

FY16

**PSAP GRANT PROGRAM
APPLICATION**



**Fairfax County
Recording System Refresh**

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

Fairfax County Recording System Refresh

GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: Fairfax County
 CONTACT TITLE: 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
 CITY: Fairfax
 ZIP CODE: 22030
 CONTACT EMAIL: steve.mcmurrer@fairfaxcounty.gov
 CONTACT PHONE NUMBER: 571-350-1779
 CONTACT MOBILE NUMBER: 571-385-6144
 CONTACT FAX NUMBER: 571-350-1669
 REGIONAL COORDINATOR: Brian Crumpler

HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

Fairfax County

_____	_____
_____	_____
_____	_____
_____	_____

GRANT TYPE

- | | |
|---|--|
| <input checked="" type="checkbox"/> Individual PSAP | <input type="checkbox"/> Shared Services |
| <input type="checkbox"/> Regional Initiative | <input type="checkbox"/> Consolidation |
| <input type="checkbox"/> Secondary Consolidation | <input type="checkbox"/> |



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- Technically Outdated* Strengthen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If technically outdated or non-vendor supported, application MUST include age and/or version of hardware/software.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

YEARS of HARDWARE/SOFTWARE:

PSTOC- Primary Site - The Digital Voice Recording System consists of a networked system of Audiolog Version 5.0 digital voice loggers running on Audiolog 3000 Series Chassis, all manufactured by Verint Systems. This networked system of voice loggers were installed in December 2008. The solution includes a Centralized Archive Storage System, integration to Intergraph CAD system, and Quality Assurance.

Manufacture – Verint Systems

Hardware – Audiolog 3000 Series Chassis

Software – Audiolog v4 SP3 Hotfix Rollup 001(08/25/09) , Windows Server 2003 R2

Notes: All server images re-installed on 08/25/09 (hardware delivered prior to this date).

Major Software release update to Audiolog v5 SP2 on 06/30/13

Pine Ridge – Alternate Site - The Digital Voice Recording System consists of a networked system of Audiolog Version 4.0 digital voice loggers on an Audiolog Ultra Platform, all manufactured by Verint Systems. The solution also includes local Centralized Archive Storage System. This solution was installed in October 2004.

Manufacture – Verint Systems

Hardware – Audiolog Ultra Platform

Software – Audiolog v4 SP2 (02-27-09) , Windows Server 2003 R2

Notes: KOVA site reconfiguration updates existing Audiolog v3.2RTP servers to Audiolog v4 on 02/27/09.

PRIORITY/PROJECT FOCUS VOICE RECORDER

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

FINANCIAL DATA

Amount Requested: \$ 150,000.00

Total Project Cost: \$ 315,690.20



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, along with additional information on the impact on operational services; consequences of not receiving funding; inclusion of project in a long-term or a strategic plan; and local sustainability:

Fairfax's existing voice recording system has been identified as needing refreshing due to its number of installed years and also because of the increased incidence of VOIP calls that will occur with the 2015/2016 implementation of a new CPE Telephony platform. The current system needs to be upgraded at the primary site and alternate site to include VOIP based interfaces. There is not funding for the recorder in the local budget or in any existing capital improvement projects.

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

Fairfax has a budget for maintenance support of the recording system and will adjust that budget to account for the new equipment. Fairfax has current support contracts for its recording system and would utilize or extend those support contracts to provide continued maintenance. Through local funding, the CPE will be sustained in the future through a County managed maintenance agreement. The County has demonstrated its desire and ability to manage maintenance support over many years. It has, in the past, provided funding and support without grant funding tied to its CPE or provided for its CPE's main purchase upgrade conducted six (6) years ago.



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.

This project will include the conversion of the existing digital set-tapping interfaces of the Verint system to VOIP based interfaces so that audio capture will occur with the new CPE Telephony platform Fairfax is procuring to replace its existing CPE. It will include licenses to continue to record analog trunks and will upgrade the Centralized Archive Storage (CAS) servers (one at the primary site and one at the alternate site) to Blu-Ray drives for increased performance.

The logging recorder replacement project is part of the CPE upgrade project to a solution that will be NG911 compliant. The objective is two-fold; replace obsolete equipment, and prepare the Fairfax County DPSC for transition to an i3 compliant NG9-1-1 solution when ESInet is deployed. Replacing the existing outdated recorder is a necessary step toward achieving our goal of providing the most capable emergency communications for our citizens and public safety personnel. A NG9-1-1 compliant recorder will support analog, digital, and VoIP telephony, as well as multimedia recording, and allow eventual integration with central, cloud based NG9-1-1 storage. With this in mind we plan to work closely with the chosen vendor to assure that all audio will be recorded during this transition. This collaboration will include, system design and specification meeting, pre-install site check list, site preparation, installation, training, and evaluation.

In addition, the upgraded solution includes site-wide deployment of an enhanced search/replay tool that is accessed via an Internet Explorer Window. This software allows authorized users to not only search for/playback calls, but also has built in redaction tools and the ability to create saved incidents, and import multi-media to these incidents from other sources as needed.

Finally, the system refresh includes the reconfiguration of the existing recording network to capture 9-1-1 call taker/dispatcher audio using a VoIP based integration and call data from the CPE instead of the current methodology of digital set tapping of call taker telephones.



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)	05 / 01 / 15
<input checked="" type="checkbox"/> DESIGN/PLANNING (Project, system, or solution requirements are developed)	06 / 30 / 15
<input checked="" type="checkbox"/> ACQUISITION (Selected system or solution is procured)	09 / 01 / 15
<input checked="" type="checkbox"/> IMPLEMENTATION (Selected system or solution is configured and installed)	12 / 30 / 15
<input checked="" type="checkbox"/> TESTING/COMPLETION (Selected system or solution is tested and put in production)	01 / 30 / 16

Identify the longevity or sustainability of the project.

A new voice recorder is expected to last at least 5 to 7 years and the County includes costs in its budget to provide maintenance and support. The server is a standard off-the-shelf server allowing for cost effective upgrades and repairs. There is no end of product support date published by the manufacturer for this product at this time.



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

Recording 911 calls is a critical and vital aspect of public safety communications operations. Not only do the recordings help to provide an accurate description of calls, it is used to help train dispatchers how to handle calls, and provides official records for legal and criminal investigations and court proceedings.

SHARED SERVICES/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)



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



How should it be funded:

n/a

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. 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 attached project quote/estimate for upgrades to the Fairfax PSTOC primary recorder and the Alternate Site at Pine Ridge for a total cost of \$315,690.20.

Some additional costs in the attached estimate (not currently planned for implementation) are separately identified in the proposal and those other costs relate to updates for the radio recorders.

EVALUATION

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

Fairfax will evaluate each phase of the project to ensure success.

1. Identify requirements for audio channels
2. Plan and coordinate implementation
3. Thorough testing plan
4. Training and proper documentation for staff on all features
5. Final acceptance and approval



102 East Bay Ave, Suite J • Manahawkin, NJ 08050
800.204.5200 • Fax 800.879.0720
www.kovacorp.com

September 26, 2014

Mr. Ed Gerow
Fairfax County 911
4890 Alliance Drive
Fairfax, VA

Re: Budgetary Pricing for updated Motorola trunked radio integration and system-wide asset refreshment

Dear Mr. Gerow:

As per your request placed to Joe Flynn, below you will find a budgetary proposal to reconfigure the primary and redundant trunked radio recorders to capture audio via a VoIP console based integration to Motorola. This integration will require the County to provide a total of four (4) Motorola AIS Servers that will be dedicated to the recording system. In addition, I have also provided pricing to perform an asset refresh on any server appliances that exceed six years in age.

Finally, this proposal includes the conversion of the existing digital set-tapping interfaces to VoIP based interfaces in order to capture audio once the new calltaker/dispatcher console system is purchased by Fairfax.

Should you have any questions or require additional information, please do not hesitate to contact me. I look forward to your response.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Chris Silva'.

Chris Silva
President
KOVA, Corp.
(800) 204-5200 x 136
csilva@kovacorp.com



102 East Bay Ave, Suite J • Manahawkin, NJ 08050
800.204.5200 • Fax 800.879.0720
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Quote ID: 14-0926A

Date: September 25, 2014

Prepared by: Chris Silva (800) 204-5200 x 136; csilva@kovacorp.com

Prepared for: Fairfax County 911

Installation: Four weeks after order is placed (expedited installation is available)

Terms: 50% Deposit Due upon Contract Signature/50% Deposit Due Net 30 Days from Date of Delivery

Training: The training is on-site, for one Administrator and two end users.

Valid Thru: 06/30/2015. Please note this quotation is budgetary in nature and requires a KOVA, Corp. Contract of Sale to be executed prior to award of a purchase order.

Total Price: **\$793,796.00**

Items: **Please Refer to Following Page for Breakdown of Items to be Provided**



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Fairfax County Audiolog Quotation ID#14-0925A			
Delivery, Installation and Remedial Training is included. Equipment is being replaced under existing maintenance contract. 2016 Maintenance Renewal will reflect an increase to incorporate the additional software/hardware being purchased.			
P25 IP REDUNDANT TLR CONFIGURATION (USING CONSOLE BASED VOIP INTEGRATION) THIS SOLUTION REQUIRES THE COUNTY TO PURCHASE FOUR AIS SERVERS DEDICATED TO THE AUDIOLOG RECORDING SYSTEM			
Fairfax Asset:	Current Seat Count	Upgraded Seat Count	KOVA List Price Hardware, Software & Support
Fairfax County Primary TLR Dongle#10051 (To be licensed for Initial 200 Talkgroups)	24	200	138,693.30
Fairfax County Primary TLR New Server As Part of Upgrade (To be licensed for additional 200 Talkgroups)	0	200	74,590.80
Fairfax County Redundant TLR (First 200 Talkgroups) Dongle#11056	24	200	84,693.30
Fairfax County Redundant 2 (Second 200 Talkgroups) (New Server)	0	200	74,014.80
SUBTOTAL FOR TLR UPGRADE TO P25 IP USING 4 AIS SERVERS AND IP CONSOLE BASED INTEGRATION:	48	800	371,992.20
HARDWARE REFRESH OF EXISTING CONVENTIONAL SERVERS, ANALOG SERVERS, QUALITY ASSURANCE SERVER, AND CAS SERVER. CURRENT DIGITAL SET TAPPING CHANNELS WILL BE REPLACED WITH VOIP CHANNELS THAT ARE COMPATIBLE WITH INTRADO/CASSIDIAN CONSOLES			
Fairfax Asset:	Current Seat Count	Upgraded Seat Count	KOVA List Price Hardware, Software & Support
Primary Analog Recorder: S95ANLGPRI01 Dongle#11064 (To be licensed to continue to record analog trunks)	120	120	42,112.80
Redundant Analog Recorder: S95ANLGBCKPS01 Dongle#11065 (To be licensed to continue to record analog trunks)	120	120	36,076.80
Primary Digital Recorder: S95DGTLPRI01 Dongle#11062 (To be licensed to capture audio via VoIP Integration instead of using Digital Set Tapping interfaces)	168	168	56,085.60
Redundant Digital Recorder: S95DGTLBCKPS01 Dongle#11063 (To be licensed to capture audio via VoIP Integration instead of using Digital Set Tapping interfaces)	168	168	53,395.20
Pine Ridge Redundant Analog Recorder: PSCCANLGPRI Dongle#60176 (To be licensed to capture audio via VoIP Integration instead of analog interfaces)	152	152	52,629.60
Pine Ridge Primary Analog Recorder: PSCCANLGBCK Dongle#60393 (To be licensed to capture audio via VoIP Integration instead of analog interfaces)	152	152	49,363.20
Primary Centralized Archive Storage (CAS) Server Dongle#60395 will be upgraded to Blu-Ray Drive	0	0	12,132.00
Pine Ridge Centralized Archive Storage (CAS) Server Dongle#69744 will be upgraded to Blu-Ray Drive	0	0	8,853.00
Audiolog Quality Assurance (AIQ) Web Server Dongle#11052	0	0	5,042.00
SUBTOTAL FOR UPGRADE OF CONVENTIONAL RECORDING INPUTS AND ANCILLARY COMPONENTS:	880	880	315,690.20
Grand Totals:			
TOTAL WITHOUT CONTACT CLOSURE/ANALOG CONNECTIVITY TO CONSOLE AUDIO:	928	1680	\$687,682.40
OPTIONAL REDUNDANT CONTACT CLOSURE/ANALOG CONNECTIVITY AT 168 POSITIONS INSTEAD OF USING VOIP CONNECTIVITY			\$106,113.60
GRAND TOTAL INCLUDING OPTION TO CAPTURE CONSOLE/CALLTAKER AUDIO USING CONTACT CLOSURE DETECTION INSTEAD OF VOIP CONNECTIVITY:			\$793,796.00