

FY16

PSAP GRANT PROGRAM APPLICATION



VIRGINIA INFORMATION
TECHNOLOGIES AGENCY
Integrated Services Division



FY16 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 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 FY16 PSAP Grant Application Cycle starts July 1, 2014 and concludes on September 30, 2014 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.



FY16 PSAP GRANT APPLICATION

PROJECT TITLE

Warren County E911 GPS Unit

GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: Warren County E911 Communications Center

CONTACT TITLE: GIS Coordinator

CONTACT FIRST NAME: Doug

CONTACT LAST NAME: Sexton

ADDRESS 1: 220 N. Commerce Ave

ADDRESS 2: Suite 400

CITY: Front Royal

ZIP CODE: 22630

CONTACT EMAIL: dsexton@warrencountyva.net

CONTACT PHONE NUMBER: 540-636-3354

CONTACT MOBILE NUMBER: 2T

CONTACT FAX NUMBER: 540-636-4698

REGIONAL COORDINATOR: Amy Ozeki

HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

Warren County E911 Communications Center	Warren County
	Front Royal

GRANT TYPE

- Individual PSAP
- Regional Initiative
- Secondary Consolidation
- Shared Services
- Consolidation
-



GRANT PROGRAM TYPE

- Continuity and Consolidation Enhancement

TIER

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 Technically Outdated* Strengthen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

If technically outdated or non-vendor supported, application MUST include age and/or version of hardware/software.

VERSION: Juno Handheld ST; Terrasync 3.21 & Pathfinder Office 3.1
YEARS of HARDWARE/SOFTWARE: 7-9

PRIORITY/PROJECT FOCUS GIS: HIGH PRIORITY

If "Other" selected, please specify: 2T

FINANCIAL DATA

Amount Requested: \$ 12,360.00
Total Project Cost: \$ 12,360.00



STATEMENT OF NEED

Characterized as high priority in the GIS-Related priority matrix under GIS Tools, facilitating the distribution of critical E911 GIS data to the PSAP such as valid road centerlines, address points, building footprints, access drives, and trails requires the utilization of a viable and accurate GPS device. The hardware and software tools available for this process are outdated, non-functional, and not supported within existing IT framework leading to approximation of this data, and large margins for error. These limitations have prevented building footprints and driveways to even be considered within GIS data. In an area that has such a significant amount of woodlands, mountainous terrain, streams, and therefore recreational activity, the existence and integrity of this data becomes paramount for locating wireless callers. Keeping in mind the advent of Next Gen 911 technology relaying information to responders based on location and accuracy of GIS data, it is critical for the above mentioned features to be current, and not approximated or inaccurate.

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

Included within the grant request funds is a maintenance bundle to ensure that the devices both hardware & software have continued support. All objectives, processes and workflows will be documented and incorporated directly into the responsibilities of the GIS Coordinator for Warren County to ensure longevity of what will be accomplished through this grant.



COMPREHENSIVE PROJECT DESCRIPTION

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

Upon acquisition of funds & delivery of GPS device, e911 addressing for Warren County will evolve to a standardized, NENA compliant, efficient and accurate process with verifiable data documentation. Processes for MSAG mapbook updates, generation of road ranges, and e911 addressing will all benefit by highly accurate GPS data collections instead of approximations. Further, adding features currently unobtainable such as access drives, exact location of building footprints & address points, landmarks/hazards/trail markers etc. into the PSAP map display system for call takers to visualize in relation to calls will greatly improve communication efforts between call takers and responders. Regular meetings & communication between Warren County GIS Coordinator and PSAP will take place to ensure this process and quality of data continues to improve throughout the course of implementation.

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)	09 / 26 / 14
<input type="checkbox"/> DESIGN/PLANNING (Project, system, or solution requirements are developed)	07 / 01 / 15
<input type="checkbox"/> ACQUISITION (Selected system or solution is procured)	08 / 01 / 15



<input type="checkbox"/> IMPLEMENTATION (Selected system or solution is configured and installed)	08 / 01 / 15
<input type="checkbox"/> TESTING/COMPLETION (Selected system or solution is tested and put in production)	08 / 01 / 15

Identify the longevity or sustainability of the project.

Project longevity from a hardware device & software perspective should persist well into the next decade as evidenced by the age of the previous device, and at minimum guaranteed for 4 years beyond the warranty in lieu of the maintenance bundle included within the grant budget. This project also incorporates the idea of defining workflows & processes involving the equipment, and utilization of the equipment by the GIS Coordinator for Warren County for e911 purposes in conjunction with the PSAP. Therefore the position of the applicant carries the responsibilities of following through with these duties & workflows - adding tenure to the project beyond the individual applying for the grant. This insures that the quality of the GIS data being supplied to the PSAP can never stray from these standards as long as the device holds up.

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

This project directly supports the 2011 approved statewide comprehensive plan in multiple arenas. Standardizing & aiding processes for accurate GIS data collection directly result in enhanced information utilized by the PSAP in order to ensure that efforts to meet expectations for 911 emergency services are not hindered by inaccurate data. Higher integrity of road ranges, and e911 address assigning is paramount to this plan. Enhancements and additions of features listed in this application to the PSAP's map display system will provide call takers with better reference points to wireless calls. Data supplied to Virginias Road Centerlines project will also benefit the entire state of Virginia beyond the County of Warren. Next gen 911 implications as mentioned earlier will require precision in the location of GIS data.



SHARED SERVICES/REGIONAL INITIATIVE (if applicable)

The relationship of the initiative to the participating PSAPs:

2T

Intended collaborative efforts:

2T

Resource sharing:

2T



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

2T

CONSOLIDATION (Primary or Secondary) - (if applicable)

How would a consolidation take place and provide improved service:

2T

How should it be organized and staffed:

2T



What services should it perform:

2T

How should policies be made and changed:

2T

How should it be funded:

2T

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

2T



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.

See Attachment:

Hardware & software itemized on line 2, 3, & 4 which are required for the objectives listed within this application make up the subtotal less shipping & handling and assuming tax exemption. The request for \$12,360.00 also incorporates the need for line item 14 which is the 4 year hardware warranty extension referenced in longevity section of this application. Additional accessories such as a carrying case and screen protector bring the total to \$11,860.00 with the remaining \$500.00 reserved for contingency to include potential to extend maintenance on software. Note that line item 4 is an upgrade to existing GPS Pathfinder Office license supplied by Warren County Planning Department and results in savings of \$765.00 to the project.

EVALUATION

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

This project will be successful the moment that high accuracy data is obtained and transmitted to the PSAP. This is not only related to new roads and addresses going forward, but to correcting existing data as well and will over time result in County wide corrections essential for next gen 911 implications.



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"



DATE: 9/26/2014
 QUOTE IS VALID 30 DAYS
 QUOTATION #: 305521
 SALES REP: York Grow
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QUOTATION FOR SOLUTIONS

Doug Sexton
 County of Warren
 220 N Commerce Ave
 Front Royal, Va 22630
 540-636-3354
 Dsexton@warrencountyva.net

SEND PURCHASE ORDER TO:

Duncan-Parnell, Inc.
 305 Ashcake Rd., Suite K
 Ashland, Va 23005
 PH 804.368.7525
 FAX 804.496.6320

Line	Qty	Product #	Description	Unit Price	Extension
Geo 7X Series					
1		88180-04	Geo 7X Handheld H-Star	\$7,785.00	
2	1	88181-04	Geo 7X Handheld H-Star with Rangefinder Dual-frequency GNSS receiver; Floodlight technology and optional integrated laser rangefinder with Flightwave technology. Field rugged with sunlight readable 4.2" display, 1 GHz processor with 256MB RAM, 4 GB storage memory, Windows Mobile 6.5. GNSS positional accuracy of 10cm (4") post-processing, real-time accuracy of 75cm (30") to 10cm (4") depending on source. Bluetooth, Wi-Fi and 5 MP, autofocus digital camera, 3.5G cellular modem (GSM and Verizon).	\$8,735.00	\$8,735.00
Data Collector Software					
3	1	45955-VG	TerraSync Professional Edition Software Kit Field GPS software to allow for GPS and attribute data collection along with the ability to upload and update existing GIS raster and vector layers.	\$1,230.00	\$1,230.00
Desktop Data Processing Software					
4	1	34191-90	GPS Pathfinder Office software update This will upgrade an existing license of Pathfinder Office to the most current version, 5.6 and provide any additional updates from Trimble for one year.	\$850.00	\$850.00
OPTIONS (not included above):					
5		94916-00	Geo 7 Series Monopole Kit Telescoping monopole to hold Geo 7 stable and directly over feature; not for use with external antenna. Beneficial for use with rangefinder.	\$470.00	
6		88004-04	Extra Li-Ion Battery Pack (GeoExplorer 7X, 6000 series)	\$195.00	
7		88014-00	Extra AC Power Supply Kit (GeoExplorer 7X, 6000 series) The battery can be charged either in or out of the GeoExplorer unit. The AC charger can plug directly into the battery.	\$50.00	
8		88056-00	12V Vehicle Power Adapter	\$50.00	
9		93601-02	ScreenGuardz 4.2 antiglare screen protector (2-pack)	\$20.00	
10		88055-04	Extra Stylus Kit (GeoExplorer 7X, 6000 series)	\$20.00	
11		88055-04	Pelican Hard Carrying Case - Geo 7X system	\$135.00	
Extended Warranty Options					
12		47289-71	1 Year Hardware Warranty Extension (total of two years)	\$325.00	
13		47289-72	2 Year Hardware Warranty Extension (total of three years)	\$450.00	
14		47289-77	4 Year Hardware Warranty Extension (total of five years)	\$855.00	
Software Maintenance Extension beyond the initial year					
15		47288-71	1 YR for Pathfinder Office	\$295.00	
16		47288-71	1 YR for TerraSync Professional	\$295.00	

Sub Total \$10,815.00
 Shipping & Handling 35.00
 TOTAL \$10,850.00