

RED Underlined = Existing Oregon Amendment brought forward from the 2007 OFC
BLUR or ~~BLUE Strikethrough~~ = Oregon Deletion or NOT ADOPTED
TEAL Underlined = New Oregon Amendment in the 2010 OFC
PLUM Underlined or ~~Strikethrough~~ = Oregon Mid Cycle Amendments

CHAPTER 5

FIRE SERVICE FEATURES

501.1 Scope. Fire service features for buildings, structures and premises shall comply with this chapter. See also ORS 92.044, 203, 221, 195.065, 368.039, 478.920 and OAR 918-480-0100.

ORS Chapters 92.044, 203, 221, 368.039, 195.065 and 478.920 and OAR Chapter 918 are not a part of this code but are reproduced or paraphrased here for the reader's convenience.

ORS 92.044 is the adoption of standards and procedures governing approval of plats and plans; delegation to planning commission; fees.

ORS 203 is the county bodies; county home rule.

ORS 221 is the organization and government of cities.

ORS 368.039 allows road standards adopted by local government to supersede standards in fire codes and requires consultation with local fire agency.

ORS 195.065 requires local governments and special districts that provide urban service to enter into urban service agreements. For the purpose of this statute, "urban service" means: sanitary sewers, water, fire protection, parks, open space, recreation and streets, roads and mass transit.

ORS 478.920 describes elements that may be included in the scope of a fire prevention code adopted by a rural fire protection district, including but not limited to: mobile fire apparatus means of approach to buildings and structures, and providing fire-fighting water supplies and fire detection and suppression apparatus adequate for the protection of buildings and structures.

OAR 918-480-0100 describes the procedure for approving the installation of automatic fire sprinklers where fire apparatus access or fire-fighting water supply do not meet local standards.

ORS 479.200 regulates water supply requirements for certain public buildings erected after July 1, 1967, as defined in ORS 479.010(1)(1).

502.1 Definitions.

FIRE APPARATUS ACCESS ROAD. A road that provides fire apparatus access from a fire station to a facility, building or portion thereof. This is a general term inclusive of all other terms such as fire lane, public street, private street, parking lot lane and access roadway.

NOTE: Specifications and standards for public streets are regulated by county or city governing bodies in accordance with ORS 368.039 wherein input from the fire service is required during planning for community development projects.

503.1 Where required. Fire apparatus access roads shall be provided and maintained in accordance with Sections 503.1.1 through 503.1.3. **See Appendix D.**

503.1.1 Buildings and facilities. Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road shall comply with the requirements of this section and shall extend to within 150 feet (45 720 mm) of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility.

Exception: The fire code official is authorized to ~~increase the dimension of 150 feet (45 720 mm)~~ **modify Sections 503.1 and 503.2** where **any of the following applies:**

1. The building is equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3.
2. Fire apparatus access roads cannot be installed because of location on property, topography, water ways, nonnegotiable grades or other similar conditions, and an approved alternate means of fire protection is approved.
3. There are not more than two Group R-3 or Group U occupancies.

503.2.2 Authority. The fire code official shall have the authority to ~~require an increase in the minimum access widths where they are inadequate for fire or rescue operations~~ **modify the dimension specified in Section 503.2.1.**

506.1 Where required. Where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life-saving or firefighting purposes, the fire code official is authorized to require a key box to be installed in an approved location. The key box shall be of an approved type and shall contain keys to gain necessary access as required by the fire code official.

Exception: Pharmacies in accordance with OAR 855-041-0035.

507.3 Fire flow. Fire flow requirements for buildings or portions of buildings and facilities shall be determined by an approved method. [See Appendix B.](#)

507.5 Fire hydrant systems. Fire hydrant systems shall comply with Section 507.5.1 through 507.5.6. [See Appendix C.](#)

507.5.5 Clear space around hydrants. A 3 foot (914 mm) clear space shall be maintained around the circumference of fire hydrants except as otherwise required or approved.

ORS 811.550(16) is not a part of this code but is reproduced or paraphrased here for the reader's convenience.

ORS 811.550(16) prohibits parking within 10 feet (3048 mm) of a fire hydrant.

OAR 860-024-0010 is not a part of this code but is reproduced or paraphrased here for the reader's convenience.

ORS 860-024-0010 is an Oregon Public Utility Commission rule that adopts the National Electrical Safety Code (NESC). The NESC contains rules that limit the placement of a fire hydrant a minimum of 4 feet (1219 mm) from any supporting structure for electrical equipment such, as transformers and poles.

510.1 Emergency responder radio coverage in buildings. All buildings, [as described in Section 510.1.1](#), shall have approved radio coverage for emergency responders within the buildings based upon the existing coverage levels of the public safety communications systems of the jurisdiction at the exterior of the building. [\(see Appendix J\)](#). This section shall not require improvements of the existing public safety communication system.

Exceptions:

1. Where approved by the building official and the fire code official. A wired communication system in accordance with Section 907.2.13.2 shall be permitted to be installed or maintained in lieu of an approved radio coverage system.
2. Where it is determined by the fire code official that the radio coverage system is not needed.

510.1.1 Scope. Emergency responder radio coverage must be provided in the following buildings and locations:

- 1. Any building with one or more basement or below-grade building levels.**
- 2. Any underground building.**
- 3. Any building more than five stories in height.**
- 4. Any building 50,000 square feet (4645 m²) in size or larger.**

5. Any building that, through performance testing, does not meet the requirements of Section 510.

510.2.2 Minimum signal strength out of the building. A minimum signal strength of -100 dBm **at the agency's antenna port** shall be received by the agency's radio system when transmitted from within the building.