

CHANGES TO OAR 837-040-0020 FOR MID-CYCLE AMENDMENTS TO THE 2010 OREGON FIRE CODE (OFC)

(4) Effective January 1, 2012 the 2010 Oregon Fire Code (OFC) is amended by the Office of State Fire Marshal as follows:

- (a) Amend Section 202, Definitions for Group R-3 Occupancy to correlate to the Oregon Structural Specialty Code, Section 310.**
- (b) Amend Section 510.2.2 by adding the words “at the agency’s antenna port” after -100 dBm and before shall be received..**
- (c) Amend Section 906.1 by using language from the 2012 International Fire Code.**
- (d) Amend Section 914.8.2 by adding a second exception to correlate to the Oregon Structural Specialty Codes, Section 412.4.5.**
- (e) Amend Section 4001.1, Exception 3 by adding “and SR” occupancies.**
- (f) Amend Section 4006.1 by adding “and SR” occupancies.**
- (g) Amend Section 4604.17 by updating with language from 2012 International Fire Code.**
- (h) Amend Chapter 47, National Fire Protection Association (NFPA) Standards, to current editions as follows:**

NFPA 10 to the 2010 edition.
NFPA 13, 13R and 13D to the 2010 edition.
NFPA 17 to the 2009 edition.
NFPA 17A to the 2009 edition.
NFPA 20 to the 2010 edition.
NFPA 58 to the 2011 edition.
NFPA 72 to the 2010 edition.
NFPA 96 to the 2011 edition.
NFPA 409 to the 2011 edition.

(a) 202 General definition.

R-3 Residential occupancies where the occupants are primarily permanent in nature and not classified as R-1, R-2, R-4 or I, including:

Buildings that do not contain more than two dwelling units.

Adult care facilities that provide accommodations for six or fewer persons of any age for less than 24 hours.

Child care facilities that provide accommodations for six or fewer persons of any age for less than 24 hours.

Congregate living facilities with 16 or fewer persons.

Adult foster homes as defined in ORS Chapter 443, or family child care homes (located in a private residence) as defined in Section 310.2 of the *Oregon Structural Specialty Code*.

Adult foster homes and family child care homes that are within a single-family dwelling are permitted to comply with the *Oregon Residential Specialty Code* in accordance with Section 101.2

~~A Group R-3 residential occupancy, subject to licensure by the state, where personal care is administered for five or fewer persons, whose occupants may require assisted self-preservation shall be classified as a Group SR-3 occupancy and shall comply with the provisions of Appendix SR.~~

Lodging houses as defined Chapter 2 are permitted to comply with the *International Residential Code* in accordance with Section 101.2.

(b) **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.

(c) **906.1 Where required.** Portable fire extinguishers shall be installed in the following locations.

1. In new and existing Group A, B, E, F, H, I, M, R-1, R-2, R-4 and S occupancies.

Exception: In Group R-2 occupancies, portable fire extinguishers shall be required only in locations specified in Items 2 through 6 where each *dwelling unit* is provided with a portable fire extinguisher having a minimum rating of 1-A:10-B:C.

2. Within 30 feet (9144 mm) of commercial cooking equipment.

3. In areas where flammable or *combustible liquids* are stored, used or dispensed.

4. On each floor of structures under construction, except Group R-3 occupancies, in accordance with Section 3315.1.

5. Where required by the sections indicated in Table 906.1.

6. Special-hazard areas, including but not limited to laboratories, computer rooms and generator rooms, where required by the *fire code official*.

(d) **914.8.2 Fire suppression.** Aircraft hangars shall be provided with a fire suppression system designed in accordance with NFPA409, based upon the classification for the hangar given in Table 914.8.2.

Exceptions:

1. When a fixed base operator has separate repair facilities on site, Group II hangars operated by a fixed base operator used for storage of transient aircraft only shall have a fire suppression system, but the system shall be exempt from foam requirements.

2. Aircraft hangars that have an aircraft access door height less than 28 feet (8534 mm), and do not have provisions for housing aircraft with a tail height over 28 feet (8534 mm), are exempt from foam requirements provided the building complies with all the following criteria;

2.1 The building is surrounded and adjoined by public ways or yards not less than 60 feet (18 288 mm) in width.

2.2 The building is provided with an automatic sprinkler system throughout with a design density of 0.25 gal/min. (0.016 L/s).

2.3 The total fuel capacity of all aircraft located within a single fire area does not exceed 5,000 gallons (18 927 L).

2.4 No single fire area exceeds 65,000 square feet (3716 m²).

2.5 The gross building area does not exceed 75, 000 square feet (4288 m²).

(e) **4001.1 Scope.** The storage and use of oxidizing materials shall be in accordance with this chapter and Chapter 27. Oxidizing gases shall also comply with Chapter 30. Oxidizing *cryogenic fluids* shall also comply with Chapter 32.

Exceptions:

1. Display and storage in Group M and storage in Group S occupancies complying with Section 2703.11.

2. Bulk oxygen systems at industrial and institutional consumer sites shall be in accordance with NFPA55.

3. Liquid oxygen stored or used in home health care in Group I-1, I-4, R and SR occupancies in accordance with Section 4006.

(f) **4006.1 General.** The storage and use of liquid oxygen (LOX) in home health care in Group I-1, I-4, R and SR occupancies shall comply with Sections 4006.2 through 4006.6, or shall be stored and used accordance with Chapter 27.

(g) **4604.17.2 Protection of openings.** Openings within 10 feet (3048 mm) of fire escape stairs shall be protected by ~~fire door assemblies~~ **opening protectives** having a minimum $\frac{3}{4}$ -hour *fire-resistance rating*.

Exception: In buildings equipped throughout with an *approved automatic sprinkler system*, opening protection is not required.

(h) 4604.17.5.1 Examination. Fire escape stairs, balconies, rails and ladders shall be examined for structural adequacy and safety in accordance with Section 4604.17.5 and the Oregon Structural Specialty Code by a *registered design professional* or others acceptable to the *fire code official* every five years, or as required by the *fire code official*. An inspection report shall be submitted to the *fire code official* after such examination.

Exception: The testing interval for fire escapes that have all connections replaced, re-enforced, and/or duplicated may be extended as specified by the design professional if approved by the *fire code official*.

4604.17.5.2 Unsafe/imminent hazard condition. When a fire escape component is determined to be in an unsafe/imminent hazard condition, the *fire code official* and *building official* shall be notified immediately. Where required, the building shall either be evacuated or an *approved fire watch* shall be provided until the fire escape has been repaired and approved for use by the building code official.

4604.17.5.3 Posting of fire escape conditions. Each fire escape shall have signage indicating current conditions posted at the lowest balcony or as directed by the *fire code official*. Signage shall be clearly visible. Legible, and weather resistant and indicate:

1. Condition of fire escape.
2. Date of posting
3. Site address.
4. Other as directed by the *fire code official*.

4604.17.5.3.1 Signage. Approved signage and/or other notice shall be provided for any fire escape taken out of service. Fire escape stairs and balconies shall have signage posted at each entry point to the fire escape. Fire escape ladders shall be posted with signage at the roof and at the lowest balcony or as directed by the *fire code official*.

4604.17.7 Maintenance. Fire escapes stairs, balconies, rails and ladders shall be kept clear, and unobstructed and in working order at all times. ~~And shall be maintained in good working order.~~ They shall be maintained free of corrosion.