



COMMONWEALTH of VIRGINIA

Virginia 9-1-1 Services Board

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Chief of Police
City of Chesapeake

Jolena Young
Twin County

Shawn Talmadge
Office of the Governor
Advisor

Meeting Agenda May 20, 2019 10:00 am Commonwealth Enterprise Solutions Center

1. Call Meeting of the Board to Order Chairman
2. Approval of the Minutes from Mar 14th Chairman
3. NG9-1-1 Deployment Update ISP Director
4. NG9-1-1 Funding Requests.....PSC Coordinator
5. FY 21 PSAP Grant GuidelinesPSC Coordinator
6. COIA Training Counsel
7. Old Business:
 - Update on Federal 9-1-1 GrantPSC Coordinator
8. New Business:
 - Regional Advisory Council (RAC) Report.....RAC Chair
 - Travel Assistance for VA NENA ConferencePSC Coordinator
9. Public Comment Chairman
10. Adjourn Meeting of the Board Chairman

Next Meeting – July 11, 2019

**9-1-1 Service Board Meeting
May 20, 2019
CESC**

Members Present:	Jeffrey Stern – Chairman	Kevin Hall – Vice Chairman
	David Von Moll – Comptroller	Danny Garrison
	Jolena Young	Pete Hatcher
	Scott Garber	Lee Miller
	Kelvin Wright	
Members Absent:	Seth Weise	Mary Blowe
	Bruce Edwards	Jeffrey Merriman
	Gary Critzer	Nelson Moe
	Terry Ellis	
Advisor Present:	Shawn Talmadge	
AG Present:	Joshua Heslinga	Julie Whitlock
Remote	Roanoke	Culpeper
	Abingdon	
Staff Present:	Dorothy Spears-Dean	Stefanie McGuffin
	Steve Marzolf	Joe Sewash
	Lewis Cassada	

1. CALL TO ORDER

Chairman Stern called the meeting of the 9-1-1 Service Board to order at 10:01 AM

Coordinator Spears-Dean did a roll call of the remote sites. All were accounted.

2. APPROVAL OF THE MINUTES FROM MARCH 14, 2019

Chairman Stern called for a motion to approve the March 14, 2019 Board Minutes, which had been distributed prior to this Board Meeting. Kelvin Wright made a motion to approve the Minutes, and Lee Miller 2nd the motion to approve. The Minutes were approved; **9-0-0**.

3. NG9-1-1 DEPLOYMENT UPDATE

Prior to giving an update on the NG9-1-1 Deployment, Coordinator Spears-Dean

gave the Board an update on the Virginia Beach RFP, and said it is on schedule.

Steve Marzolf addressed the Board and said he wanted to give the Board an update on NG9-1-1 Deployment since the last Board meeting. He said that the NOVA Deployment Schedule is now for August or September as that is when the Vesta product will be certified for Fairfax. Mr. Marzolf informed the Board that he is not going to ask for a vote on the schedule adjustment. He said the adjustment is not just impacting Virginia, but it is also impacting Kansas as well. Mr. Marzolf then asked for questions from the Board. Chairman Stern asked if technology projects have scheduled interruptions, and if staff put basic slack time in the project, or will the Board have to come in and vote to change the schedule each time. Mr. Marzolf said the slack time that was anticipated was not enough. However, he is not worried, as it is the first one up that is the challenge, and the others should fall in place.

Coordinator Spears-Dean talked about the expanded scope and process. She said that the Deployment Plan was voted on last year. She said that the Board has begun to approve funding requests and staff is looking at next steps to support the awards and projects. Coordinator Spears-Dean said that staff wants to keep an eye on the budget and make sure the three year planning documents for 9-1-1 and GIS take these next steps into account. She said that staff will continue to review planning documents and will provide updates at future meetings.

Jolena Young addressed the Board and talked about the NG9-1-1 Sustainable Funding Committee. Ms. Young informed the Board that the Committee has had a couple of meetings since the last Board meeting. She said that the Coordinator's team is doing some revenue and cost analysis. She said that VML has referenced the CUST study and the Committee is looking at 9-1-1 financial information contained in the study. Ms. Young said that the Committee feels strongly that the Committee needs some input from the 9-1-1 Community, so they are working with the Regional Advisory Council (RAC) and looking at ways costs can be reduced by distributing a survey. They are also looking at the methodology for distributing the funding. She said they are looking at if the split is correct between the monthly distribution and the grants, or if everything should stay as is or should there be changes.

Coordinator Spears-Dean then gave a short recap on where the Committee is with NG9-1-1 GIS data. She informed the Board about a meeting they had at Virginia Beach with West Safety a week ago. She said that they are continuing to work with localities (based on PSAP Boundaries), and have issued a tools document as a resource to PSAPs. She said they have continued to work all aspects of the Deployment Process.

4. NG9-1-1 FUNDING REQUESTS

Coordinator Spears-Dean addressed the Board and said she received funding requests from 12 localities. The requests totaled \$8,392,441.32. Coordinator Spears-Dean went over the PSAPs that submitted requests. She said that the PSAP Grant Committee and staff have reviewed the funding requests. They are asking the Board to approve the amount of \$8,392,441.32 in funding requests. Chairman Stern called for questions and a motion to approve from the Board. Mr. Danny Garrison made a motion to approve the requests; and Kelvin Wright 2nd the motion for approval. Chairman Stern then asked Mr. Marzolf if staff could do a press release. Mr. Marzolf said staff had not, but could do so. Chairman Stern then called for a vote. The motion passed **8-0-1** (Mr. Pete Hatcher with AT&T abstained).

Coordinator Spears-Dean informed the Board that staff has received several grant extension requests. She said that these requests were reviewed at the PSAP Grant Committee meeting on Tuesday, May 14, 2019. The localities requesting grant extensions were: Arlington, Charlottesville, Halifax, Norfolk and Tazewell. Chairman Stern called for a motion to approve the grant extension requests. Jolena Young made a motion to approve the requests, and Kevin Hall 2nd the motion to approve the requests. The motion was approved; **9-0-0**.

5. FY 20 PSAP GRANT GUIDELINES

Coordinator Spears-Dean addressed the Board and said the Guidelines contain the two current funding programs: N9-1-1 Migration Program and PSAP Education Program (PEP). She said that the change in wireless funding to 40% for grants has been made in the Guidelines. She said that the financial language from the grant management process document has been included in the payment request process section in the Guidelines. Coordinator Spears-Dean said that NG9-1-1 Migration Program remains unchanged. She informed the Board that staff will begin preparing progress reports for PSAPs awarded NG9-1-1 funding. She said that the reporting schedule has been established and it uses the same dates as the funding request schedule. Coordinator Spears-Dean said the PEP will remain intact with no changes with the exception of adding “subscription-based learning programs” as an allowable use of grant funds. Coordinator Spears-Dean said that the new item included in the Guidelines is the “Text-To-911” Program. She said that funding is available in PSAPs’ Migrations Proposals for Text-to-9-1-1 implementations. However, Coordinator Spears-Dean said that staff has to make sure that transitional funding is available to PSAPs prior to NG9-1-1 deployment in order to meet the legislative requirement of July 1, 2019. She said that if PSAPs have already implemented Text-to-911 they are not eligible. The funding request will be for three (3) years from the date of approval by the Board, or until

the PSAP deploys NG9-1-1, whichever is sooner. The draft Guidelines document was reviewed by the PSAP Grant Committee at the May 14th meeting. Coordinator Spears-Dean said the Committee is recommending approval of the document. Chairman Stern called for questions from the Board. Danny Garrison asked if the Secondary PSAPs will be eligible to apply. Coordinator Spears-Dean said yes. Chairman Stern then called for a motion for approval from the Board. Kevin Hall made a motion to approve the recommendation; and Danny Garrison 2nd the motion for approval. All approved; **9-0-0**.

6. COIA TRAINING

Joshua Heslinga addressed the Board and said that he brought Julie Whitlock, Senior Assistant Attorney General at the Attorney General's Office, with him to talk to the Board about COIA. Ms. Whitlock addressed the Board and gave a brief presentation on the State and Local Conflict of Interest. She said that the OAG looked at the topic of Money and Gifts (COIA today where members have a personal interest in a Contract with the Board). She talked about the difference between contracts and grants. She talked about filing the statement of economic interest form. Ms. Whitlock said that failure to file results in a \$250 fine. She talked about why it is important to comply with COIA. She said that if you violate the process, you could end up with a misdemeanor; negative publicity for the Board; and a violation of public trust. She went over what is a personal interest, and personal interest in a transaction. Ms. Whitlock said that the Virginia Conflict of Interest & Ethics Advisory Council and the Attorney General Office can give advice. She also said that the process changes with each Administration, but Joshua Heslinga can keep the Board informed.

7. OLD BUSINESS

- **Update on Federal 9-1-1 Grant:** Coordinator Spears-Dean addressed the Board and said that the Commonwealth submitted a Federal 9-1-1 Grant on March 27th which had a deadline filing date of April 2nd. Coordinator Spears-Dean said that staff has received an email from the Program Administrator on the eligible use of funds. They wanted more information on the Diversity Projects. Coordinator Spears-Dean said the additional information was provided and staff should know by the next Board Meeting the outcome, and will brief the Board.

8. NEW BUSINESS

- **Regional Advisory Council (RAC) Report:** Coordinator Spears-Dean gave a short report on the RAC. She said that the RAC is reviewing the election and appointment process for members of the

new RAC. She also said that the RAC is also reviewing the draft Charter for this new group.

- **Travel Assistance for VA NENA:** Coordinator Spears-Dean addressed the Board and said that approval of the VA NENA Travel Assistant rate is needed. Approval in the amount \$112 is being requested for each reimbursement request, and is within the GSA schedule. Coordinator Spears-Dean said that staff has started receiving reimbursement requests, and VITA Finance has approved the amount requested. Chairman Stern called for approval of the travel assistance rate. Lee Miller made a motion to approve the request, and Jolena Young 2nd the motion for approval. All approved; **9-0-0**.

9. PUBLIC COMMENT

Abingdon – None

Roanoke - None

Culpepper - None

On-Site – None

10. ADJOURNMENT OF THE MEETING

Chairman Stern called for a motion to adjourn the meeting of the 9-1-1 Service Board. Lee Miller made the motion, and Danny Garrison 2nd the motion. All approved; **9-0-0**, and the 911 Service Board Meeting was adjourned at 10:49 AM.

The next meeting of the 9-1-1 Service Board will be held on Thursday, July 11, 2019 at the Commonwealth Enterprise Solution Center (CESC).

Respectfully Submitted:

Terry D. Mayo

(Date)



9-1-1 Services Board

General Business Meeting

May 20, 2019



Agenda

1. Call to Order
2. Approval of Minutes
3. NG9-1-1 Deployment Update
4. NG9-1-1 Funding Requests
5. FY 20 PSAP Grant Guidelines
6. COIA Training
7. Old Business
8. New Business
9. Public Comment
10. Adjourn



NG9-1-1 Deployment Update



Overview

- Update on Virginia Beach RFP
- Deployment schedule
- Expanded scope and process
- NG9-1-1 Sustainable Funding Committee
- NG9-1-1 GIS data



NG9-1-1 Funding Requests





Latest Round of Funding Requests

- 12 localities submitted NG9-1-1 funding requests that totaled \$8,392,441.32
 - PALs submitted by March 25, 2019
- Requests were reviewed by the PGC during their May 14th meeting
- PGC recommends approval of requests



Latest Round of Funding Requests

PSAP	Primary Selective Router Regions	Amount Requested
Amelia	Chester/Stuart	\$300,550.90
Bath	Other	\$183,544.44
Craig	Other	\$241,566.74
Danville	Danville/Lynchburg	\$372,784.06
Hopewell	Chester/Stuart	\$327,007.19
King William	Chester/Stuart	\$905,744.17
Mecklenburg	Chester/Stuart	\$1,276,275.88
Northumberland	Chester/Stuart	\$1,240,058.38
Portsmouth	High Street/Jefferson	\$428,737.63
Rappahannock	Charlottesville/Farmville	\$769,981.10
Sussex	Chester/Stuart	\$1,777,307.71
Winchester	Fredericksburg/Winchester	\$568,883.12



Board Action

- Approve funding amount for the requests as listed in the presentation
 - Total amount recommended is \$8,392,441.32



FY18 Grant Extension Requests

- Extension requests were reviewed by the PGC during their May 14th meeting
- PGC recommends approval of requests



FY18 Grant Extension Requests

- Arlington #079 - (6/30/2020) – Shared CHE
- Charlotte #087 - (9/30/2019) – CAD
- Halifax #082 - (12/31/2019) – NG9-1-1 GIS
- Norfolk #158 - (10/31/2019) – Individual CHE
- Tazewell #152 - (12/31/2019) – Shared NG9-1-1 GIS



Board Action

- Approve grant extension requests as submitted



FY 21 PSAP Grant Guidelines





Overall Program Changes

- Program funding percentage updated to reflect legislative change
- Included language from grant management document that outlines payment request process



NG9-1-1 Program

- NG9-1-1 Migration Program remains mostly unchanged with the exception of adding progress reports and award amendment requests



PSAP Education Program (PEP)

- Included subscription based learning programs as an allowable use of funds



Text-to-9-1-1 Program

- Currently funding available in PSAPs migration proposal
- Transitioning funding program for PSAPs to implement SMS Text-to-9-1-1 prior to NG9-1-1 deployment to meet the required implementation date of July 1, 2020
- Funding limit of \$50,000 and awards



Text-to-9-1-1 Program

- PSAP that have already implemented Text-to-9-1-1 are not eligible
- Program replaces any funding identified in a PSAP's NG9-1-1 Migration Plan or included in a PSAP's NG9-1-1 funding award



Text-to-9-1-1 Program

- Funding awards are for 3 years from the date approved by the Board, or until the PSAP deploys NG9-1-1, whichever is sooner
- Funding applications will be reviewed and approved on an ongoing basis throughout the NG9-1-1 deployment period



FY21 PSAP Grant Guidelines

- The draft document was reviewed by the PGC during their May 14th meeting
- PGC recommends approval of the guidelines as submitted



Board Action

- Approve draft FY 21 PSAP Grant Guidelines document as submitted



COIA Training





Old Business





Federal 9-1-1 Grant

- Commonwealth submitted NG9-1-1 funding application on March 27th
 - Deadline was April 2nd
- Single clarifying question was asked by program administrator upon review of application
 - Eligible use of funds
- Response was provided on May 8th



New Business





New Business Items

- RAC Report
- Travel Assistance rate of \$112 for VA NENA conference
 - Need Board approval to process reimbursement requests



And In Conclusion

- Public Comment
- Adjourn
- Next meeting date is July 11, 2019

Virginia Information Technologies Agency



Virginia 9-1-1 Services Board PSAP Grant Program

FY21



May 20, 2019

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INTRODUCTION

Executive Summary

The commonwealth is implementing Next Generation 9-1-1 (NG9-1-1) because the current analog network that provides 9-1-1 call delivery to Virginia Public Safety Answering Points (PSAPs) is going away. Over the next few years, 9-1-1 service providers will be decommissioning the selective router pairs that comprise the foundation of this legacy analog network. To address this issue, the 9-1-1 Services Board (the "Board") conducted an NG9-1-1 Feasibility Study in 2015 and made the decision to transition to a statewide IP-based infrastructure, known as an Emergency Services IP Network (ESInet). With planning efforts completed, the Board is now focused on implementing NG9-1-1 throughout the commonwealth. Though the Board is recommending the Fairfax contract with AT&T for NG9-1-1 services, each locality will need to determine the most appropriate path and may use other NG9-1-1 service provider contracts. If a locality chooses a solution other than AT&T, the locality is responsible for interoperability with the AT&T solution (see Appendix A).

The primary focus of the current PSAP Grant Program Guidelines is to lay out the process for determining and allocating funding for allowable NG9-1-1 migration costs during the multi-year NG9-1-1 deployment period, provide funding for Text-to-9-1-1, and to continue to provide funding for 9-1-1 and GIS education and training in FY 21. As a result, these guidelines contain three programmatic areas:

- NG9-1-1 Migration Program
- PSAP Education Program (PEP)
- Text-to-9-1-1 Program

The NG9-1-1 Migration Program provides funding for NG9-1-1 migration expenses for eligible program participants throughout the Board established deployment period. Participants eligible to receive funding are primary PSAPs and secondary PSAPs currently served by a selective router pair. The amount of funding these PSAPs can receive is based on the analysis contained in the NG9-1-1 Migration Proposal. The purpose of the MP is to provide information about prerequisite work needed within the PSAP, expected costs, and funding provided by the Board for a NG9-1-1 solution. Eligible PSAPs have already received an MP based on the AT&T solution. The goal of this document is to provide each PSAP/locality with all of the information needed to evaluate each NG9-1-1 solution and determine whether it will meet local needs.

Funding will only be provided to address items specifically identified in the proposal document. As a result, many items eligible for funding in previous grant guidelines will no longer be funded. PSAPs will demonstrate their acceptance of the information included in the MP by completing a Proposal Acceptance Letter (PAL). The MP and PAL will be considered a FY 21 NG9-1-1 Migration Program funding application.

The PEP provides funding to primary PSAPs for the purpose of obtaining 9-1-1 and GIS education and training. PSAPs have two funding options:

- \$3,000 per primary PSAP for individual PEP requests
- \$4,000 per primary PSAP for multi-jurisdictional PEP requests

The Text-to-9-1-1 Program provides funding to primary PSAPs to enable PSAPs to implement SMS Text-to-9-1-1 prior to NG9-1-1 deployment to meet the required implementation date of July 1, 2020.

This document contains information about the rules and requirements governing the PSAP Grant Program, the types of projects eligible for funding, and instructions for completing and submitting the grant application. Information for funding and grant programs contained in these guidelines supersedes programmatic information contained in guidelines from previous years. The final authority to administer this grant program rests with the Board. The Board can amend, alter, or change these guidelines, as well as require the Grant Committee to undertake additional responsibilities not already specified in the guidelines. Requests from PSAPs for exceptions to the guidelines are discouraged.

What is the PSAP Grant Program?

The PSAP Grant Program will financially assist primary PSAPs and secondary PSAPs currently served by a selective router pair with NG9-1-1 migration costs identified in each PSAP's MP. The program also provides funding to primary PSAPs for 9-1-1 and GIS education and training and to implement SMS Text-to-9-1-1 prior to NG9-1-1 deployment. Funding is made available through the Code of Virginia and administered by the Board. Funding is limited to those projects that fall within the programmatic areas identified in the guidelines. As a result, requests from PSAPs for exceptions to the guidelines are discouraged.

The PSAP Grant Program has been established in the Code of Virginia, §56-484.17(D):

Wireless E-911 Fund; uses of Fund; enforcement; audit required:

... 40 percent of the Fund—shall be distributed to PSAPs or on behalf of PSAPs based on grant requests received by the Board each fiscal year. The Board shall establish criteria for receiving and making grants from the Fund, including procedures for determining the amount of a grant and payment schedule; however, priority shall be given to grants that support the deployment and sustainment of NG9-1-1.

PSAP Grant Committee (PGC)

The Board chair makes appointments to the PSAP Grant Program's Grant Committee. Membership to the PGC will be staggered and appointments are made for three-year terms. Members can be reappointed for only one additional consecutive term. Committee members are appointed and serve at the discretion of the Board's chairperson. At all times, the Grant Committee membership shall consist of at least two Board members.

Furthermore, members of the Grant Committee should adequately represent the geographic diversity of the commonwealth, the varied operational capacities of Virginia primary PSAPs, and public safety professional organizations. Accordingly, a nine-person Grant Committee is established consisting of the following individuals:

- Two Board members (one of which will chair the committee)
- Four primary PSAP representatives (two of which will represent APCO and NENA)
- Three at-large members

Members with the same organizational affiliation will have different reappointment and replacement schedules:

- Replacement/Reappointment Schedule 1:
 - one Board member (co-chair)
 - two primary PSAP representatives (one of which will represent APCO)
 - and two at-large members
- Replacement/Reappointment Schedule 2:
 - one Board member (chair)
 - two primary PSAP representatives (one of which will represent NENA)
 - and one at-large member

Each year, in anticipation of the upcoming grant application cycle, the Grant Committee recommends grant guidelines and funding priorities. This edition

of the PSAP Grant Guidelines will function differently. This document provides guidelines for a multi-year funding program to assist PSAPs in the deployment of NG9-1-1 Text-to-9-1-1 and the FY 21 PEP. The Grant Committee will also make recommendations to the Board regarding the development of any criteria for awarding grants, and the proposal of any necessary changes to the administration of the PSAP Grant Program.

The Grant Committee will meet multiple times a year to evaluate all complete and eligible applications. Furthermore, the committee has the discretion to make case by case evaluations and recommendations for approval or disapproval of all submitted applications.

Auditing

The Board shall audit funding received by all recipients to ensure that it was utilized in accordance with the award requirements. If it is determined that the funding was misused, or if the guidelines were not adhered to, the commonwealth may take appropriate action to the extent permitted by law, including, and not limited to, requiring the return of the funds.

Errors

If ISP staff discovers that a funding or grant award is not consistent with Board action, ISP staff will notify the PSAP by email about the error and take corrective action.

Definitions

Call Handling Equipment (CHE) – Telecommunications equipment used to receive calls for service from the public in the PSAP. This equipment must be NG9-1-1 ready (see page 8). CHE that is non-vendor supported (NVS), will become NVS during the migration period, or cannot be upgraded to be NG9-1-1 ready will be identified for replacement. This may also apply to technology refreshes of NVS supported hardware or operating systems becoming end-of-support. Funding is available for CHE projects (see page 10). CHE projects may include networking for shared services approaches, hosted solutions with collaborative procurement, and text-to-9-1-1. Bundled CHE purchases may include headsets, time sync, and maintenance.

Computer Aided-Dispatch (CAD) – A computer-based system which aids PSAPs by automating selected dispatching and record keeping activities. Funding for CAD is limited to upgrades or modifications identified in localities' MPs as required for the deployment of NG9-1-1.

Interoperability – All NG9-1-1 ESInet solutions deployed in Virginia must be interoperable with the Fairfax County NG9-1-1 ESInet (see Appendix A).

Legacy Network Gateway (LNG) – The method to connect TDM-based primary PSAPs and secondary PSAPs currently served by a selective router pair to the ESInet.

Mapping System – A computer-based system to display location information in a geographic information system (GIS) or otherwise on a map within the PSAP. Funding for mapping systems is limited to upgrades or modifications identified in localities' MPs as required for the deployment of NG9-1-1.

Memorandum of Understanding (MOU) - A formal document that guides and directs the parties of a physical consolidation project in regards to their affiliation and working relationship, inclusive of anticipated future arrangements, for the purposes outlined in the grant application submitted by the parties.

Migration Proposal (MP) – A document that provides information about prerequisite work needed within the PSAP, expected costs, and funding provided by the Board for a NG9-1-1 solution. The goal of the MP is to provide each PSAP/locality with all of the information needed to evaluate the NG9-1-1 solution and determine whether it will meet local needs.

Multi-jurisdictional Agreement (MJA) – A document, signed by appropriate representatives of all PSAPs/localities planning to participate in a Shared Services Project or a multi-jurisdictional PSAP education or training project.

It defines their working relationship and commitment to the project. The MJA must be included with the grant application.

Multi-Jurisdictional Projects – A project in which two or more primary PSAPs participate. For the purpose of these grant guidelines, these are physical consolidations and multi-jurisdictional PEP projects.

NG9-1-1 Deployment Period – A period established by the Board during which time PSAPs may submit a NG9-1-1 Migration Program funding request.

NG9-1-1 GIS Projects – A project that relates directly to the preparation of PSAP boundary, road centerline, and address point data based on approved NG9-1-1 data standards, applicable data models, and GIS best practices. These projects must include a long-term data maintenance plan. Funding for any day-to-day work or continued geospatial maintenance is not allowed. NG9-1-1 GIS projects eligible for funding will be based on results of the most recent GIS/MSAG/ALI analyses and identified in the MP.

NG9-1-1 Ready – Call handling equipment with the ability to receive SIP (see definition on page 9) communications natively at the call handling interface. This does not include the text-to-9-1-1 integration component, which can be added at a later date.

Non-Allowable Items – Historically these items have been bricks and mortar, outside security, card key systems, furniture, personnel salaries, benefits, and local project management time. However, this is not an inclusive list and applicants should seek guidance from ISP staff if they are unsure. In addition, only items that are specifically identified in the MP document as necessary to deploy NG9-1-1 would be eligible for NG9-1-1 funding. As a result, many items eligible for funding in previous grant guidelines will no longer be funded.

Non-Vendor Supported (NVS) - Replacement of CHE during the deployment period, to include hardware and software, that is no longer supported by the vendor to enable primary PSAPs to maintain current service levels. Only NVS CHE and related services will be funded. Failure of a reseller or partner to support hardware/software and/or service does not meet this definition unless there are no other options for support available. Supporting documentation from the vendor must be included with the funding or amendment request as a requirement for funding.

Physical Consolidation – The physical consolidation of two or more primary PSAPs into a single physically combined primary PSAP with an integrated management structure established by MOUs that serves the same constituent population previously served by the independent primary PSAPs. In addition, all parties must benefit directly from the consolidation activities

implemented with a grant award. CHE as defined in the guidelines is an allowable project for a physical consolidation project.

Primary Public Safety Answering Point (PSAP) – A PSAP that receives the initial wireless E9-1-1 call as recognized by the Virginia 9-1-1 Services Board as eligible to receive wireless funding.

Proposal Acceptance Letter (PAL) – A document completed by a PSAP that confirms the acceptance of information contained in the MP, the PSAP's intent to deploy NG9-1-1 and execute a contract vehicle with a NG9-1-1 solutions provider within a specific period of time, and identifies a PSAP's preference for Board payment of eligible NG9-1-1 expenses to be incurred.

Public Safety Answering Point (PSAP) – A facility equipped and staffed on a 24-hour basis to receive and process E9-1-1 calls or that intends to receive and process E9-1-1 calls and has notified commercial mobile radio service (CMRS) providers in its jurisdiction of its intention to receive and process such calls.

Recurring 9-1-1 Costs – Periodic costs beyond the initial purchase of 9-1-1 equipment and/or services. With the purchase of 9-1-1 equipment and services, five years of prepaid service is allowable, but the period of cost recovery is limited to the grant award period.

Secondary PSAPs – A PSAP to which 9-1-1 calls are transferred from a primary PSAP. Secondary PSAPs currently served by a selective router pair are eligible to participate in the NG9-1-1 Migration Program, but are not eligible to participate in the PEP or receive funding for CHE or consolidations.

Session Initiation Protocol (SIP) - A protocol specified by the IETF (RFC3261) that defines a method for establishing multimedia sessions over the Internet. Used as the call signaling protocol in VoIP, NENA i2 and NENA i3.

Shared Services Project – Project in which the provisioning and use of 9-1-1 equipment and/or services occurs between two or more PSAPs in order to “share” the funding and resourcing of equipment and software used to process 9-1-1 calls. The purchase of hardware and software is included. Projects are not considered as shared services if they consist solely of a network solution that links together individual systems.

Subscription Based Learning Programs – Online 9-1-1 and GIS education/training events that are purchased on a monthly or yearly basis, and are an eligible expense for the PEP. See pages 20 -23 for additional information.

Supplanting – Grant funds are to be used to supplement, not replace, the portion of the local governments’ budgets that pertain to PSAPs. Supplanting occurs when general funds are replaced.

Transitional SIP –This solution uses an IP (SIP) connection to get the voice call directly into the PSAP’s CHE.

Wireless E-911 Fund – A dedicated fund consisting of all moneys collected pursuant to the Wireless E-911 surcharge, as well as any additional funds otherwise allocated or donated to the Wireless E-911 Fund.

NG9-1-1 MIGRATION PROGRAM

Eligibility

Any Virginia primary PSAP and secondary PSAP currently served by a selective router pair are eligible to apply for and receive funding from the NG9-1-1 Migration Program.

Funding Amounts

Any primary PSAP and secondary PSAP currently served by a selective router pair are eligible for full funding during the NG9-1-1 deployment period for items necessary for call routing transitioning to an ESI net. These items will be identified in each primary PSAP's and secondary PSAP's MP. There is no required local match.

If during the funding award period a primary PSAP will be involved in a consolidation project and/or has CHE that becomes NVS, the PSAP would be eligible for funding for these projects up to the following amounts:

- \$200,000 per PSAP participating in a shared services CHE project
- \$150,000 for an individual PSAP CHE project
- \$500,000 per physical consolidation project

Technology refreshes of supported hardware or operating systems becoming end-of-support may also be considered NVS. Secondary PSAPs are not eligible for funding for CHE replacement or consolidation projects.

Shared services projects among PSAPs are strongly encouraged. All jurisdictions participating must be identified in a multi-jurisdictional agreement (MJA) signed by all parties. Shared services projects require that one eligible primary PSAP act as the "host" for the initiative. The "host" will be the fiscal agent responsible for fulfilling all requirements such as reports, control of and accounting for funds, and distribution and control of equipment purchased.

Similar to a shared services project, one of the primary PSAPs participating in a physical consolidation must act as the "host" and is responsible for fulfilling the same requirements. Additional funding may be available for consolidations if substantial NG9-1-1 migration cost savings can be demonstrated. Primary PSAPs interested in obtaining funding for a physical consolidation project must satisfy two prerequisites before receiving funding:

- First, the localities that govern the PSAPs involved in this physical consolidation must sign a MOU in support of a physical consolidation.

- Second, a feasibility study must be completed by the localities using local funds.

Funding Award Period

Funding awards are for three years from the date approved by the Board. Since NG9-1-1 deployments will be occurring by selective router regions over a multi-year period, portions of a PSAP's funding may not be immediately available and distributed over different fiscal years. All funds must be expended by the end of the award period unless an extension request is approved by the Board.

Funding Cycle and Application

The funding cycle for the NG9-1-1 Migration Program begins on July 1, 2018 and will remain open throughout the NG9-1-1 deployment period. A funding application consists of the final version of the MP prepared by ISP staff and a completed PAL.

How to Apply/Deadline

Funding applications will be reviewed and approved on an ongoing basis throughout the NG9-1-1 deployment period. Applications are due by 5 pm no later than 45 calendar days in advance of a scheduled Board meeting. Applications must be submitted electronically to the PSAP Grant Program mailbox (psapgrants@vita.virginia.gov) with required supporting documentation.

Migration Proposal (MP)

The purpose of the MP is to provide information about prerequisite work needed within the PSAP, expected costs, and funding provided by the Board for a NG9-1-1 solution. The goal of this document is to provide each PSAP/locality with all of the information needed to evaluate the NG9-1-1 solution and determine whether it will meet local needs. Though the Board is recommending the Fairfax contract with AT&T for NG9-1-1 services, each locality will need to determine the most appropriate path and may use other NG9-1-1 service provider contracts. Since the AT&T solution is the first NG9-1-1 solution deployed in Virginia, a locality that chooses a service provider other than AT&T is responsible for interoperability with the AT&T solution (see Appendix A).

ISP staff will prepare a proposal document for each PSAP and service provider that includes necessary NG9-1-1 implementation steps and recommended participants, a timeline for completing these steps, and related non-recurring and recurring costs to achieve an outcome of i3 geospatial 9-1-1 call routing. This proposal also provides an anticipated NG9-1-1 deployment schedule and anticipated funding.

Although the MP provides a path to achieve geo-spatial routing, regional needs may necessitate that a PSAP transition to NG9-1-1 before this outcome occurs. An implementation step, such as a CHE upgrade, may delay a PSAP's NG9-1-1 deployment date. To minimize legacy 9-1-1 service provider transition costs, all PSAPs currently served by a selective router pair need to transition within a short time period. In this case, a legacy PSAP gateway (LPG) can be set up as a transitional step. This would enable all PSAPs to transition at the same time and for the CHE upgrade to take place afterwards.

Only items that are specifically identified in the MP as necessary to deploy NG9-1-1 would be eligible for funding. As a result, many items eligible for funding in previous grant guidelines would no longer be funded. In addition, cash flow will be closely monitored to maintain the statewide NG9-1-1 deployment schedule established by the Board. As a result, some funding for connectivity to increase redundancy and diversity may need to be addressed after a PSAP transitions to NG9-1-1, as long as service is not degraded.

Proposal Acceptance Letter (PAL)

The PAL confirms the PSAP's acceptance of information contained in the MP and intent to deploy NG9-1-1, as well as the following information:

- PSAP's decision for a NG9-1-1 solution provider
- Interoperability issues related to NG9-1-1 solution provider decision
- Need for a transitional step with current NG9-1-1 deployment schedule
- Delay in increasing redundancy or diversity
- Use of billing agreements

By completing the PAL, a PSAP confirms they understand that a contract vehicle with a NG9-1-1 solutions provider needs to be executed within three months of the Board approving a funding request.

Funding Award Amendments

A PSAP can submit a funding award amendment request for the following reasons:

- An end-of-life notice for CHE is received by the PSAP with an effective date that occurs during the three year NG9-1-1 funding award period
- A previously unidentified issue impacting NG9-1-1 readiness

Funding amounts for CHE are provided in the Funding Amount section on page 11. ISP staff can process an award amendment for items with a non-material cost of less than \$5,000. Items with a material cost of more than \$5,000 would need to be approved by the Board. The need for a funding award amendment would be documented in the funding award recipient's progress report (see Progress Report section) prepared by ISP.

Payment Request Process

The PSAP Grant Program has a reimbursement cash disbursement policy. Payment requests may be submitted by award recipients after the award period begins and no later than 45 calendar days after the award period ends, (or next business day if the 45th day falls on a weekend or holiday) or as adjusted by any award extensions. Only invoices are acceptable forms of documentation and must reflect dates that fall within the actual award period. Payment requests must also be submitted in accordance with a PSAP's spending plan. This plan lays out when approved funding for each NG9-1-1 category will be available and is included in a funding award letter. Payment requests must be sent electronically to the PSAP Grant Program mailbox (psapgrants@vita.virginia.gov) on the appropriate form, along with an invoice.

Award recipients must wait until services are performed or goods are received, which must occur during the actual award period, and the corresponding invoices are received and/or paid in order to recover costs. For projects involving milestone payments, invoices may be submitted in accordance with executed contracts. A copy of the payment terms section of an executed contract that identifies the milestones must be included with the payment request. If a participant in a multi-jurisdictional project, other than the fiscal agent, is seeking reimbursement for an award-related expense, the participant must have the written approval of the fiscal agent in order for the reimbursement request to be processed.

In the event that that additional documentation is required from the funding grant recipient to process the payment reimbursement request, the Program Manager shall make the first contact with the funding recipient to request the information. Generally, such requests will be made by email, but can be made by telephone if easier with an email follow up for documentation. The Regional Coordinator for the locality will be copied on the request and follow up emails. The payment request will be held until the additional information is provided and not be partially paid, unless requested by the PSAP.

- If the required information is not received from the funding recipient within ten (10) business days of the request for additional information, the Program Manager will alert the Regional Coordinator for that locality to follow up with the funding recipient. The Regional Coordinator will contact the funding recipient to determine the cause for the delay in response and work with the Program Manager to determine a path forward to getting the required information or rejecting the request.
- If the required information is not received by the Program Manager within twenty (20) business days of the request for additional information, the Program Manager will alert the PSC Coordinator. The PSC Coordinator will determine if additional action is necessary.
- If the required information is not received by the Program Manager within thirty (30) business days of the request for additional information, the Program Manager will summarily reject the Funding Drawdown Request with an email to the grant recipient, copying the responsible Regional Coordinator and PSC Coordinator, asking them to resubmit the non-PEP drawdown request when all of the required information is available.

In addition, payment requests will be held until all required progress reports, or other Board required information, are received.

Progress Reports

Beginning July 1, 2019, ISP staff will prepare quarterly progress reports for all funding award recipients until the award is closed. These reports will be shared with the Grant Committee at the next scheduled meeting after the reports are completed.

Award Extension Requests

The Board will determine the process for PSAPs to request an award extension and ISP staff will advise award recipients.

Award Closure

The Board will determine the process for PSAPs to close their award and ISP staff will advise award recipients.

PSAP EDUCATION PROGRAM

Eligibility

Any Virginia primary PSAP is eligible to apply for and receive funding from the FY 21 PEP. Secondary PSAPs are not eligible for PEP funding. Grant funds are to be used to supplement the portion of local governments' budgets, not to supplant funds.

Funding Amounts

Approved grants in this program will receive funding from the PSAP Grant Program before any other funding priority. PSAPs have two funding options:

- \$3,000 per primary PSAP for individual PEP requests
- \$4,000 per primary PSAP for multi-jurisdictional PEP requests

Multi-jurisdictional PSAP education or training projects require that one eligible primary PSAP act as the "host" for the initiative. The "host" will be the fiscal agent responsible for fulfilling all grant requirements. All jurisdictions participating must be identified in a MJA signed by all parties.

PSAPs may receive an award for an individual PEP grant and participate in a multi-jurisdictional PEP grant in the FY 21 grant cycle. However, the multi-jurisdictional PEP grant award cannot be used to supplement an individual PEP grant award that has been exhausted during the grant award period.

Grant Award Period

The FY 21 PEP is an annual grant program with an award period that runs consistent with the Commonwealth of Virginia's fiscal year. The twelve month grant award period begins on July 1, 2020 and ends on June 30, 2021. All grant funds must be expended by the end of the grant award period. PEP grants are not eligible for extensions. The Board will approve the PEP awards at their January 2020 meeting.

Grant Cycle and Application

The FY 21 grant cycle for the PEP begins on July 1, 2019 and will remain open until 5 pm on October 1, 2019. PEP grant applications are available from VITA's [ISP website](#).

Each PEP application must include the following:

- Description of how the education/training is 9-1-1/GIS specific and how this will benefit the employee(s) and/or PSAP(s)
- Breakdown of the funding allocation of the 9-1-1/GIS education/training opportunities
- Evaluation plan that describes how the PSAP will measure the extent to which employees of the grantee PSAPs received value from the education/training

How to Apply/Deadline

The FY 21 PEP application cycle begins on July 1, 2019. PEP applications must be submitted electronically to the PSAP Grant Program mailbox (psapgrants@vita.virginia.gov) using the appropriate form and with required supporting documentation by 5 pm on October 1, 2019.

Program Concept

The PEP funds registration/training fees, lodging, travel assistance (for VA APCO, VA NENA, and VAMLIS state conferences only), M & IE (meals and incidental expenses for all other conferences and training opportunities), required training course material, and certifications. Reimbursement for travel assistance and M & IE requires an overnight stay. Reimbursement information is available from VITA's [ISP website](#). Reimbursement will only be made at the posted rate effective on the date of the training, plus applicable state and occupancy taxes based on the Commonwealth of Virginia Travel Guidelines.

Program Goals and Objectives

The PEP is designed so that all primary PSAPs will take advantage of in-person and online opportunities including subscription based learning programs. Education and training must be related to technology adoptions, ongoing management of technology hardware/software, career development specific to Public Safety Communications (PSC) and/or GIS personnel, and other relevant matters.

Payment Request Process

The PEP uses a cost recovery method of funding. In the Comprehensive Project Description section of the PEP grant application, the applicant will

provide a reasonable estimate of the funds to be used. The grantee will pay the costs of all allowable expenses. Within 30 calendar days of the end of the education/training event (or next business day if the 30th day falls on a weekend or holiday), the grantee must submit:

- ❑ Hotel receipt, conference/training registration receipt, and certificate of completion, if applicable. A conference registration form or a hotel reservation confirmation are not sufficient, and therefore, are not an acceptable form of documentation.
- ❑ Online education/training payment documentation (including a dated certificate of completion for any online training received).
- ❑ A list of all those attending the conference/training and the dates of attendance.
- ❑ A copy of the event agenda to determine the provided meals for subtraction from the per diem. This is not required for the standard in-state conferences as this is already known. Receipts are not required for meal reimbursement.
- ❑ A detailed invoice for all allowable expenses in association with an education/training opportunity.
- ❑ EXCEPTION: Grantee may seek reimbursement for subscription courses at the end of the grant award year (June 30th), but within 45 days of June 30th of the expiring grant award year.
 - Payment of invoices for these programs cannot overlap fiscal years and cannot extend beyond the grant award period.
 - To the extent practical, a single reimbursement request should be submitted for subscription based learning programs.

In the event that that additional documentation is required from the grant recipient to process the payment reimbursement request, the Program Manager shall make the first contact with the grant recipient to request the information. Generally, such requests will be made by email, but can be made by telephone if easier with an email follow up for documentation. The Regional Coordinator for the locality will be copied on the request and follow

up emails. The payment request will be held until the additional information is provided and not be partially paid, unless requested by the PSAP.

- If the required information is not received from the grant recipient within ten (10) business days of the request for additional information, the Program Manager will alert the Regional Coordinator for that locality to follow up with the grant recipient. The Regional Coordinator will contact the grant recipient to determine the cause for the delay in response and work with the Program Manager to determine a path forward to getting the required information or rejecting the request.
- If the required information is not received by the Program Manager within twenty (20) business days of the request for additional information, the Program Manager will alert the PSC Coordinator. The PSC Coordinator will determine if additional action is necessary.
- If the required information is not received by the Program Manager within thirty (30) business days of the request for additional information, the Program Manager will summarily reject the Grant Drawdown Request with an email to the grant recipient, copying the responsible Regional Coordinator and PSC Coordinator, asking them to resubmit the PEP drawdown request when all of the required information is available.

PEP grant payment requests received without all required receipts will be considered null submissions after 30 calendar days of notification and non-receipt of required documentation.

In addition, grant payment requests will be held until all progress reports, or other Board required information, are received.

TEXT-TO-9-1-1 PROGRAM

Eligibility

Any Virginia primary PSAP is eligible to apply for and receive funding from the Text-to-9-1-1 Program. Any PSAP that has already implemented Text-to-9-1-1 is not eligible for Text-to-9-1-1 Program funding. However, PSAPs with a TDD-based solution are eligible to apply for funding to replace their current solution with a web-based or direct IP solution.

Funding Amounts

Eligible PSAPs can receive up to \$50,000 in funding. Funding from the Text-to-9-1-1 Program replaces any funding identified in a PSAP's NG9-1-1 Migration Plan or included in a PSAP's NG9-1-1 funding award.

Funding Award Period

Funding awards are for three years from the date approved by the Board, or until the PSAP deploys NG9-1-1, whichever is sooner.

Funding Cycle and Application

The funding cycle for the Text-to-9-1-1 Program begins on July 1, 2019 and will remain open throughout the NG9-1-1 deployment period. Text-to-9-1-1 funding applications are available from VITA's [ISP website](#).

How to Apply/Deadline

Funding applications will be reviewed and approved on an ongoing basis throughout the NG9-1-1 deployment period. Applications are due by 5 pm no later than 45 calendar days in advance of a scheduled Board meeting. Applications must be submitted electronically to the PSAP Grant Program mailbox (psapgrants@vita.virginia.gov) with required supporting documentation.

Program Concept

The Text-to-9-1-1 Program is a transitional funding program designed to enable PSAPs to implement SMS Text-to-9-1-1 prior to NG9-1-1 deployment

to meet the required implementation date of July 1, 2020. PSAPs can choose either a web-based or direct IP solution.

Program Goals and Objectives

The Text-to-9-1-1 Program is designed to ensure that all PSAPs that have not yet implemented SMS Text-to-9-1-1 have funding to implement this service by the July 1, 2020 and to maintain this service until NG9-1-1 deployment. Text-to-9-1-1 is a core feature of NG9-1-1.

Payment Request Process

The PSAP Grant Program has a reimbursement cash disbursement policy. Payment requests may be submitted by award recipients after the award period begins and no later than 45 calendar days after the award period ends, (or next business day if the 45th day falls on a weekend or holiday) or as adjusted by any award extensions. Only invoices are acceptable forms of documentation and must reflect dates that fall within the actual award period. Payment requests must be sent electronically to the PSAP Grant Program mailbox (psapgrants@vita.virginia.gov) on the appropriate form, along with an invoice.

Award recipients must wait until services are performed or goods are received, which must occur during the actual award period, and the corresponding invoices are received and/or paid in order to recover costs. For projects involving milestone payments, invoices may be submitted in accordance with executed contracts. A copy of the payment terms section of an executed contract that identifies the milestones must be included with the payment request. If a participant in a multi-jurisdictional project, other than the fiscal agent, is seeking reimbursement for an award-related expense, the participant must have the written approval of the fiscal agent in order for the reimbursement request to be processed.

In the event that that additional documentation is required from the funding grant recipient to process the payment reimbursement request, the Program Manager shall make the first contact with the funding recipient to request the information. Generally, such requests will be made by email, but can be made by telephone if easier with an email follow up for documentation. The Regional Coordinator for the locality will be copied on the request and follow up emails. The payment request will be held until the additional information is provided and not be partially paid, unless requested by the PSAP.

- If the required information is not received from the funding recipient within ten (10) business days of the request for additional information, the Program Manager will alert the Regional Coordinator for that locality to follow up with the funding recipient. The Regional

Coordinator will contact the funding recipient to determine the cause for the delay in response and work with the Program Manager to determine a path forward to getting the required information or rejecting the request.

- If the required information is not received by the Program Manager within twenty (20) business days of the request for additional information, the Program Manager will alert the PSC Coordinator. The PSC Coordinator will determine if additional action is necessary.
- If the required information is not received by the Program Manager within thirty (30) business days of the request for additional information, the Program Manager will summarily reject the Funding Drawdown Request with an email to the grant recipient, copying the responsible Regional Coordinator and PSC Coordinator, asking them to resubmit the non-PEP drawdown request when all of the required information is available.

In addition, payment requests will be held until all required progress reports, or other Board required information, are received.

Progress Reports

Beginning July 1, 2019, ISP staff will prepare quarterly progress reports for all grant award recipients until the grant is closed. These reports will be shared with the Grant Committee at the next scheduled meeting after the reports are completed.

Award Extension Requests

The Board will determine the process for PSAPs to request an award extension and ISP staff will advise award recipients.

Award Closure

The Board will determine the process for PSAPs to close their award and ISP staff will advise award recipients.

APPENDIX

APPENDIX A: INTEROPERABILITY REQUIREMENTS

Interoperable Definition for Commonwealth of Virginia NG9-1-1 ESInet¹

Below is a summary of requirements for a NG9-1-1 Solutions provider other than AT & T to be considered interoperable with the Fairfax County NG9-1-1 ESInet (“Commonwealth’s ESInet”) solution.

- Jurisdiction’s ESInet solution will be responsible to ensure integrated text, voice, and data interoperability with the state’s NG9-1-1 solution. This includes, but is not limited to, the following requirements:
 - o Establishing redundant, diverse ESInet and Next Generation Core Services (NGCS) connectivity to the Commonwealth’s ESInet at locations defined by VITA.
 - o Providing NENA standards based border control function (BCF) at the jurisdiction’s NG9-1-1 provider’s edge.
 - o Ensuring NOC to NOC communications SOPs are established between the jurisdiction and the Commonwealth ESInet.
 - o Lab-to-lab testing in non-live environment with current production software releases to verify interoperability.
 - o Support Transitional paths to NG9-1-1 to allow transfer of calls to any neighboring jurisdiction (support legacy call transfer to an ESInet [via interworking IPSR² to i3³ protocols] and support inbound ESInet calls to a legacy PSAP [via interworking i3 to IPSR protocols]).
 - o Support SIP interconnection with use of SIP call delivery and use of i3 protocols including but not limited to PIDF-LO, LoST, HELD, GET, SIP REFER, Subscribe/Notify messaging, and EIDD as defined by the Commonwealth’s NGCS provider’s specification.
 - o Provide an ESInet solution inclusive of pricing for text-to-911 Text Control Center services. This solution must provide the ability to transfer texts received initially at the first PSAP to any other Commonwealth PSAP, regardless of NG9-1-1 ESInet/NGCS services provider.

¹ ESInet (Emergency Services IP Network) – a managed IP network used for emergency services communications that can be shared by all agencies. In the context of this definition, the Next Generation Core Services (NGCS) that operate on the ESInet are included.

² IPSR replaces the functions of legacy selective routers by routing 9-1-1 calls via Internet Protocol (IP) to a PSAP using existing mechanisms (e.g., ANI, p-ANI, ESRK) and converts the call to SIP signaling.

³ I3 is shorthand terminology for the ESInet and NGCS and systems that are in conformance with NENA-STA-010.