

FY12

PSAP GRANT PROGRAM APPLICATION



VIRGINIA INFORMATION
TECHNOLOGIES AGENCY
Integrated Services Division
FY12



FY12 PSAP GRANT PROGRAM APPLICATION

HOW TO APPLY/DEADLINE

The grant application will be available and accessible from VITA's Integrated Services Program's website (<http://www.vita.virginia.gov/isp/>). Upon completion of the application, it is to be submitted to the PSAP Grant Manager, Lisa Nicholson, at lisa.nicholson@vita.virginia.gov. Any supporting documentation must also be submitted along with the application.

After submission, the PSAP Grant Manager will assign a Grant ID and send an e-mail notification to the project contact e-mail address listed on the application received.

All funding requests must be submitted using the grant application. In addition to the grant application reference manual, technical assistance is available from VITA's Public Safety Communications (PSC) staff throughout the grant process. The FY12 PSAP Grant Application Cycle deadline is December 22, 2010 at 11:59 pm.



FY12 PSAP GRANT APPLICATION

PROJECT TITLE

PSAP Mapping Software Replacement and Supporting GIS Conversion Project

GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: Southampton County, Virginia

CONTACT TITLE: Chief Communications Officer

CONTACT FIRST NAME: Jerry

CONTACT LAST NAME: Smith

ADDRESS 1: Post Office Box 70

ADDRESS 2: 22336 Main Street

CITY: Courtland

ZIP CODE: 23837

CONTACT EMAIL: jsmith@shso.org

CONTACT PHONE NUMBER: 757-653-2100

CONTACT MOBILE NUMBER: 757-653-8080

CONTACT FAX NUMBER: 757-653-9452

REGIONAL COORDINATOR: Lyle Hornbaker

HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

Southampton County

_____	_____
_____	_____
_____	_____
_____	_____

GRANT TYPE

Individual PSAP

Regional Initiative

Consolidation

Secondary Consolidation



GRANT PROGRAM TYPE

- Wireless E-911 PSAP Education Program
 Continuity and Consolidation Enhancement

TIER

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 Technically Outdated Strengthen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

PROJECT FOCUS MAPPING

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

FINANCIAL DATA

Amount Requested: \$ 150,000

Total Project Cost: \$ 150,716

STATEMENT OF NEED

Southampton County is seeking new, vendor-supported PSAP mapping software and a supporting, sustainable GIS database. Currently, the County has an out of date GIS addressing base and technically out-dated, non-vendor supported mapping. The impact on operational services for the County will be continued use of a non-supported system in which 9-1-1 addressing is not updated in the mapping display, and citizen calls may go un-located. The County does not currently have the budget funds to complete this crucial PSAP mapping upgrade and supporting GIS without grant funding. The County does not have the ability to move to a new mapping system without converting the supporting GIS data to an updated ESRI format.



The County does not currently have funding available for the initial replacement of the 9-1-1 mapping and GIS data conversion, however they will be able to budget maintenance fees for the systems starting in year 2 of the project.

COMPREHENSIVE PROJECT DESCRIPTION

FOR WIRELESS E-911 PSAP EDUCATION PROGRAM GRANT REQUESTS:

Describe how the education/training is 9-1-1/public safety communications specific and how this will benefit E-911 and the employee(s) and/or PSAP.

[Click here to enter text](#)



FOR CONTINUITY AND CONSOLIDATION OR ENHANCEMENT PROJECTS:

In this five phase project, the County will assess its current position with a consultant, re-establish its base 9-1-1 layers, implement GIS and GPS tools that will enable it to maintain the data in the future, and implement the PSAP mapping software that will be used by the call takers and dispatchers. The nature of these project phases allow some project tasks to be done simultaneously, and are described below:

Phase 1 – Existing Data Assessment. The County will work with a consultant to determine what data can be successfully migrated from existing CAD, coverage and shapefile structures to a database, design a database schema, and ensure that current GIS infrastructure can support GIS data and tools. Any inadequacies in infrastructure/equipment resulting from this assessment will not be addressed in this grant because it does not meet criteria.

Phase 2 – Existing Data Migration. 9-1-1 data that is currently unsupported in CAD, coverage, and shapefile identified in Phase 1 will be migrated into the new database format. Data migration will include the ESRI GDB development, transformation of data format to GDB format, QA/QC of the resulting data, incorporation of attributes necessary to support E-911 mapping, and data maintenance work process setup.

Phase 3 – GIS Data Maintenance Tools, Training. Southampton will test, select, and purchase off the shelf GIS data maintenance tools. The County does not currently have tools in house that enable the addressing or centerline maintenance. The selected vendor will provide on-site training for 3 seats/individuals using addressing tools.

Phase 4 – GPS Data Maintenance Tools, Training. Southampton will test, select, and purchase off the shelf GPS equipment and software to enable address and centerline maintenance in the field. The County does not currently have the ability to collect data and import/export directly into GIS and consequently the PSAP. The selected vendor will provide on-site training for the equipment and software.

Phase 5 – PSAP Mapping Software, Implementation. Southampton will select and purchase vendor-supported dispatch mapping software that specifically supports and interfaces with ESRI GIS geodatabase implemented in Phases 1-4 above. The software will enable GIS data to flow from the GIS to the PSAP and be easily used by call takers. The selected vendor will provide implementation services and training.



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 checked="" type="checkbox"/> INITIATION (Project approved by appropriate stakeholders)	08 / 12 / 11
<input checked="" type="checkbox"/> DESIGN/PLANNING (Project, system, or solution requirements are developed)	09 / 02 / 11
<input checked="" type="checkbox"/> ACQUISITION (Selected system or solution is procured)	10 / 07 / 11
<input checked="" type="checkbox"/> IMPLEMENTATION (Selected system or solution is configured and installed)	11 / 11 / 11
<input checked="" type="checkbox"/> TESTING/COMPLETION (Selected system or solution is tested and put in production)	11 / 25 / 11

Identify the longevity or sustainability of the project.

It is anticipated that the GIS data and mapping software will be sustainable by the mapping vendor and the County unless there is a significant industry change. The County is prepared to provide all funding required for this project beyond the initial amount provided through this grant.



Describe how this project supports the Virginia Statewide E-911 Strategic Comprehensive Plan.

This project supports the Virginia Statewide E-911 Strategic Comprehensive Plan. Southampton County is trying to meet Goal A from Section 2.2 of the Strategic Goals. Goal A is to provide a standard level of emergency response service to the public, which is further described as providing consistent emergency response services to anyone residing in or passing through the Commonwealth. The County currently cannot guarantee that to its citizens due to its unsupported mapping software which is not up to date for citizen structure points. This means that Southampton cannot “receive, process, and dispatch calls in a dependable and repeatable manner.”

REGIONAL INITIATIVE (if applicable)

The relationship of the initiative to the participating PSAPs:

[Click here to enter text](#)

Intended collaborative efforts:

[Click here to enter text](#)



Resource sharing:

Click here to enter text

How does the initiative impacts the operational or strategic plans of the participating agencies:

Click here to enter text

CONSOLIDATION (Primary or Secondary) - (if applicable)

How would a consolidation take place and provide improved service:

Click here to enter text



How should it be organized and staffed:

Click here to enter text

What services should it perform:

Click here to enter text

How should policies be made and changed:

Click here to enter text

How should it be funded:

Click here to enter text



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

[Click here to enter text](#)

BUDGET AND BUDGET NARRATIVE

[Click here to enter text](#)

<u>Phase</u>	<u>Description</u>	<u>EstimatedCost</u>
1	<i>Existing Data Assessment</i>	<i>\$4,000</i>
	Existing data assessment funds for a vendor to evaluate the data and prepare for its migration to an ESRI geodatabase and design a database to meet migrated data requirements as well as new PSAP mapping.	
2	<i>Existing Data Migration to ESRI Geodatabase</i>	<i>\$36,500</i>
	Existing data migration funds for a vendor to migrate the County's current CAD, Coverage and Shapefile data to the newly designed ESRI geodatabase.	
3	<i>GIS Data Maintenance Tools, Training</i>	<i>\$12,000</i>
	Funds for the GIS data maintenance and necessary training.	
4	<i>GPS Data Maintenance Tools, Training</i>	<i>\$13,250</i>
	Funds for the purchase, implementation, and training on new GPS data	
5	<i>PSAP Mapping Software</i>	<i>\$84,966</i>
	Funds for the purchase, implementation, and training on new PSAP mapping software.	

EVALUATION



Overall, this project's success will be measured by the amount of improvement in location and provision of emergency services resulting from improved local data. Milestones for measuring project progression and success include:

- 1 Existing Data Assessment
 - a CAD, Coverage, and Shapefile
 - b Database Design
- 2 Existing Data Migration
 - a Data Migration
 - b Migration QA/QC
- 3 GIS Maintenance Tools
 - a Evaluate Potential Tools
 - b Select and Purchase Tools
 - c On-Site Training and Implementation
- 4 GPS Maintenance Tools and Equipment
 - a Evaluate Potential Tools
 - b Select and Purchase Tools and Equipment
 - c On-Site Training and Implementation
- 5 PSAP Mapping Software
 - a Evaluate Potential Software
 - b Select and Purchase Software
 - c On-Site Training and Implementation



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"