



FY18

# PSAP GRANT PROGRAM APPLICATION



Steve McMurrer  
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](mailto: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

NG9-1-1 NGCS Additional Data Repository (ADR)

### GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: Fairfax County

CONTACT TITLE: Fairfax County 9-1-1 System Administrator

CONTACT FIRST NAME: Steve

CONTACT LAST NAME: McMurrer

ADDRESS 1: 4890 Alliance Drive

ADDRESS 2: Department of Public Safety Communications (DPSC)

CITY: Fairfax

ZIP CODE: 22030

CONTACT EMAIL: [steve.mcmurrer@fairfaxcounty.gov](mailto:steve.mcmurrer@fairfaxcounty.gov)

CONTACT PHONE NUMBER: 571-350-1779

CONTACT MOBILE NUMBER: 703-625-7227

CONTACT FAX NUMBER: 571-350-1669

REGIONAL COORDINATOR: Brian Crumpler

### HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES


### GRANT TYPE

xxxx  Individual PSAP

Shared Services



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Technically Outdated\*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**If technically outdated or non-vendor supported, application MUST include age and/or version of hardware/software.**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

# YEARS of HARDWARE/SOFTWARE:

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**PRIORITY/PROJECT FOCUS** CALL HANDLING EQUIPMENT

**FINANCIAL DATA**

Amount Requested: \$ 150,000

Total Project Cost: \$ 175,000



## 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:

This request is to provide Next Generation Core Services (NGCS) functionality for the Fairfax County Call Handling Equipment as allowable under the VITA grant guidelines (from Definitions of the FY18 PSAP grant guidelines, “NGCS are considered a part of the CHE project”). The purpose of this grant is to provide an NGCS Additional Data Repository (ADR) and supporting Identity Searchable ADR for Fairfax County to support call takers ability to discover relevant emergency information during a call to 9-1-1. The ADR and IS-ADR are defined as a part of NGCS in NENA-STA-010.2-2016, Detailed Functional and Interface Standards for the NENA i3 Solution (here referred to as NENA STA-010).

For persons with critical functional needs (oxygen requirements, sight or hearing or mobility limitations, etc.) Fairfax County desires to enhance all means of providing the most complete information to the 9-1-1 call taker at the time of an incoming call to 9-1-1. The NGCS ADR will provide capabilities to enhance the Fairfax County Call Handling Equipment (VESTA 9-1-1) in four primary ways: (1) An Additional Data Repository (ADR) – a respondent maintained customer profile data repository where a citizen can provide additional personal information they wish made known to public safety in case of an emergency, (2) An Identity Searchable Interactive Display (Is-ADR) – a capability provided to the 9-1-1 center allowing an incoming 9-1-1 call to be linked to the customer profile data in the ADR and to be displayable within the Call Handling Equipment, (3) Real Time Location Accuracy Device Information – enhanced methods and applications for citizens and residents of Fairfax County to download to their mobile devices that allow real-time geo-location information to be passed to the 9-1-1 center for improved location accuracy beyond the basic wireless network location capability (e.g., Phase 1 or Phase 2). (4) Functional Needs Search and Reporting – flexible search capabilities of the ADR that allow citizen functional needs to be cross-referenced and searched for emergency management planning purposes in times of need with multi-format output capabilities for use with other alerting systems or procedures. This grant funding would considerably enhance the capability of Fairfax County to serve a community of people (functionally disadvantaged persons) who feel their safety and needs might limit their ability to provide basic information to the 9-1-1 center in times of an emergency. By “pre-loading” profile information into an ADR that can be used during a 9-1-1 call, this new capability provides a more comprehensive set of offerings to serve the public need. The ADR and IS-ADR are consistent with local strategic movement toward NG9-1-1 and the elements of the proposed solution are consistent with the NENA STA-010 description of NGCS. Fairfax County will be able to sustain the project on an ongoing basis and some elements of the solution will be a part of the CHE maintenance the County will be paying for VESTA 9-1-1.





## PROJECT GOAL

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

The Fairfax County Board of Supervisors has mandated that Fairfax County DPSC provide a solution to the stated requirements of the 50+ Initiative and the Disability Services Board to improve the ability of the 9-1-1 center to have additional specific information available at the time of an emergency call. The proposed solution using the grant funding would meet that requirement established by the Board of Supervisors. The expected solution to be provided is a NG9-1-1 compliant solution and is an element of Next Generation Core Services (NGCS) that is referenced within the Virginia 9-1-1 Comprehensive Plan.

## PROJECT OBJECTIVES

Describe the objectives that will support the goals identified above:

- (1) Establish An Additional Data Repository (ADR) – a respondent maintained customer profile data repository where a citizen can provide additional personal information they wish made know to public safety in case of an emergency,
- (2) Establish An Identity Searchable Interactive Display (Is-ADR) – a facility provided to the 9-1-1 center allowing an incoming 9-1-1 call to be linked to the customer profile data in the ADR and to be displayable within the Call Handling Equipment,
- (3) Provide Citizens a Real Time Location Accuracy Capability – enhanced methods and applications for citizens and residents of Fairfax County to download to their mobile devices that allow real-time geo-location information to be passed to the 9-1-1 center for improved location accuracy beyond the basic wireless network location capability (e.g., Phase 1 or Phase 2).
- (4) Establish Functional Needs Search and Reporting – flexible search capabilities of the ADR that allow citizen functional needs to be cross-referenced and searched for emergency management planning purposes in times of need with multi-format output capabilities for use with other alerting systems or procedures



**SHARED SERVICES (if applicable)**

Describe the relationship of the project to the participating PSAPs:

This is a project for Fairfax County only.

Describe the intended collaborative efforts and resource sharing opportunities:

N/A



**IMPLEMENTATION PLAN  
SHARED SERVICES & INDIVIDUAL PSAP APPLICATIONS:**

For each applicable phase of the project, indicate the planned completion date.

<b>PROJECT PHASE</b>	<b>PLANNED COMPLETION DATE</b>
<b>INITIATION</b> – 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.	<b>01 / 01 / 17</b>
<b>DESIGN/PLANNING</b> - Requirements are documented, components to be purchased are identified, and general design is documented.	<b>02 / 01 / 17</b>
<b>ACQUISITION</b> - RFP (or other bid related processes) are drafted, proposals are evaluated, contract is signed, purchase orders are issued, and quotes are obtained.	<b>07/ 01 / 17</b>
<b>IMPLEMENTATION</b> - Purchased components are delivered and installed and training is performed	<b>09 / 01 / 17</b>
<b>TESTING/COMPLETION</b> - Performance of system/solution is validated and system/solution goes “live”	<b>11 / 01 / 17</b>



## 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.

**NOTE:** In lieu of a line item breakdown, an itemized cost schedule or detailed vendor prepared quote may be submitted as an attachment, but a narrative is still required. 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.

The total estimated cost for the project is \$175,000. \$130,000 of the cost is an annual recurring license for the ADR and the Enhanced Location software that will be made available free to County Residents. It is estimated that the project expenses to cover the initial implementation of the project is \$45,000.

## EVALUATION



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

The project will be evaluated on several measures to include location accuracy measurements of test calls made with and without the proposed solution components. Also, sign-up rates for citizens using capabilities such as an ADR are generally low (less than 1%) so the project will measure the sign up rate to track whether the most interested populations (functionally disadvantaged) show an interest in using these advanced capabilities. Also, the sign up rates for citizens (non-functionally disadvantaged) who just wish to provide 9-1-1 additional data will be measured. The MIS capabilities to support emergency management functional needs reporting can also be evaluated to determine the utility of the proposed solution's capabilities.



**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