



Sen. Antonio Muñoz

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1 AMENDMENT TO SENATE BILL 239

2 AMENDMENT NO. \_\_\_\_\_. Amend Senate Bill 239 by replacing  
3 everything after the enacting clause with the following:

4 "Section 1. Short title. This Act may be cited as the  
5 In-Building Radio Coverage Enhancement Act.

6 Section 5. Purpose. This Act implements the provisions of  
7 the International Fire Code that assure proper communications  
8 among emergency response personnel to protect life and  
9 commercial buildings during fire and other hazardous threats  
10 through the enhancement of in-building radio signal strength of  
11 the public safety radio system.

12 Section 10. Definitions. As used in this Act:

13 "Approved radio coverage" means that emergency responders  
14 are able to transmit and receive radio signals of the public  
15 safety radio system signal in 95% of all areas on each floor of

1 a commercial building and in 99% of its critical building  
2 areas.

3 "Authority having jurisdiction" means an organization,  
4 office, or individual responsible for enforcing the  
5 requirements of a code or standard, or for approving equipment,  
6 materials, an installation, or a procedure.

7 "Commercial building" means a building other than a  
8 single-family home; a dwelling containing 2 or fewer  
9 apartments, condominiums, or townhomes; or a farm building as  
10 exempted from Section 3 of the Illinois Architecture Practice  
11 Act.

12 "Critical building area" includes a fire command center,  
13 fire pump room, exit stair, exit passageway, elevator lobby,  
14 standpipe cabinet, sprinkler sectional valve location, and  
15 other areas deemed critical by the authority having  
16 jurisdiction.

17 "In-building emergency radio coverage enhancement system"  
18 means the products, such as repeaters, transmitters,  
19 receivers, signal boosters and battery charging systems, used  
20 to provide reliable 2-way wireless radio signal coverage for  
21 emergency responders inside buildings.

22 "Public safety radio system" means a radio system  
23 provisioned, installed, and maintained for the purpose of  
24 providing wireless communication to serve the requirements of  
25 emergency response agencies.

1 Section 15. Approved radio coverage required; in-building  
2 emergency radio enhancement systems.

3 (a) Within 18 months after the effective date of this Act:

4 (1) each applicant for a new construction permit for a  
5 commercial building shall include an assessment of whether  
6 the commercial building has approved radio coverage; and

7 (2) each owner of a commercial building not under  
8 paragraph (1) shall conduct an assessment to determine  
9 whether the commercial building has approved radio  
10 coverage.

11 (b) All new and existing commercial buildings shall have  
12 approved radio coverage to assure proper emergency response and  
13 recovery mechanisms are available. If an assessment under  
14 subsection (a) demonstrates that the in-building radio signal  
15 strength of a public safety radio system fails to provide  
16 approved radio coverage, then:

17 (1) if it is a commercial building under paragraph (1)  
18 of subsection (a), an approved emergency radio coverage  
19 enhancement system shall be installed and maintained in  
20 accordance with Sections 510 and 1103.2 of the 2018  
21 International Fire Code and the 2016 edition of National  
22 Fire Protection Association Standard 1221 before occupancy  
23 of the commercial building; or

24 (2) if it is a commercial building under paragraph (2)  
25 of subsection (a), an approved emergency radio coverage  
26 enhancement system shall be installed and maintained in

1           accordance with Sections 510 and 1103.2 of the 2018  
2           International Fire Code and the 2016 edition of National  
3           Fire Protection Association Standard 1221 within 18 months  
4           of the completion of the assessment.

5           The in-building emergency radio enhancement system shall  
6           be listed by a nationally recognized testing laboratory that is  
7           accredited by the United States Occupational Safety and Health  
8           Administration to test and certify to American National  
9           Standards Institute/Underwriters Laboratories Standard 2524.

10           Section 20. Existing public safety radio systems. This Act  
11           does not require improvement of existing public safety radio  
12           systems.

13           Section 25. Rules. The Office of the State Fire Marshal  
14           shall adopt rules to implement and enforce this Act, including  
15           rules for an accelerated timeline to conduct assessments of  
16           compliance with approved radio coverage in schools, hospitals,  
17           and other areas of mass congregation as determined by the  
18           Office of the State Fire Marshal.

19           Section 99. Effective date. This Act takes effect upon  
20           becoming law.".