



# Policy Committee Meeting


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June 25, 2015





# Agenda

1. Call to Order
2. Approval of Minutes
3. Continued Discussion of E-911 Services Board's Role in NG9-1-1
4. Staff Support Discussion
5. Draft Legislation Discussion 
6. Old Business
7. New Business
8. Public Comment
9. Adjourn



# E-911 Services Board's Role





## Guiding Principles

- 9-1-1/GIS are essential, local/regional, public safety services
- Need to address ALL of 9-1-1 not just NG
- Full stakeholder engagement is needed
- Services must not be degraded
- Economies need to be leveraged
- Doing nothing is NOT an option

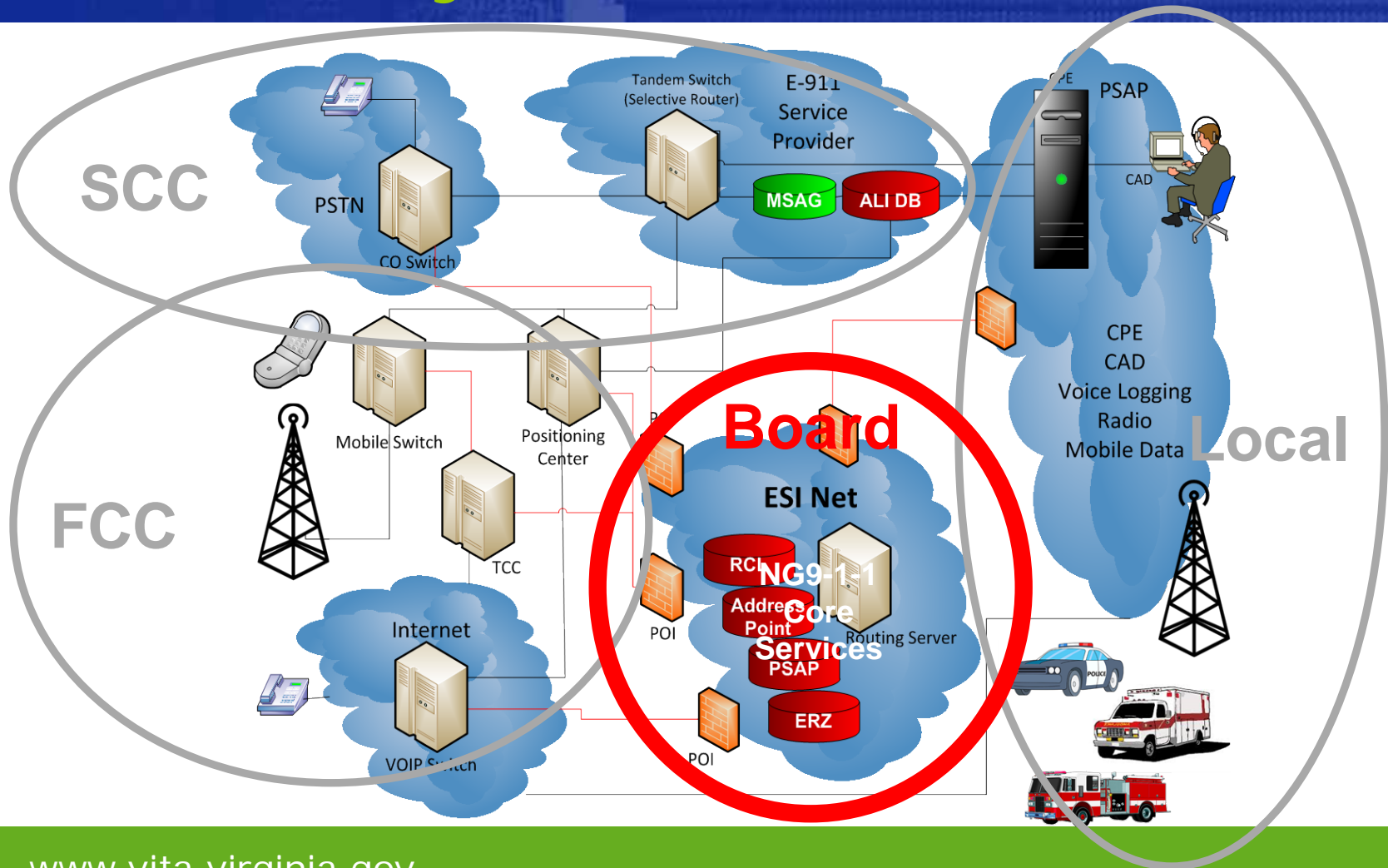


## NG-911 Governance/Legislative

- Address in first year:
  - Develop educational material for decision makers
  - Establish responsibility for the E-911 Board and supporting staff
  - Preserve and codify 9-1-1 as a locally managed, essential, public safety service
- Primarily assigned to Policy Committee
- Meetings March 26<sup>th</sup> and April 28<sup>th</sup>
- Goal to have legislation drafted by August 1



# 9-1-1 Ecosystem





## Role of the Board

- Define Standards for:
  - NG9-1-1 Core Services
  - ESI Net
  - PSAP Function
  - Processing of information through the ESI Net
  - Ensuring the Commonwealth can operate as a single network and interoperate with other states
- Assist localities with best practices for those things in Local control

NENA I3 Standard



## Other Roles Discussed

- Collaborate with SCC and others
- Enter into contracts
- Ensure compliance with relevant legislation and regulations
- Entity responsible for NG9-1-1 service provider certification/rulemaking authority
- Technical assistance
- Relationship with greater public safety and homeland security agencies
- I3 Standard





## Specific NENA I3 Functions

- Addresses are pre-validated against the Location Validation Function (LVF)
- Calls enter through a Border Control Function (BCF)
- Routed through Emergency Services Routing Proxy (ESRP)
- Routing data supplied by Emergency Call Routing Function (ECRF)
- Policy Routing Function (PRF)
- Data maintained in Spatial Information Function (SIF)



## Other ESINet Requirements

- Diversity
- Redundancy
- Availability
- Security
- Network Management/Monitoring
- Interconnected Systems



# Draft Legislation





## Board Establishment § 56-484.13

- A. The Wireless E-911 Services Board is hereby continued as the E-911 Services Board. The Board shall plan, promote and offer assistance:
1. In the statewide development, deployment, and maintenance of enhanced wireless emergency telecommunications services and technologies; and
  2. In the development and deployment of enhanced wireline emergency telecommunications services and technologies only in specific local jurisdictions that were not wireline E-911 capable by July 1, 2000.

The Board shall exercise the powers and duties conferred in this article.



## Board Establishment

(continued)

- B. The E-911 Services Board may promote and offer planning assistance:
1. In the statewide development, deployment, and maintenance of VoIP E-911 and any other future communications technologies accessing E-911 for emergency purposes;
  2. To the Virginia Information Technologies Agency (VITA), and other stakeholder agencies, in the development and deployment of a statewide public safety network that will support future E-911 and other public safety applications; and
  3. However, the Board shall seek funding from sources other than CMRS providers or customers of CMRS to support efforts that exceed the scope of wireless E-911 service.



## Board's Powers and Duties § 56-484.14

1. Make and enter into all contracts and agreements necessary or incidental to the performance of its duties and the execution of its powers, including purchase agreements payable from (i) the Wireless E-911 Fund and (ii) other moneys appropriated for the provision of enhanced 9-1-1 services.
2. Pursue all legal remedies to enforce any provision of this article, or any contract entered into pursuant to this article.
3. Develop a comprehensive, statewide enhanced 9-1-1 plan for wireless E-911, VoIP E-911, and any other future communications technologies accessing E-911 for emergency purposes. In constructing and periodically updating this plan as appropriate, the Board shall monitor trends and advances in enhanced wireless, VoIP, and other emergency telecommunications technologies, plan and forecast future needs for these enhanced technologies, and formulate strategies for the efficient and effective delivery of enhanced 9-1-1 services in the future with the exclusion of traditional circuit-switched wireline 9-1-1 service.





## Board's Powers and Duties (continued)

4. Grant such extensions of time for compliance with the provisions of § [56-484.16](#) as the Board deems appropriate.
5. Take all steps necessary to inform the public of the use of the digits "9-1-1" as the designated emergency telephone number and the use of the digits "#-7-7" as a designated non-emergency telephone number.
6. Report annually to the Governor, the Senate Committee on Finance and the House Committee on Appropriations, and the Virginia State Crime Commission on (i) the state of enhanced 9-1-1 services in the Commonwealth, (ii) the impact of, or need for, legislation affecting enhanced 9-1-1 services in the Commonwealth, and (iii) the need for changes in the E-911 funding mechanism provided to the Board, as appropriate.



## Board's Powers and Duties (continued)

7. Provide advisory technical assistance to PSAPs and state and local law enforcement, and fire and emergency medical service agencies, upon request.
8. Collect, distribute, and withhold moneys from the Wireless E-911 Fund as provided in this article.
9. Develop a comprehensive single, statewide electronic addressing database to support geographic data and statewide base map data programs pursuant to § [2.2-2027](#).
10. Receive such funds as may be appropriated for purposes consistent with this article and such gifts, donations, grants, bequests, or other funds as may be received from, applied for or offered by either public or private sources.
11. Manage other moneys appropriated for the provision of enhanced emergency telecommunications services.



## Board's Powers and Duties (continued)

12. Perform all acts necessary, convenient or desirable to carrying out the purposes of this article.
13. Drawing from the work of E-911 professional organizations, in its sole discretion, publish best practices for PSAPs. These best practices shall be voluntary and recommended by a subcommittee composed of PSAP representatives.
14. Monitor developments in enhanced 9-1-1 service and multiline telephone systems and the impact of such technologies upon the implementation of Article 8 (§ [56-484.19](#) et seq.). The Board shall include its assessment of such impact in the annual report filed pursuant to subdivision 6.



## Local Requirement § 56-484.16

- A. On or before July 1, 2003, every county, city or town in the Commonwealth shall be served by an E-911 system, unless an extension of time has been granted by the Board.
  
- B. The digits "9-1-1" shall be the designated emergency telephone number in Virginia. No public safety agency shall advertise or otherwise promote the use of any number for emergency response service other than "9-1-1".



## Local Requirement Changes

§ 56-484.16

A. ~~On or before July 1, 2003, e~~Every county, city or town in the Commonwealth shall be served by an E-911 system., ~~unless an extension of time has been granted by the Board.~~ The provision of 9-1-1 shall be considered an essential, local public safety service.



## Board Establishment § 56-484.13

- A. The E-911 Services Board is hereby continued and shall:
1. Support and assist PSAPs in the provision of E-911 operations and services through provision of funding and development of best practices;
  2. Plan, promote and assist in the statewide development, deployment, and maintenance of an **Emergency Services IP network** to support future E-911 and other public safety applications; and
  3. However, the Board shall not require local deployment of this network without local approval.

The Board shall exercise the powers and duties conferred in this article.

- Delete Section B





## Powers and Duties Changes

12. Perform all acts necessary, convenient or desirable to carrying out the purposes of this article.
13. Drawing from the work of E-911 professional organizations, in its sole discretion, publish best practices for PSAPs. These best practices shall be voluntary and recommended by a subcommittee composed of PSAP representatives.
14. Develop and publish standards for an **Emergency Services IP Network** to ensure that enhanced public safety telephone services seamlessly interoperate within the Commonwealth and with surrounding states.
15. Monitor developments in enhanced 9-1-1 service and multiline telephone systems and the impact of such technologies upon the implementation of Article 8 (§ [56-484.19](#) et seq.). The Board shall include its assessment of such impact in the annual report filed pursuant to subdivision 6.



# Staff Support





## Current Staff Support

- ISP Director
- PSC Coordinator
- Two Program Managers
  - Grants Manager
  - CMRS/True-up Manager
- Radio Engineer
- Regional Coordinators
- Administrative Assistant
- Vacant Radio Manager Position



# PSC Budget

## Virginia Information Technologies Agency (136)

421.	<b>Emergency Response Systems Development Technology Services (71200)</b>	<b>19,530,245</b>	<b>22,710,917</b>
	<b>Emergency Communication Systems Development Services (71201)</b>	<b>6,734,309</b>	<b>6,734,309</b>
	Financial Assistance to Localities for Enhanced Emergency Communications Services (71202)	7,803,968	10,984,640
	Financial Assistance to Service Providers for Enhanced Emergency Communications Services (71203)	4,991,968	4,991,968
Fund Sources:	Dedicated Special Revenue	19,530,245	22,710,917



## PSC Budget Language

- A.1.a. Out of the amounts for Emergency Communication Systems Development Services, \$1,000,000 the first year and \$1,000,000 the second year from dedicated special revenue shall be used for development and deployment of improvements to the statewide E-911 network.
  - b. These funds shall remain unallotted until their expenditure has been approved by the Wireless E-911 Services Board.
- 2. Out of the amounts for Emergency Communication Systems Development Services, \$4,000,000 the first year and \$4,000,000 the second year from dedicated special revenue shall be used for wireless E-911 service costs as determined by the Wireless E-911 Services Board.
- B. The operating expenses, administrative costs, and salaries of the employees of the Public Safety Communications Division shall be paid from the Wireless E-911 Fund created pursuant to § 56-484.17.



# PSC Budget Detail

Description	FY15	FY16
Emergency Communication Systems Development Services (71201)	6,734,309	6,734,309
Development and deployment of improvements to E-911 network	1,000,000	1,000,000
Wireless E-911 Service Cost (Wireless billing agreements)	4,000,000	4,000,000
<b>Remaining Funding</b>	<b>1,734,309</b>	<b>1,734,309</b>
PSC Personnel Costs	1,439,335	1,439,335
Operating Costs	102,274	102,274
APA Audit	20,000	20,000
VITA Overhead	100,100	100,100
Computers	37,000	37,000
<b>Total Budgeted</b>	<b>1,698,709</b>	<b>1,698,709</b>





## Staffing Support Plan

- CMRS/True-Up Manager to transition to ESINet Manager
- Need for Standards/Best Practices Manager
  - Manage the process of setting and monitoring compliance
  - Work closely with RAC to prioritize and develop required standards and best practices
  - Total costs estimated at \$110,000
  - Can use vacant Radio Manager position



## PSC Legislation - § 2.2-2031

- A. There is established within VITA a Division of Public Safety Communications (the Division), which shall be headed by a Virginia Public Safety Communications Coordinator, appointed by the CIO with the advice and consent of the E-911 Services Board. The Division shall consist of such personnel as the CIO deems necessary. The operating expenses, administrative costs, and salaries of the employees of the Division shall be paid from the Wireless E-911 Fund created pursuant to § [56-484.17](#).



## PSC Legislation - § 2.2-2031

B. The Division shall provide staff support to the E-911 Services Board and encourage, promote, and assist in the development and deployment of statewide enhanced emergency telecommunications systems.



# Old Business





# New Business





## Conclusion

- Public Comment
- Adjourn
- Next meeting date is July 9<sup>th</sup>