

PSAP GRANT PROGRAM APPLICATION



FY13 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 the PSAP Grant Manager, Lisa Nicholson, at lisa.nicholson@vita.virginia.gov. Any supporting documentation must also be submitted along with the application, including mandatory budgets for projects (if applicable).

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. Technical assistance is available from VITA's Public Safety Communications (PSC) staff throughout the grant process. The FY13 PSAP Grant Application Cycle starts July 1, 2011 and concludes on October 31, 2011 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.

FY13 PSAP GRANT APPLICATION

PROJECT TITLE

Mapping and GIS Upgrade for PSAP in Buckingham County

GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: Buckingham County

CONTACT TITLE: E-911 Coordinator

CONTACT FIRST NAME: Kevin

CONTACT LAST NAME: Flippen

ADDRESS 1: 13360 West James Anderson Hwy

ADDRESS 2: [Click here to enter text](#)

CITY: Buckingham

ZIP CODE: 23921

CONTACT EMAIL: kflippen@buckinghamcounty.virginia.gov

CONTACT PHONE NUMBER: 434-969-7734

CONTACT MOBILE NUMBER: 434-392-7774

CONTACT FAX NUMBER: 434-969-1638

REGIONAL COORDINATOR: Stefanie McGuffin

HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

Buckingham County

_____	_____
_____	_____
_____	_____
_____	_____

GRANT TYPE

Individual PSAP

Consolidation

Regional Initiative

Secondary Consolidation

STATEMENT OF NEED

Buckingham County is seeking to create an up to date and sustainable GIS database to support our 9-1-1 address locating and map display. The County does not currently have the budget funds to complete this project without grant funding and does not currently have tools necessary to complete this work and maintenance without support and tool purchases. The Buckingham County PSAP utilizes the GIS mapping daily. The emergency responders rely heavily on this mapping technology to locate incidents. Accurate data is imperative for emergency responders. A crucial element of 911 PSAP operations is to ensure the GIS map data, ALI database, and MSAG are maintained properly for accurate 9-1-1 call plotting. This grant project will provide Buckingham County with industry standard hardware and software necessary to keep the GIS data up-to-date. Additionally, our current Eagle mapping system is non-vendor supported and is based on obsolete Map Objects technology. The newer ArcObjects based system will improve automated call plotting through the use of GeoLocators. The New system will also improve maintenance procedures through the use of Geo-Database both in Dispatch and in the Addressing office through the use of the new addressing tools.

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

GIS and GPS tools will be used in the future to maintain 9-1-1 critical data required by the PSAP. The tools purchased through this project will be maintained by the County and in the future be funded from its own budget. With the maintenance tools, the County will be able to maintain its addressing and centerline data from within the office as well as GPS addressing and centerline creation/ranging in the field which we currently cannot complete.



COMPREHENSIVE PROJECT DESCRIPTION

WIRELESS E-911 PSAP EDUCATION PROGRAM GRANT REQUESTS ONLY:

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:

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 goals and objectives of this upgrade it to first and foremost be able to maintain a mapping system in our PSAP. We will be upgrading the Dispatch Mapping System (MSAG's Eagle) based on obsolete Map Objects technology to a newer ArcObjects based system which will improve automated call plotting through the use of GeoLocators. This will create a smooth flow of information from the GIS to the PSAP Mapping System and increase our accuracy. We will ensure quality training for our Dispatchers and GIS personnel. A systematic approach to the installation ensuring the least amount of disruption to our existing, ongoing operations will be used. There will be a quality project management process in place. This will include quality control and pre-installation coordination. At contract signing the current GIS map data, ALL databases and MSAG maintenance and addressing for the county will be reviewed. After this is accomplished the consultants will provide preliminary copies of the updated maintenance workflow to be reviewed. Any changes will be worked out and a final maintenance workflow discussion and document deliverable will occur during our Maintenance Workflow Training session. After the conversion contract is in place on site installation will begin. The old software will be uninstalled and the new software will be installed and configured causing the least amount of disruption possible. After installation onsite training will begin and an Acceptance Testing Plan (ATP) will be used to test all aspects of the product and its performance. Software and hardware support and maintenance are also provided. Buckingham County will sustain and maintain this project well into the future.

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 type="checkbox"/> INITIATION (Project approved by appropriate stakeholders)	11 / 30 / 2011
<input type="checkbox"/> DESIGN/PLANNING (Project, system, or solution requirements are developed)	12 / 15 /2011



<input type="checkbox"/> ACQUISITION (Selected system or solution is procured)	4 / 15 / 2012
<input type="checkbox"/> IMPLEMENTATION (Selected system or solution is configured and installed)	6 / 15 / 2012
<input type="checkbox"/> TESTING/COMPLETION (Selected system or solution is tested and put in production)	6 / 30 / 2012

Identify the longevity or sustainability of the project.

The County of Buckingham has the intentions of using the new mapping systems for a minimum of 5 years. Additionally, Buckingham County foresees this project being indefinite depending on the level of support and service received from the vender. Buckingham County will sustain the project after the initial two (2) contract has been signed, and will continue to supporting as we have continue to support the current vender.

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

If funded this project will allow us to upgrade our mapping system which will in-turn provide our citizens better 911 service through our dispatch center. This will include timely updates to our mapping service which will allow for consistent locating and response to 911 calls. Our current mapping provider (MSAG) has not provided the level of support needed to maintain the 911 service that citizens of Virginia would expect and deserve when placing a 911 call in Buckingham County. Additionally, this project has outpaced our current provider with technological advancements that will enhance emergency response efforts

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:

How should it be organized and staffed:

What services should it perform:

How should policies be made and changed:

How should it be funded:

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

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:

Buckingham County respectfully submits the following narrative description of the proposed budget in its application for FY12 PSAP grant funding. This project will be used to provide service for GIS mapping capability, connectivity that is needed on a daily basis at Buckingham County PSAP. Funding supports all phases of upgrading technically out of date equipment for the primary mapping servers and workstations. The grant request totals \$155,123 This includes:

GIS Tools					
Description	Quantity	One Time Fee	Annual Fee	Installation & Training	Total Price
GeoLynx DMS (GIS, MSAG & Mobile) • (GeoXH 6000 w/ Floodlight)	1	\$19,195	\$2,100		\$21,295
GeoLynx DMS Training	1			\$4,983	\$4,983
ArcView Software	1	\$0			\$0
Estimated GIS Tools Total					\$26,278
GIS Tools Extended Maintenance					
Description				Year 2	Total
GeoLynx DMS				\$2,205	\$2,205
Estimated GIS Tools Extended Maintenance Total					\$2,205
9-1-1 Mapping Display					
Description	Quantity	One Time Fee	Annual Fee	Installation & Training	Total Price
GIS Data Setup	1	\$1,950			\$1,950
GIS/MSAG/ALI Data Analysis	1	\$1,375			\$1,375
GeoLynx Server (Passive Redundant)	1	\$53,197	\$12,312	\$8,767	\$74,275
GeoLynx Server Dispatch Modules	3	\$13,500	\$2,499	\$1,100	\$17,099
Backup Server Installation	1	\$1,000			\$1,000
GeoComm CAD Interface	1	\$830	\$150		\$980
Maplex Extension (ESRI)	1	\$2,500			\$2,500
DaPro CAD Interface	1	\$7,500	\$2,500		\$10,000
Estimated 9-1-1 Mapping Display Total					\$109,179



BUDGET AND BUDGET NARRATIVE (continued)

9-1-1 Mapping Display Extended Maintenance		
Description	Year 2	Total
GeoLynx Server	\$12,312	\$12,312
GeoLynx Server Dispatch Modules	\$2,499	\$2,499
GeoComm CAD Interface	\$150	\$150
DaPro CAD Interface	\$2,500	\$2,500
Estimated 9-1-1 Mapping Display Extended Maintenance Total		\$17,461
Estimated Software and First Year Maintenance Total		\$135,457
Estimated Extended Maintenance Total		\$19,666
Estimated Project Grand Total		\$155,123

EVALUATION

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

Evaluation of the success of Buckingham County's Mapping Support project will include demonstration that the three (3) new mapping desktops and back-room mapping server, as well as the GeoLynx 9-1-1 software upgrade, have been purchased, installed, and are operational within the PSAP, providing the essential function of mapping support to the Buckingham County dispatchers including the accurate plotting of E-911 calls on a digital map of the County.



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"