



9-1-1 Services Board

General Business Meeting

May 24, 2018





Agenda

1. Call to Order
2. Approval of Minutes
3. FY 20 PSAP Grant Program Guidelines
4. NG9-1-1 Deployment Update
5. CMRS Providers Contract
6. Old Business
7. New Business
8. Public Comment
9. Adjourn



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FY 20

PSAP Grant Program Guidelines





Definitions

- Call Handling Equipment (CHE)
- Computer Aided Dispatch (CAD)
- Interoperability
- Legacy Network Gateway (LNG)
- Mapping System



Definitions

- Migration Proposal (MP)
- NG9-1-1 Deployment Period
- NG9-1-1 GIS Projects
- Proposal Acceptance Letter (PAL)
- Secondary PSAPs



NG9-1-1 Migration Program

- Provides funding for NG9-1-1 migration expenses for call routing transitioning to ESI-net during deployment period
- Eligible participants:
 - Primary PSAPs
 - Secondary PSAPs currently served by a selective router pair



NG9-1-1 Program Application

- The Migration Proposal (MP) and the Proposal Acceptance Letter (PAL) would comprise a NG9-1-1 Migration Program funding request



PSAP Migration Proposal

- Provides information to PSAP about costs/funding, process and schedule
- Intended to define NG9-1-1 readiness based on vendor solution
- Designed to be an aid in local NG9-1-1 decision making



PSAP Migration Proposal

(continued)

- Collaborative Effort
 - Local PSAP/GIS/IT
 - VITA
 - AT&T/E9-1-1 Service Provider/CHE Maintenance
- ISP staff will be preparing a MP for all PSAPs based on AT&T contract
- If an RFP is issued and another contract awarded, additional MP will be prepared



PSAP Migration Proposal

(continued)

- Sections of Plan
 - PSAP Systems and Applications
 - GIS Data Preparation
 - Call Routing
 - Network
 - Cost Estimates/Funding



Proposal Acceptance Letter (PAL)

- NG9-1-1 funding request
- Amount requested should not exceed the cost estimates contained in the MP
- Confirms PSAP's acceptance of the MP and signals intent to deploy NG9-1-1



Proposal Acceptance Letter (continued)

- Addresses contingency funding and material changes
- Execute contract with NG9-1-1 solutions provider within 3 months of PAL approval
- Complete all identified NG9-1-1 ready implementation steps within 3 months of the scheduled deployment date



NG9-1-1 Funding

- Amount of funding to be based on the analysis contained in the MP
- Many items eligible for funding in previous grant guidelines would no longer be funded



CHE and Consolidation Projects

- Funding available for non-vendor supported (NVS) CHE replacement and physical consolidation projects:
 - 200,000 per PSAP in a shared services CHE project
 - \$150,000 for an individual PSAP CHE project
 - \$500,000 per physical consolidation project



Other NG9-1-1 Recommendations

- Funding awards are for three years
- Funding cycle would begin on July 1, 2018 and remain open throughout the deployment period
- Funding applications and amendments would be reviewed and approved on an ongoing basis



PSAP Education Program (PEP)

- This program provides funding to primary PSAPs for the purpose of obtaining 9-1-1 and GIS education and training
- Secondary PSAPs are not eligible for PEP funding
- Certifications are an allowable PEP item



PEP Funding

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



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Grant Extension Requests





Grant Extension Requests

- Greensville – Mapping – Grant ID 51
- Highland – Call Recorder – Grant ID 62
- NOVA – ESINet – Grant ID 35
- Tazewell – Shared CHE – Grant ID 130
- Tazewell – Region IV NG911 GIS – Grant ID 128
- Tazewell – Region IV NG911 GIS – Grant ID 129



NG9-1-1 Deployment Update



Deployment Plan

- 9-1-1 is a local service so decision is local
- Use of Fairfax County contract with AT&T is recommended
- Locality can issue own RFP for services
- VITA will not be conducting another RFP
- Deployment by selective router region
- 36-month deployment by population
- Significant preparatory work required

Deployment Plan

(continued)

- Anticipated Project Timeline

ID	Task Name	Q4 17				Q1 18			Q2 18			Q3 18			Q4 18			Q1 19					
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar			
1	Develop State Level Plan	█																					
2	Socialize State Level Plan with Stakeholders					█																	
3	Board Approval of Plan																						
						◆																	
4	Develop PSAP Migration Proposals					█																	
5	Outreach/Education					█																	
6	NG9-1-1 Deployment Decision								█														
7	Funding Requests/Determinations																	Continue through 2022 →					
8	NG9-1-1 Deployments																	Continue through 2022 →					



Deployment Plan

(continued)

- Overall Budget
 - Transitional costs – limited in duration

Category	Amount
NG9-1-1 non-recurring cost	\$476,000
Diverse connectivity costs	\$31,830,516
GIS data preparation	\$3,246,226
Originating service provider (OSP) transition cost	\$5,000,000
Legacy 9-1-1 service provider transition costs	\$5,000,000
Project management assistance	\$1,750,000
Data analytics expansion	\$59,500
Total	\$47,362,242



Deployment Plan

(continued)

- Overall Budget
 - Recurring costs – annual ongoing costs

Category	Amount
NG9-1-1 recurring costs	\$10,749,443
Originating service provider (OSP) recurring cost	\$5,000,000
Data analytics recurring costs	\$561,404
Total	\$16,310,847

- Sufficient funding exists
 - Wireless Fund
 - Local expenditures for legacy recurring costs



Schedule

Selective Routers	9-1-1 Service Provider	Population	Time Period
Fairfax/Alexandria	Verizon	2,494,184	2Q-2019
High St Portsmouth/Jefferson	Verizon	1,662,247	4Q-2019
Stuart/Chester	Verizon	1,660,182	2Q-2020
Charlottesville/Farmville	CenturyLink	403,369	4Q-2020
Fredericksburg/Winchester	Verizon	343,031	4Q-2020
Danville/Lynchburg Church St	Verizon	320,247	4Q-2020
Staunton/Salem	Verizon	453,065	2Q-2021
Shenandoah County ECC	Shentel	43,175	2Q-2021
Covington	Ntelos	21,556	2Q-2021
Floyd County	Citizens Telephone	15,755	2Q-2021
New Castle	TDS Telecom	5,158	2Q-2021
Monterey-Highland Telephone	Highland Telephone	2,216	2Q-2021
Blacksburg/Norton	Verizon	340,101	4Q-2021
Johnson City/Wytheville	CenturyLink	338,311	4Q-2021



PSAP Migration Proposal (continued)

- ISP staff has completed draft MPs for the following PSAPs:
 - Greenville
 - Charlottesville-UVA-Albemarle
 - Mecklenburg
 - Roanoke City
 - Buchanan
- Shared two draft MPs with Regional Advisory Council (RAC)



PSAP Migration Proposal (continued)

- ISP staff is preparing to create an MP for each PSAP
- Data collection and validation sheets have been distributed to all PSAPs
- Deadline to return form is **May 31st**



PSAP Migration Proposal (continued)

- ISP staff will use form to develop draft MP and will begin delivery after May Board meeting
- ISP staff will review MPs with PSAPs and finalize document by June 30th



PSAP Migration Proposal (continued)

- If locality decides to proceed with the AT&T solution, the MP along with a PAL will serve as the NG9-1-1 deployment funding request
- If locality decides to proceed with another vendor solution, an MP based on that solution will be developed



2018 ALI/MSAG/GIS Analysis

- ISP staff is conducting an analysis of ALI, MSAG, and GIS data for PSAPs
- ISP staff has received data from Verizon, CenturyLink, and West
 - Complete ALI/MSAG review by May 25th
- Final MPs will contain match rates from 2018 analysis
- Additional GIS report to localities



NG9-1-1 Deployment Funding

- FY 20 PSAP Grant Program Guidelines provides frameworks
 - NG9-1-1 Migration Program
 - MP and PAL
- Rolling application period beginning July 1st and throughout deployment period



Next Steps

- Develop process to review NG9-1-1 funding requests and amendments
- Review completed MPs and develop PSAP spending plans
- 2019 legislative agenda
 - Borrowing authority
- Outcome of Tidewater RFP



CMRS Providers Contract



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Old Business





Funding Formula Recalculation

- Funding spreadsheet with new percentages has been shared with PSAP community
- Percentages go into effect on July 1, 2018 and have been provided to TAX



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New Business





RAC Report

- In-person planning meeting to occur in July/August to discuss FY 19 tasks
- Current work group activities:
 - NG9-1-1 GIS Data Provisioning
 - COOP Template
 - Minimum Training Standards



NET911 Act Filing

- New and Emerging Technologies 911 Improvement Act of 2008 (NET911 Act) requires FCC to report to Congress annually regarding the collection and expenditure of fees or charges established by states or other jurisdictions in connecting 911/E911 services



NET911 Act Filing

- ISP staff completes a filing annually for the preceding calendar year
- Current filing is for calendar year 2017 and is due by June 29, 2018
- Origin of the term “Diversion List” comes from NET911 Act



Information Collected in Filing

- Overview of state's 911 system
- Authority enabling establishment of 911/E911 funding mechanism
- Authority that determines how 911/E911 fees are collected and spent
- Types and uses of collected 911/E911 fees
- Diversion or transfer of 911/E911 fees for other uses
- Oversight and auditing of the collection and uses of 911/E911 fees
- NG911 services and cybersecurity expenditures
- Measuring effective utilization of 911/E911 fees



FY 18 Annual Report Requirements

- State of enhanced 9-1-1 services in the commonwealth
- Impact of, or need for, legislation affecting enhanced 9-1-1 services in the commonwealth



FY 18 Annual Report Requirements

- Need for changes in the E-911 funding mechanism provided to the Board, as appropriate
- Monitor developments in enhanced 9-1-1 service and multi-line telephone systems and the impact of such technologies



FY 18 Annual Report Requirements

- Delivered to identified parties by October 1, 2018
- Format of FY 18 Report:
 - Electronic filing of the written report
 - Story map companion



Powhatan Grant Award Amendment

- Locality is seeking an additional \$30,373 for a text-to-9-1-1 project
 - Amended grant award amount is \$56,737
- Vendor quote did not include firewalls and server equipment and number of positions has increased to six
- Staff is recommending approval



And In Conclusion

- Public Comment
- Adjourn
- Next meeting date is July 12, 2018