

FY12

# PSAP GRANT PROGRAM APPLICATION



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## **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](mailto: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

**Fluvanna County Mapping System Replacement**

### GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: Fluvanna County

CONTACT TITLE: Director of Communications

CONTACT FIRST NAME: Tammy

CONTACT LAST NAME: Johnson

ADDRESS 1: PO Box 113

ADDRESS 2: 160 Commons Blvd

CITY: Palmyra

ZIP CODE: 22963

CONTACT EMAIL: tjohnson@fluvannasheriff.com

CONTACT PHONE NUMBER: 434-591-2005

CONTACT MOBILE NUMBER: 434-981-1302

CONTACT FAX NUMBER: 434-591-2006

REGIONAL COORDINATOR: Stefanie McGuffin

### HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES




**GRANT TYPE**

- X Individual PSAP
- Consolidation

- Regional Initiative
- Secondary Consolidation

**GRANT PROGRAM TYPE**

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

**TIER**

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- Technically Outdated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

**PROJECT FOCUS** Primary mapping system servers and workstations  
GIS

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

**FINANCIAL DATA**

Amount Requested: \$ 149,407  
Total Project Cost: \$ 149,407



## 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. Additional items to discuss that referenced need should include: impact on operational services; consequences of not receiving funding; inclusion of project in a long-term or a strategic plan; and local sustainability:

Fluvanna County (PSAP) is seeking funding for a project to replace our dispatch mapping system. The current system is MapObject (MO) based and uses ERSI Shapefile data format. This request aligns with the grant matrix under the Continuity and Consolidation Program as “High Priority”, in the Data, GIS Tools, Data Transfer and 9-1-1 Mapping Display categories.

Given the current budget crisis Fluvanna County does not have sufficient funds for this project; therefore funds are being requested from a grant source.

This replacement would greatly enhance our operational services by providing the following:

- Migration from ESRI MapObject (MO) to ESRI ArcObjects (AO)
- Using “GeoDatabase” technology in the PSAP
- No longer needing to convert GIS Data from AO in GIS or MOR for the PSAP
- Will utilize the latest ERSI Technology for the PSAP
- Provide a sustainable means of over all maintenance
- Provide needed vendor support
- Seamlessly integrate our Pictometry mapping into a dispatch environment

Should this project not be funded we will have to continue to use a stagnant product with little to no technical support from the vendor. We will also have to pay additional cost to integrate our Pictometry mapping, find local funds to pay for an upgrade that will not provide more updated technology and/or services, and to utilize as system which is non-vendor supported.

If this request is funded it will assist in the Commonwealth’s long-term plan of interoperability by having technology in place that will allow our PSAP to move mapping information from one PSAP to another thereby improving emergency services to citizens of the Commonwealth.

Once this project is implemented, local sustainability will be accomplished with local funds through the yearly budget process, and with the mapping vendor providing long-term support and maintenance.



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

The new mapping system is ArcObject based will replace the existing MapObject system as a one-time cost. The project includes a 5 year support and maintenance plan for software as allowed through the grant guidelines. The project also includes a 4 year hardware warranty for workstation hardware.

The PSAP will work with the vendor to ensure no separate maintenance or support is required. Once the 5 year period has expired the County will maintain the system through the use of local funds as an annual expense.

The County PSAP will also assist in maintaining the system by providing the local IT support services necessary and will work with the vendor in order to ensure proper resource, hardware and GIS data is provided.



## 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.  
N/A

### 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.

This project involves replacing current technically outdated MapObjects/Shapefile based dispatch mapping system with an up-to-date ArcObjects/GeoDatabase mapping system. This project also includes a bi-directional CAD to Mapping integration via a software solution.

Goal 1:

Replace non-vendor supported/technically outdated mapping solution.

Objective 1:

Implement ESRI ArcObject and GeoDatabase technology in PSAP

Objective 2:

Implement bi-directional CAD to Mapping integration, allowing communication between systems.

Objective 3:

Integration of Pictometry mapping software

Implementation strategy:

- Once funding is approved, separation notice to current vendor
- Being working with new vendor on:
  - o Contract review
  - o Equipment order
  - o Installations
  - o Training

Work plan:

The PSAP will work with the new vendor to establish a work plan. The plan will include the following:

- Project review and kick-off
- Project timelines
- Benchmarks and goals
- Implementation
- Acceptance Test Plan



### 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
<b>X INITIATION</b> (Project approved by appropriate stakeholders)	12 / 22 / 10
<b>X DESIGN/PLANNING</b> (Project, system, or solution requirements are developed)	07 / 01 / 11
<b>X ACQUISITION</b> (Selected system or solution is procured)	08 / 01 / 11
<b>X IMPLEMENTATION</b> (Selected system or solution is configured and installed)	11 / 30 / 11
<b>X TESTING/COMPLETION</b> (Selected system or solution is tested and put in production)	12 / 31 / 11

Identify the longevity or sustainability of the project.

As a required part of the PSAP Phase II, Phase I and Wireline Enhanced 9-1-1 services, this project will provide a mapping solution that will be utilized every day.

The PSAP will work with the new vendor in order to sustain the system through software/hardware support and maintenance as well as new version releases and enhancements.



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

If approved, this grant will allow our PSAP to migrate to a mapping system that will enhance first responder service to the citizens of the Commonwealth by utilizing a system that is more technically advanced than the current system (MSAG). It will also allow our PSAP to receive more timely updates to the mapping system, there by being able to provide the most current information to police/fire/EMS units in the field. The new mapping system will allow our PSAP to move forward as Next Gen 911 moves forward by having a mapping system using the most current technology.

**REGIONAL INITIATIVE (if applicable)**

The relationship of the initiative to the participating PSAPs:

N/A



<p>Intended collaborative efforts:</p> <p>N/A</p>
<p>Resource sharing:</p> <p>N/A</p>
<p>How does the initiative impacts the operational or strategic plans of the participating agencies:</p> <p>N/A</p>

**CONSOLIDATION (Primary or Secondary) - (if applicable)**

<p>How would a consolidation take place and provide improved service:</p> <p>N/A</p>
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<p>How should it be organized and staffed:</p> <p>N/A</p>
<p>What services should it perform:</p> <p>N/A</p>
<p>How should policies be made and changed:</p> <p>N/A</p>
<p>How should it be funded:</p> <p>N/A</p>



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

N/A

**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.) Briefly explain the reason for each requested budget item and provide the basis for its cost:

See attached vendor quotes.



## EVALUATION

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

The Fluvanna County PSAP will evaluate and measure the achievement of this project by working with a third party vendor.

The PSAP will require that the vendor:

- Establish timelines, goals and benchmarks for this data development
- To implement a project implementation document outlining each phase and when each phase is completed
- Follow a payment schedule which coincides with phase of implementation
- Develop and initiate an acceptance plan

In addition the PSAP will require that a portion of payment be withheld until the project has been completed and the acceptance test plan has been finalized and signed by the PSAP.



## 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"

# GeoComm Budgetary Quote

Description	One Time Cost	Annual Fees	Installation & Training	Total
1 Services	\$2,613			\$2,613
2 GIS Datafield correction (FL, TL, FR, TR)	\$5,500			\$5,500
3 GeoLynx Sync Basic	\$5,775	\$1,250	\$3,300	\$10,325
4 GeoLynx DMS	\$5,060	\$200	\$1,995	\$7,255
5 GeoLynx 9-1-1	\$26,395	\$6,000	\$4,900	\$37,295
6 GeoComm CAD Interface	\$3,652	\$600		\$4,252
8 DaPro CAD Interface	\$8,250	\$1,500		\$9,750
7 Address Maintenance		\$3,850		\$3,850
8 ArcGIS (ArcView)	\$1,500			\$1,500

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## Extended Support and Maintenance

Description	Year 2	Year 3	Year 4	Year 5	Total
GeoLynx Sync Basic	\$1,250	\$1,313	\$1,378	\$1,447	\$5,388
GeoLynx DMS	\$200	\$210	\$221	\$232	\$862
GeoLynx 9-1-1	\$6,000	\$6,300	\$6,615	\$6,946	\$25,861
GeoComm CAD Interface	\$600	\$630	\$662	\$695	\$2,586
DaPro CAD Interface	\$1,500	\$1,575	\$1,654	\$1,736	\$6,465
Address Maintenance	\$3,850	\$4,043	\$4,245	\$4,457	\$16,594
					<b>Extended Maintenance Total</b>
					\$57,756

**Total** **\$82,339**

Including first year's Support and Maintenance

**Total** **\$140,095**

Including Extended Support and Maintenance

0.1

0.05



# SALES QUOTATION

QUOTE NO.	ACCOUNT NO.	DATE
BWMR488	4299310	12/22/2010

**BILL TO:**  
 COUNTY OF FLUVANNA  
 PO BOX 540

**SHIP TO:**  
 COUNTY OF FLUVANNA  
 Attention To: Tammy Johnson  
 PO BOX 540

Accounts Payable  
 PALMYRA , VA 22963-1001

PALMYRA , VA 22963-1001  
 Contact: Tammy Johnson

Customer Phone #434.589.3138

Customer P.O. # BWMR488

ACCOUNT MANAGER		SHIPPING METHOD	TERMS	EXEMPTION CERTIFICATE
MIKE PINTO 866.850.5724		FedEx Ground	Request Terms	GOVT-EXEMPT
QTY	ITEM NO.	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
6	1976979	LVO TS E20 660 500GB 4GB W7P DVR Mfg#: LVO-421511U Contract: MARKET	1,420.00	8,520.00
6	2068338	SVN 4Y DSKTP (1201-2000)DOP Mfg#: SVN-126424 Contract: MARKET	132.00	792.00
		SUBTOTAL		9,312.00
		FREIGHT		0.00
		TAX		0.00

US Currency  
**TOTAL 9,312.00**

CDW Government  
 230 North Milwaukee Ave.  
 Vernon Hills, IL 60061  
 Phone: 847.371.5000

Fax: 847-None

**Please remit payment to:**  
 CDW Government  
 75 Remittance Drive  
 Suite 1515  
 Chicago, IL 60675-1515