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**HOUSE BILL NO. 756**

AMENDMENT IN THE NATURE OF A SUBSTITUTE  
(Proposed by the House Committee on Commerce and Labor  
on February 2, 2016)

(Patron Prior to Substitute—Delegate Lingamfelter)

*A BILL to amend and reenact §§ 2.2-225, 2.2-2031, 56-484.12, 56-484.13, and 56-484.14 of the Code of Virginia, relating to enhanced public safety telephone services; E-911 Services Board renamed the 9-1-1 Services Board.*

**Be it enacted by the General Assembly of Virginia:**

**1. That §§ 2.2-225, 2.2-2031, 56-484.12, 56-484.13, and 56-484.14 of the Code of Virginia are amended and reenacted as follows:**

**§ 2.2-225. Position established; agencies for which responsible; additional powers.**

The position of Secretary of Technology (the Secretary) is created. The Secretary shall be responsible to the Governor for the following agencies, councils, and boards: Information Technology Advisory Council, Innovation and Entrepreneurship Investment Authority, Virginia Information Technologies Agency, Virginia Geographic Information Network Advisory Board, and the ~~E-911~~ 9-1-1 Services Board. The Governor, by executive order, may assign any other state executive agency to the Secretary, or reassign any agency listed in this section to another Secretary.

Unless the Governor expressly reserves such power to himself, the Secretary may, with regard to strategy development, planning and budgeting for technology programs in the Commonwealth:

1. Monitor trends and advances in fundamental technologies of interest and importance to the economy of the Commonwealth and direct and approve a stakeholder-driven technology strategy development process that results in a comprehensive and coordinated view of research and development goals for industry, academia and government in the Commonwealth. This strategy shall be updated biennially and submitted to the Governor, the Speaker of the House of Delegates and the President Pro Tempore of the Senate.

2. Work closely with the appropriate federal research and development agencies and program managers to maximize the participation of Commonwealth industries and universities in these programs consistent with agreed strategy goals.

3. Direct the development of plans and programs for strengthening the technology resources of the Commonwealth's high technology industry sectors and for assisting in the strengthening and development of the Commonwealth's Regional Technology Councils.

4. Direct the development of plans and programs for improving access to capital for technology-based entrepreneurs.

5. Assist the Joint Commission on Technology and Science created pursuant to § 30-85 in its efforts to stimulate, encourage, and promote the development of technology in the Commonwealth.

6. Continuously monitor and analyze the technology investments and strategic initiatives of other states to ensure the Commonwealth remains competitive.

7. Strengthen interstate and international partnerships and relationships in the public and private sectors to bolster the Commonwealth's reputation as a global technology center.

8. Develop and implement strategies to accelerate and expand the commercialization of intellectual property created within the Commonwealth.

9. Ensure the Commonwealth remains competitive in cultivating and expanding growth industries, including life sciences, advanced materials and nanotechnology, biotechnology, and aerospace.

10. Monitor the trends in the availability and deployment of and access to broadband communications services, which include, but are not limited to, competitively priced, high-speed data services and Internet access services of general application, throughout the Commonwealth and advancements in communications technology for deployment potential. The Secretary shall report annually by December 1 to the Governor and General Assembly on those trends.

11. Designate specific projects as enterprise information technology projects, prioritize the implementation of enterprise information technology projects, and establish enterprise oversight committees to provide ongoing oversight for enterprise information technology projects. At the discretion of the Governor, the Secretary shall designate a state agency or public institution of higher education as the business sponsor responsible for implementing an enterprise information technology project, and shall define the responsibilities of lead agencies that implement enterprise information technology projects. For purposes of this subdivision, "enterprise" means an organization with common or unifying business interests. An enterprise may be defined at the Commonwealth level or Secretariat level for programs and project integration within the Commonwealth, Secretariats, or multiple agencies.

12. Establish Internal Agency Oversight Committees and Secretariat Oversight Committees as

60 necessary and in accordance with § 2.2-2021.

61 13. Review and approve the Commonwealth strategic plan for information technology, as developed  
62 and recommended by the Chief Information Officer pursuant to § 2.2-2007.

63 14. Communicate regularly with the Governor and other Secretaries regarding issues related to the  
64 provision of information technology services in the Commonwealth, statewide technology initiatives, and  
65 investments and other efforts needed to achieve the Commonwealth's information technology strategic  
66 goals.

67 15. Provide consultation on guidelines, at the recommendation of the Innovation and  
68 Entrepreneurship Investment Authority, for the application, review, and award of funds from the  
69 Commonwealth Research Commercialization Fund pursuant to § 2.2-2233.1.

70 **§ 2.2-2031. Division of Public Safety Communications established; appointment of Virginia**  
71 **Public Safety Communications Coordinator; duties of Division.**

72 A. There is established within VITA a Division of Public Safety Communications (the Division),  
73 which shall be headed by a Virginia Public Safety Communications Coordinator, appointed by the CIO  
74 with the advice and consent of the ~~E-911~~ 9-1-1 Services Board. The Division shall consist of such  
75 personnel as the CIO deems necessary. The operating expenses, administrative costs, and salaries of the  
76 employees of the Division shall be paid from the Wireless E-911 Fund created pursuant to § 56-484.17.

77 B. The Division shall provide staff support to the ~~E-911~~ 9-1-1 Services Board and encourage,  
78 promote, and assist in the development and deployment of statewide enhanced emergency  
79 telecommunications systems.

80 **§ 56-484.12. Definitions.**

81 As used in this article, unless the context requires a different meaning:

82 "Automatic location identification" or "ALI" means a telecommunications network capability that  
83 enables the automatic display of information defining the geographical location of the telephone used to  
84 place a wireless ~~Enhanced~~ enhanced 9-1-1 call.

85 "Automatic number identification" or "ANI" means a telecommunications network capability that  
86 enables the automatic display of the telephone number used to place a wireless Enhanced 9-1-1 call.

87 "Board" means the ~~E-911~~ 9-1-1 Services Board created pursuant to this article.

88 "Chief Information Officer" or "CIO" means the Chief Information Officer appointed pursuant to  
89 § 2.2-2005.

90 "Coordinator" means the Virginia Public Safety Communications Systems Coordinator employed by  
91 the Division.

92 "CMRS" means mobile telecommunications service as defined in the federal Mobile  
93 Telecommunications Sourcing Act, 4 U.S.C. § 124, as amended.

94 "CMRS provider" means an entity authorized by the Federal Communications Commission to provide  
95 CMRS within the Commonwealth of Virginia.

96 "Division" means the Division of Public Safety Communications created in § 2.2-2031.

97 "Emergency services IP network" or "ESInet" means a shared public safety agency-managed Internet  
98 protocol (IP) network that (i) is used for emergency services communications, (ii) provides an IP  
99 transport infrastructure that is capable of carrying voice and data and that supports next generation  
100 9-1-1 service core functions such as routing and location validation of emergency service requests, and  
101 (iii) is engineered, managed, and intended to support emergency public safety communications and 9-1-1  
102 service.

103 "Enhanced 9-1-1 service" or "E-911" means a service consisting of telephone network features and  
104 PSAPs provided for users of telephone systems enabling such users to reach a PSAP by dialing the  
105 digits "9-1-1." Such service automatically directs 9-1-1 emergency telephone calls to the appropriate  
106 PSAPs by selective routing based on the geographical location from which the emergency call originated  
107 and provides the capability for ANI and ALI features.

108 "FCC order" means Federal Communications Commission Order 94-102 (61 Federal Register 40348)  
109 and any other FCC order that affects the provision of E-911 service to CMRS customers.

110 "Local exchange carrier" means any public service company granted a certificate to furnish public  
111 utility service for the provision of local exchange telephone service pursuant to Chapter 10.1 (§ 56-265.1  
112 et seq.) of Title 56.

113 "Next generation 9-1-1 service" or "NG9-1-1" means a service that (i) consists of coordinated  
114 intrastate 9-1-1 IP networks serving residents of the Commonwealth with the routing of emergency  
115 service requests, by voice or data, across public safety ESInets; (ii) automatically directs 9-1-1  
116 emergency telephone calls and other emergency service requests in data formats to the appropriate  
117 PSAPs by routing using geographical information system data; (iii) provides for ANI and ALI features;  
118 and (iv) interconnects with enhanced 9-1-1 service.

119 "9-1-1 service" includes E-911 and NG9-1-1.

120 "Place of primary use" has the meaning as defined in the federal Mobile Telecommunications  
121 Sourcing Act, 4 U.S.C. § 124, as amended.

"Postpaid CMRS" means CMRS that is not prepaid CMRS, as defined in § 56-484.17:1.

"Public safety answering point" or "PSAP" means a facility (i) equipped and staffed on a 24-hour basis to receive and process ~~E-911~~ 9-1-1 calls or (ii) that intends to receive and process ~~E-911~~ 9-1-1 calls and has notified CMRS providers in its jurisdiction of its intention to receive and process such calls.

"VoIP service" means interconnected voice over Internet protocol service as defined in the Code of Federal Regulations, Title 47, Part 9, section 9.3, as amended.

"Wireless E-911 CMRS costs" means all reasonable, direct recurring and nonrecurring capital costs and operating expenses incurred by CMRS providers in designing, upgrading, leasing, purchasing, programming, installing, testing, administering, delivering, or maintaining all necessary data, hardware, software and local exchange telephone service required to provide wireless E-911 service, which have been sworn to by an authorized agent of a CMRS provider.

"Wireless E-911 Fund" means a dedicated fund consisting of all moneys collected pursuant to the wireless E-911 surcharge, all prepaid wireless E-911 charges collected pursuant to § 56-484.17:1, and any additional funds otherwise allocated or donated to the Wireless E-911 Fund.

"Wireless E-911 service" means the E-911 service required to be provided by CMRS providers pursuant to the FCC order.

"Wireless E-911 surcharge" means a monthly fee of \$0.75 billed with respect to postpaid CMRS customers by each CMRS provider and CMRS reseller on each CMRS device capable of two-way interactive voice communication.

**§ 56-484.13. 9-1-1 Services Board; membership; terms; compensation.**

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, formerly the Wireless E-911 Services Board, is hereby continued as the 9-1-1 Services Board. The Board shall exercise the powers and duties conferred in this article.*

B. The ~~E-911 9-1-1 Services Board~~ may promote and offer planning assistance shall:

1. In the statewide development, deployment, and maintenance of ~~VoIP E-911~~ and any other future communications technologies accessing E-911 for emergency purposes *Support and assist PSAPs in the provision of 9-1-1 operations and services, including through provision of funding and development of best practices;*

2. ~~To the Virginia Information Technologies Agency (VITA) Plan, promote, and other stakeholder agencies, assist in the statewide development and, deployment, and maintenance of a statewide public safety an emergency services IP network that will support future E-911 9-1-1 and other public safety applications and technologies; and~~

3. ~~However, the Board shall seek funding from sources other than Consult and coordinate with PSAPs, state and local public bodies in the Commonwealth, public bodies in other states, CMRS providers or customers of CMRS to support efforts that exceed the scope of wireless E-911 service, VoIP service providers affiliated with cable companies, and other entities as needed in the exercise of the Board's powers and duties.~~

C. The Board shall consist of ~~15~~ 16 members as follows: the Director of the Virginia Department of Emergency Management, who shall serve as chairman of the Board; the Comptroller, who shall serve as the treasurer of the Board; the Chief Information Officer; and the following ~~12~~ 13 members to be appointed by the Governor: one member representing the Virginia State Police; one member representing a local exchange carrier providing E-911 service in Virginia; *one member representing VoIP service providers affiliated with cable companies and authorized to transact business in Virginia;* two members representing wireless service providers authorized to do business in Virginia; three county, city, or town PSAP directors or managers representing diverse regions of Virginia; one Virginia sheriff; one chief of police; one fire chief; one emergency medical services manager; and one finance officer of a county, city, or town.

D. The Commonwealth Interoperability Coordinator shall serve as an advisor to the Board in the exercise of the powers and duties conferred in this article so as to ensure, among other matters, that enhanced wireless emergency telecommunications services and technologies are compliant with the statewide interoperability strategic plan.

E. All members appointed by the Governor shall serve five-year terms. The CIO and the Comptroller shall serve terms coincident with their terms of office. No gubernatorial appointee shall serve more than two consecutive terms.

183 F. A majority of the Board shall constitute a quorum. The Board shall meet at least quarterly or at  
184 the call of its chairman.

185 G. Members of the Board shall serve without compensation; however, members of the Board shall be  
186 reimbursed for expenses as provided in §§ 2.2-2813 through 2.2-2826.

187 H. The Division shall provide staff support to the Board. The Geographic Information Network  
188 Division created in § 2.2-2026 and the Virginia Department of Transportation shall provide such  
189 technical advice as the Board requires.

190 **§ 56-484.14. Powers and duties of the 9-1-1 Services Board.**

191 The ~~E-911~~ 9-1-1 Services Board shall have the power and duty to:

192 1. Make and enter into all contracts and agreements necessary or incidental to the performance of its  
193 duties and the execution of its powers, including purchase agreements payable from (i) the Wireless  
194 E-911 Fund and (ii) other moneys appropriated for the provision of enhanced 9-1-1 services.

195 2. Pursue all legal remedies to enforce any provision of this article, or any contract entered into  
196 pursuant to this article.

197 3. Develop a comprehensive, statewide enhanced 9-1-1 plan for wireless E-911, VoIP E-911, and any  
198 other future communications technologies accessing ~~E-911~~ 9-1-1 for emergency purposes. In constructing  
199 and periodically updating this plan as appropriate, the Board shall monitor trends and advances in  
200 enhanced wireless, VoIP, and other emergency telecommunications technologies, plan and forecast future  
201 needs for these enhanced technologies, and formulate strategies for the efficient and effective delivery of  
202 enhanced 9-1-1 services in the future with the exclusion of traditional circuit-switched wireline 9-1-1  
203 service.

204 4. Grant such extensions of time for compliance with the provisions of § 56-484.16 as the Board  
205 deems appropriate.

206 5. Take all steps necessary to inform the public of the use of the digits "9-1-1" as the designated  
207 emergency telephone number and the use of the digits "#-7-7" as a designated non-emergency telephone  
208 number.

209 6. Report annually to the Governor, the Senate Committee on Finance and the House Committee on  
210 Appropriations, and the Virginia State Crime Commission on (i) the state of enhanced 9-1-1 services in  
211 the Commonwealth, (ii) the impact of, or need for, legislation affecting enhanced 9-1-1 services in the  
212 Commonwealth, and (iii) the need for changes in the E-911 funding mechanism provided to the Board,  
213 as appropriate.

214 7. Provide advisory technical assistance to PSAPs and state and local law enforcement, and fire and  
215 emergency medical services agencies, upon request.

216 8. Collect, distribute, and withhold moneys from the Wireless E-911 Fund as provided in this article.

217 9. Develop a comprehensive single, statewide electronic addressing database to support geographic  
218 data and statewide base map data programs pursuant to § 2.2-2027.

219 10. Receive such funds as may be appropriated for purposes consistent with this article and such  
220 gifts, donations, grants, bequests, or other funds as may be received from, applied for or offered by  
221 either public or private sources.

222 11. Manage other moneys appropriated for the provision of enhanced emergency telecommunications  
223 services.

224 12. Perform all acts necessary, convenient, or desirable to carrying out the purposes of this article.

225 13. Drawing from the work of ~~E-911~~ 9-1-1 professional organizations, in its sole discretion, publish  
226 best practices for PSAPs. These best practices shall be voluntary and recommended by a subcommittee  
227 composed of PSAP representatives.

228 14. *Develop or adopt and publish standards for an emergency services IP network and core NG9-1-1*  
229 *services on that network to ensure that enhanced public safety telephone services seamlessly interoperate*  
230 *within the Commonwealth and with surrounding states.*

231 15. Monitor developments in enhanced 9-1-1 service and multiline telephone systems and the impact  
232 of such technologies upon the implementation of Article 8 (§ 56-484.19 et seq.). The Board shall include  
233 its assessment of such impact in the annual report filed pursuant to subdivision 6.