

1 **BILL NO. 2007-18**

2 **ORDINANCE NO. _____**

3 AN ORDINANCE TO REQUIRE IN CERTAIN BUILDINGS A MINIMUM LEVEL OF SUPPORT
4 FOR RADIO COVERAGE FOR EMERGENCY SERVICE PERSONNEL, AND TO PROVIDE FOR
OTHER RELATED MATTERS.

5 Sponsored by: Councilman Steven D. Ross

Summary: Requires in certain buildings a
6 minimum level of support for radio coverage for
emergency service personnel.

7 THE CITY COUNCIL OF THE CITY OF LAS VEGAS DOES HEREBY ORDAIN
8 AS FOLLOWS:

9 SECTION 1: Title 16 of the Municipal Code of the City of Las Vegas, Nevada, 1983
10 Edition, is hereby amended by adding thereto a new chapter, designated as Chapter 18, consisting of
11 Sections 10 to 50, inclusive, reading as follows:

12 **16.18.010:** Except as otherwise provided in this Chapter, all buildings (new or existing) that are
13 more than four stories in height shall provide support for adequate radio coverage for emergency
14 service personnel. For purposes of this Section, "support for adequate radio coverage for emergency
15 service personnel" means any combination of building design and signal amplification systems that
16 meets all of the following criteria:

17 (A) There must be a minimum signal strength of one microvolt (- 95 dBm)
18 available in 95% of the area of each floor of the building, with a Delivered Audio Quality (DAQ) of
19 3 when transmitted from a public safety radio communication system. For purposes of this
20 Subsection, a DAQ of 3 means that transmitted speech is understandable with no more than slight
21 effort, and no more than occasional repetition is required because of noise or distortion;

22 (B) The radio frequency ranges which must be supported are the 700 and 800
23 megahertz public safety bands;

24 (C) Any signal amplification system must:

25 (1) Include filters to reject frequencies below and above the designated
26 public safety bands by a minimum of 35 dB;

27 (2) Be 100% compatible with analog or digital modulations after
28 installation without additional adjustment or modification; and

1 (3) Have a 95% reliability factor;

2 (D) Any signal amplification system that contains an electrically powered
3 component must be capable of operating on an independent battery or generator system, or
4 combination thereof, for a period of at least twelve hours, without external power input; and

5 (E) The combination of building design and signal amplification systems must first
6 be approved by the Las Vegas Metropolitan Police Department and the City's Department of Fire and
7 Rescue:

8 (1) For proposed or new construction, prior to the approval of final plans;
9 and

10 (2) For existing construction, in order to achieve and maintain compliance
11 with this Chapter.

12 **16.18.020:** Subject to compliance with Section 16.18.010, radio signal amplification systems that
13 may be used under this Chapter include radiating cable systems, internal multiple antenna system with
14 FCC certificated bi-directional amplifiers as needed, and other FCC-approved technology.

15 **16.18.030:** (A) For new construction, initial testing for compliance with Section 16.18.010 will
16 be performed by the Department of Fire and Rescue or its authorized designee. A certificate of
17 occupancy may be withheld by the Department of Building and Safety if a structure fails to comply.

18 (B) For existing construction, initial testing and periodic testing for compliance
19 (annual or otherwise) will be performed by the Department of Fire and Rescue or its authorized
20 designee, independently or in conjunction with regular inspection procedures.

21 **16.18.040:** In addition to the testing provided for in Section 16.18.030, representatives of the Las
22 Vegas Metropolitan Police Department and the Department of Fire and Rescue may enter upon
23 property at any time to conduct testing of existing buildings to determine compliance with this
24 Chapter. Any such testing must be done upon reasonable notice to the owner or the owner's
25 representative, and in accordance with law.

26 **16.18.050:** This Chapter does not apply to:

27 (A) Any one or two-family dwelling subject to the International Residential Code,
28 as adopted by the City; or

1 (B) Any R-3 or R-4 occupancy as defined in the International Building Code, as
2 adopted by the City.

3 SECTION 2: Buildings that are existing on the date of the adoption of this Ordinance
4 and are not in compliance with the requirements of this Ordinance shall be brought into compliance
5 within one year after written notice from the City to do so, or within such other period specified in the
6 notice.

7 SECTION 3: If any section, subsection, subdivision, paragraph, sentence, clause or
8 phrase in this ordinance or any part thereof is for any reason held to be unconstitutional or invalid or
9 ineffective by any court of competent jurisdiction, such decision shall not affect the validity or
10 effectiveness of the remaining portions of this ordinance or any part thereof. The City Council of the
11 City of Las Vegas hereby declares that it would have passed each section, subsection, subdivision,
12 paragraph, sentence, clause or phrase thereof irrespective of the fact that any one or more sections,
13 subsections, subdivisions, paragraphs, sentences, clauses or phrases be declared unconstitutional,
14 invalid or ineffective.

15 SECTION 4: Whenever in this ordinance any act is prohibited or is made or declared
16 to be unlawful or an offense or a misdemeanor, or whenever in this ordinance the doing of any act is
17 required or the failure to do any act is made or declared to be unlawful or an offense or a
18 misdemeanor, the doing of such prohibited act or the failure to do any such required act shall
19 constitute a misdemeanor and upon conviction thereof, shall be punished by a fine of not more than
20 \$1,000.00 or by imprisonment for a term of not more than six months, or by any combination of such
21 fine and imprisonment. Any day of any violation of this ordinance shall constitute a separate offense.

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SECTION 5: All ordinances or parts of ordinances or sections, subsections, phrases, sentences, clauses or paragraphs contained in the Municipal Code of the City of Las Vegas, Nevada, 1983 Edition, in conflict herewith are hereby repealed.

PASSED, ADOPTED and APPROVED this ____ day of _____, 2007.

APPROVED:

By _____
OSCAR B. GOODMAN, Mayor

ATTEST:

BEVERLY BRIDGES, Acting City Clerk

APPROVED AS TO FORM:

Val Steed 4-4-07
Date

1 The above and foregoing ordinance was first proposed and read by title to the City Council on the
2 ____ day of _____, 2007, and referred to the following committee composed of
3 _____ and _____ for recommendation;
4 thereafter the said committee reported favorably on said ordinance on the ____ day of
5 _____, 2007, which was a _____ meeting of said Council; that at said
6 _____ meeting, the proposed ordinance was read by title to the City Council
7 as first introduced and adopted by the following vote:

8 VOTING "AYE": _____
9 VOTING "NAY": _____
10 ABSENT: _____

11
12 APPROVED:

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14 By _____
OSCAR B. GOODMAN, Mayor

15 ATTEST:
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17 BEVERLY BRIDGES, Acting City Clerk

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