

**Oregon Structural Specialty Code  
Special Amendment  
Section 908.7 Carbon Monoxide**

*Effective Date: April 1, 2011*

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New code section 908.7 has been adopted by the State of Oregon.

*With the passage of House Bill 3450, the Lofgren and Zander Memorial Act, carbon monoxide alarms will now be required in all newly constructed Group R occupancies as identified in Section 310 of the Oregon Structural Specialty Code (OSSC) which is based on the 2009 International Building Code (IBC). Examples of these uses may be characterized as; hotels, motels, apartments, dormitories, fraternities, sororities and residential care/assisted living facilities. In addition, SR-3 and SR-4 occupancies as defined in OSSC Appendix SR are included as they are principally built to “residential” standards. **Per the terms of the bill, these requirements are applicable to affected structures submitted for plan review as of April 1, 2011.***

This code has been prepared as an insert page for the 2010 OSSC. Pages are formatted so that when inserted, the amendments will face the page containing the existing code language.

## FIRE PROTECTION SYSTEMS

### Oregon Amendments ~ Effective April 1, 2011

**908.7 Carbon monoxide alarms.** For new construction, approved single station carbon monoxide alarms or a household carbon monoxide detection system shall be installed in each of the following occupancies:

1. Group R Occupancies identified in Section 310 of this code, and
2. Groups SR-3 and SR-4 Occupancies identified in Appendix SR of this code.

**908.7.1 Installation Location.** Carbon monoxide alarms shall be located in each bedroom or within 15 feet outside of each bedroom door. Bedrooms on separate floor levels in a structure consisting of two or more stories shall have separate carbon monoxide alarms serving each story.

**908.7.1.2 Three or More Dwelling Units.** In addition to the locations required by Section 908.7.1, a carbon monoxide alarm shall be installed in any enclosed common areas within buildings containing three or more dwelling units.

#### 908.7.2 Alarm requirements.

**908.7.2.1 Single station alarm requirements.** Single station carbon monoxide alarms shall be listed as complying with ANSI/UL 2034 and shall be installed in accordance with this code and the manufacturer's installation instructions.

**908.7.2.2 Household carbon monoxide detection systems.** Household carbon monoxide detection systems, that include carbon monoxide detectors and audible notification appliances, installed and maintained in accordance with this section for carbon monoxide alarms and NFPA 720 shall be permitted. The carbon monoxide detectors shall be listed as complying with ANSI/UL 2075.

**908.7.2.3 Combination smoke/carbon monoxide alarm/detector requirements.** Combination smoke/carbon monoxide alarms shall be listed as complying with ANSI/UL 2034 and ANSI/UL 217. Combination smoke/carbon monoxide detectors shall be listed as complying with ANSI/UL 2075 and ANSI/UL 268. See Section 907.2.11 of this code for additional requirements specific to the installation of smoke alarms.

#### 908.7.3 Power Source.

**908.7.3.1 Carbon Monoxide Alarms.** Single station carbon monoxide alarms shall be battery operated, or may receive their primary power from the building wiring system. Plug in devices securely fastened to the structure and installed in accordance with the manufacturer's installation instructions are deemed to satisfy this requirement. Hard wired and plug in carbon monoxide alarms shall be equipped with battery back up.

**908.7.3.2 Household carbon monoxide detection systems.** Required power supply sources for household carbon monoxide detection systems shall be in accordance with NFPA 720.

**908.7.3.3 Combination smoke/carbon monoxide alarms/detectors.** Combination smoke/carbon monoxide alarms/detectors shall receive their power source in accordance with Section 907.2.11.4 and NFPA 72. Smoke

alarm features of combination smoke/carbon monoxide alarms shall be interconnected.

**Exception:** Interconnection and hard-wiring of combination smoke/carbon monoxide alarms/detectors in existing areas shall not be required where the alterations or repairs do not result in the removal of interior wall or ceiling finishes exposing the structure.

**908.7.4 Where required in existing affected occupancies.** Where a new carbon monoxide source is introduced or work requiring a structural permit occurs in existing occupancies as identified in Section 908.1, carbon monoxide alarms shall be provided in accordance with Section 908.7 of this code.

**Exception:** Work involving the exterior surfaces of affected occupancies, such as the replacement of roofing or siding, or the *addition* or replacement of windows or doors, or the *addition* of a porch or deck, are exempt from the requirements of this section.

<sup>1</sup>Errata issued May 16, 2011

**REFERENCED STANDARDS**

*Oregon Amendments ~ Effective April 1, 2011*



American National Standards Institute  
25 West 43<sup>rd</sup> Street, Fourth Floor  
New York, NY 10036

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Standard reference number		Referenced in code section number
ANSI/UL 2034-08	Standard for single and Multiple Station Carbon Monoxide Alarms, with revisions through February 20, 2009 .....	908.7.2.3
ANSI/UL 2075-04	First Edition - Standard for Gas and Vapor Detectors and Sensors, with revisions through September 28, 2007 .....	908.7.2.3

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**REFERENCED STANDARDS**

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National Fire Protection Association  
1 Batterymarch Park  
Quincy, MA 02169-7471

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Standard reference number		Referenced in code section number
720-09	Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment .....	908.7.2.3

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