Amount Requested: \$ 45,000.00

Total Project Cost: \$ 45,000.00



PROJECT DESCRIPTION

Provide a detailed description of the project for which funding is being sought, including the impact on operational services and consequences of not receiving funding; the relationship to local strategic and capital improvement plans; and sustainability:

The purpose of this project is to make the region's 9-1-1 GIS data (addresses, centerlines, and PSAP boundaries) Next Generation 9-1-1 Ready. Through this process, the three most important GIS layers will be assessed, reviewed, updated and corrected, resulting in highly accurate data that will conform to accepted NG911 data standards.

Next Generation 9-1-1 readiness is an upgrade to the emergency response services that the public needs. However, with "bad" or "dirty" GIS data, even the best NG911 system will be incapable of meeting those needs. NG911 relies on GIS data exclusively, unlike current systems. This project will ensure that the GIS data needed by NG911 will be ready.

Funding will cover expenses associated with providing a very detailed review and correction of the road centerline, address point, and PSAP boundary GIS layers. It will also provide for any needs related to moving these layers to a NG911 accepted data model (likely one adopted by the Commonwealth of Virginia.) It will provide for QA/QC and for 5 years of data maintenance. The final deliverable will be a file geodatabase for each County PSAP, although interim updates will be provided as well during the process.

Failure to fund this project will likely result in the data not being fully NG911 compliant in a reasonable time period. This opportunity for a regional approach is one that is beneficial for each County involved as well as a chance for VITA to ensure this service reaches Southside Virginia, and at a low cost.



PROJECT GOAL

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

All three counties are rural, and lack the resources for full-time GIS support, much less for a very detailed, time consuming project such as this GIS data update project. The need for accurate GIS data has been present ever since call display mapping software has been in use in the PSAPs, and now that need is even greater with the requirements of NG911. Virginia's Comprehensive Plan for 9-1-1 calls for statewide standards for 9-1-1 emergency response, and accurate GIS data directly impacts whether or not that response is effective.

The goal of this project is to supply GIS data that will fit the needs of current and future 9-1-1 operations in the region, satisfying the goals of the Statewide plan.

PROJECT OBJECTIVES

Describe the objectives that will support the goals identified above:

Increase GIS accuracy:

Geographic – address points in wrong location or missing, missing roads, roads with wrong directionality

Attribution – roads with incorrect names, addresses with wrong house numbers, missing attributes such as one-way designation, address points that do not correlate to road address ranges

Relationship to MSAG/ALI – The MSAG and ALI are still vital components of 9-1-1, and will be validated against GIS data as a part of this project. Any changes needed to the MSAG/ALI will be brought to the attention of the telephone providers.

Promote interoperability with other systems:

All GIS data layers created as a result of this project will conform to accepted standard data models used by NENA and VGIN



SHARED SERVICES (if applicable)

Describe the relationship of the project to the participating PSAPs:

Each PSAP utilizes GIS data that is currently provided by local government, typically with aid from Southside Planning District Commission. This project aims to update the 3 most critical GIS layers with more accurate, NG911-ready data, for each PSAP in the region. Working together as a region will be more cost-effective, and ensure that GIS data is compatible through the three counties.



Describe the intended collaborative efforts and resource sharing opportunities:

The 3 Counties that make up the Southside Planning District collaborate in many ways by using SPDC for GIS assistance as well as other projects. SPDC is already providing GIS technical assistance to the 3 Counties, and therefore working closely with the same GIS data that is the subject of this project. With whatever role SPDC plays in this project, there will be data sharing and resource sharing.



**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.	8 / 31 / 17
DESIGN/PLANNING - Requirements are documented, components to be purchased are identified, and general design is documented.	9 / 30 / 17
ACQUISITION - RFP (or other bid related processes) are drafted, proposals are evaluated, contract is signed, purchase orders are issued, and quotes are obtained.	12 / 31 / 17
IMPLEMENTATION - Purchased components are delivered and installed and training is performed	4 / 30 / 19
TESTING/COMPLETION - Performance of system/solution is validated and system/solution goes “live”	6 / 30 / 19



BUDGET AND BUDGET NARRATIVE

List the planned expenditures to be made with grant funds. 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.

GIS Data Review & Update: \$45,000.00

TOTAL \$45,000.00

Estimates based on preliminary sampling of address and RCL data and results of the MSAG/ALI/GIS Analysis provided by VITA.

EVALUATION

How will the project as identified in the project description be evaluated and measured for achievement and success:

- 1.) Future VITA MSAG/ALI/GIS Analysis results in will be compared to the current 2016 analysis results, which serve as a baseline.
- 2.) Before and after sampling of the data will take place to ensure that the results are as promised.



CONSOLIDATION (Primary or Secondary) - (complete only 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



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

How should it be funded:

n/a

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

n/a