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**OSSC mid-cycle code amendments**

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**Opportunity for public input:**

Those who would like to provide public testimony may attend a public hearing on September 16, 2008 at 10:30 a.m. The hearing will be located at the Building Codes Division, Conference Room A. Written comments may also be submitted to the contact below. The last day to submit written comments is 5:00 p.m. September 19, 2008.

**Purpose of the rule:**

This proposed rule adopts mid-cycle code amendments to the 2007 Oregon Structural Specialty Code. Many of the amendments are housekeeping in nature. Amendments adopting a revised base shear equation for buildings over 20 stories and requirements for installing fire sprinkler systems in buildings that have been substantially altered or damaged are more substantive changes.

For information on proposed amendments to the 2007 Oregon Structural Specialty Code [mid-cycle amendments](#).

This rule and the code amendments would become effective October 1, 2008.

**Citation:**

Amend: OAR 918-460-0015

**History:**

Beginning December 2007, the division and the Building Codes Structures Board made a request for any proposed mid-cycle code amendments related to fire and life safety, and any suggestions to improve unclear or conflicting code provisions.

The board, over a course of three board meetings in February, May and August of 2008, reviewed and approved these proposed mid-cycle code amendments.

**Contact:**

If you have questions or need further information, please contact Hearing Officer Richard Rogers at 503-378-4472, or [Richard.Rogers@state.or.us](mailto:Richard.Rogers@state.or.us) .



Secretary of State  
**NOTICE OF PROPOSED RULEMAKING HEARING\***

A Statement of Need and Fiscal Impact accompanies this form.

|   |                                     |
|---|-------------------------------------|
| Department of Consumer and Business Services, Building Codes Division | 918                                 |
| Agency and Division   | Administrative Rules Chapter Number |

|                   |                               |                |
|-------------------|-------------------------------|----------------|
| Shauna M. Parker  | PO Box 14470, Salem, OR 97309 | (503) 373-7438 |
| Rules Coordinator | Address                       | Telephone      |

**RULE CAPTION**

Adopts amendments to the 2007 Oregon Structural Specialty Code

**Not more than 15 words that reasonably identifies the subject matter of the agency's intended action.**

|                    |            |   |                  |
|--------------------|------------|---|------------------|
| September 16, 2008 | 10:30 a.m. | 1535 Edgewater Street NW, Salem, OR 97304 | Richard Rogers   |
| Hearing Date       | Time       | Location                                  | Hearings Officer |

*Auxiliary aids for persons with disabilities are available upon advance request.*

**RULEMAKING ACTION**

Secure approval of new rule numbers (Adopted or Renumbered rules) with the Administrative Rules Unit prior to filing.

**ADOPT:**

**AMEND:** OAR 918-460-0015

**REPEAL:**

**RENUMBER:**

**AMEND & RENUMBER:**

Stat. Auth.: ORS 447.231, 447.247, 455.030, 455.110, & 455.112

Other Auth.:

Stats. Implemented: ORS 447.247, 455.110, & 455.112

**RULE SUMMARY**

The proposed rule adopts amendments to the 2007 Oregon Structural Specialty Code (OSSC).

The agency requests public comment on whether other options should be considered for achieving the rule's substantive goals while reducing the negative economic impact of the rule on business.

Friday, September 19, 2008 at 5:00 p.m.

**Last Day for Public Comment** (Last day to submit written comments to the Rules Coordinator)

|           |              |      |
|-----------|--------------|------|
| Mark Long |              |      |
| Signature | Printed name | Date |

\*Hearing Notices published in the Oregon Bulletin must be submitted by 5:00 pm on the 15<sup>th</sup> day of the preceding month unless this deadline falls on a weekend or legal holiday, upon which the deadline is 5:00 pm the preceding workday. ARC 920-2005

**STATEMENT OF NEED AND FISCAL IMPACT**

A Notice of Proposed Rulemaking Hearing or a Notice of Proposed Rulemaking accompanies this form.

Department of Consumer and Business Services, Building Codes Division

918

Agency and Division

Administrative Rules Chapter Number

Adopts amendments to the 2007 Oregon Structural Specialty Code

Rule Caption (Not more than 15 words that reasonably identifies the subject matter of the agency's intended action.)

In the Matter of: Amending OAR 918-460-0015.

Statutory Authority: ORS 447.231, 447.247, 455.030, 455.110, & 455.112.

Other Authority:

Stats. Implemented: ORS 447.247, 455.110, & 455.112.

Need for the Rule(s): ORS 455.020 requires the department to adopt a state building code to govern the construction, reconstruction, alteration, and repair of buildings and other structures. The law further requires the building code to establish uniform performance standards providing reasonable safeguards for health, safety, welfare, comfort, and security of the residents of Oregon who are occupants and users of buildings, and to further provide for the use of modern methods, materials, and maximum energy conservation. The department, with the approval of the Building Codes Structures Board, may amend the code provided it conforms, insofar as it is practicable, to model building codes generally accepted and in use throughout the United States. The division adopts interim code amendments to align the code with changes which occur with the model codes at the national level as well as the actions of the legislature and other state agencies. Most of the code amendments contained within this rule are housekeeping provisions that eliminate unnecessary language and reflect changes in terminology adopted by other agencies.

Documents Relied Upon, and where they are available: 2007 Oregon Structural Specialty Code, minutes from the Building Codes Structures Board meetings of February 6, 2008, May 7, 2008, and August 6, 2008 and draft rules are available from the division's rules coordinator located at 1535 NW Edgewater Street, Salem, Oregon, 97304 and are posted on the division's website: [www.bcd.oregon.gov](http://www.bcd.oregon.gov).

Fiscal and Economic Impact: These changes will not have any economic impact on state agencies, units of local government, the public, or small businesses. Some of the amendments proposed by this rule are substantive, however, and may impact the cost of constructing commercial structures in some situations. Based on the information available at this time, the division has determined that members of the public who construct, remodel, alter, or repair buildings and other structures could realize some slight cost increases as a result of the proposed code changes. Cost increases are a result of revising the minimum base shear equation for buildings over 20 stories, and changing the requirements for installing fire sprinkler systems in buildings that have been substantially altered or damaged.

Statement of Cost of Compliance:

1. Impact on state agencies, units of local government and the public (ORS 183.335(2)(b)(E)):

Based on the information available to the division, the division has determined that these proposed rules will have no foreseeable significant fiscal impact on state agencies or units of local government. Members of the public who construct, remodel, alter, or repair buildings and other structures may incur slight cost increases associated with the substantive amendments to the code proposed by this rule. Based on available information, the division is unable to quantify any additional fiscal or economic impact on the public for changes in construction practices or use of new materials.

2. Cost of compliance effect on small business (ORS 183.336):

a. Estimate the number of small businesses and types of business and industries with small businesses subject to the rule:

Small businesses that are subject to these rules include commercial contractors, designers, engineers, architects, and others associated with the construction industry. Nonetheless, there is no way for the division to estimate how many of these businesses qualify as “small businesses” with 50 or fewer employees.

b. Projected reporting, record keeping and other administrative activities required for compliance, including costs of professional services:

This proposed rule imposes no new reporting, record keeping, professional services, or other administrative requirements on small businesses.

c. Equipment, supplies, labor and increased administration required for compliance:

No additional equipment, supplies, labor, or increased administration will be required for compliance with this proposed rule.

How were small businesses involved in the development of this rule?

Small businesses are represented on the Building Codes Structures Board which discussed these amendments at its February 6, 2008, May 7, 2008, and August 6, 2008 meetings.

Administrative Rule Advisory Committee consulted?: No.

If not, why?: The Building Codes Structures Board provided input on the amendments. The board represents a wide segment of the construction industry.

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|           |              |      |
|-----------|--------------|------|
|           | Mark Long    |      |
| Signature | Printed name | Date |

Administrative Rules Unit, Archives Division, Secretary of State, 800 Summer Street NE, Salem, Oregon 97310. ARC 925-2007

OSSC Mid-Cycle Code Amendments  
Draft Rule: 8/13/08

918-460-0015

Amendments to the Oregon Structural Specialty Code

(1) The **Oregon Structural Specialty Code** is adopted and amended pursuant to chapter 918, division 8. Amendments adopted for inclusion into the **Oregon Structural Specialty Code** are placed in this rule, showing the section reference, a descriptive caption, and a short description of the amendment.

**(2) Effective October 1, 2008, the 2007 Oregon Structural Specialty Code is amended as follows:**

**(a) Minimum base shear equation. The base shear equation 12.8-5 of ASCE 7-05 is deleted and replaced with the following base shear equation per ASCE 7-05, Supplement No. 2:  $C_s = 0.044S_{Ds}I \geq 0.01$ .**

**(b)(A) Group child care home definition. The definition of group child care home is deleted from Section 202.**

**(B) The definition of group child care home in Section 310.2 is deleted and replaced with: Family child care home (Licensed by Oregon Child Care Division under ORS 657A); Includes certified family child care homes (located in homes licensed for 16 or fewer children) and registered family child care homes (located in homes licensed for 10 or fewer children).**

**(c) Group day care facilities. Section 308.5 is amended to read: Group I-4, day care facilities. This group shall include buildings and structures occupied by persons of any age who receive custodial care for less than 24 hours by individuals other than parents or guardians, relatives by blood, marriage, or adoption and in a place other than the home of the person cared for. A facility such as the above with six or fewer persons or family child care homes (located in a private residence) as defined in Section 310.2, shall be classified as a Group R-3 or shall comply with the *Residential Code* in accordance with Section 101.2. Places of worship during religious functions are not included.**

**(d) Adult foster homes. Section 310.1 is amended to read:**

**(A) 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.**

**(B) 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.**

**(e) Aircraft hangars. Section 412.2.3 relating to floor surface of aircraft hangars is deleted.**

**(f)(A) Fire sprinklers. Section 903.2.7.1 is deleted.**

**(B) Section 903.2.7.2 is renumbered to 903.2.7.1 and amended as follows:**

**(i) The first paragraph is amended to read: Requirements. Where substantial alterations are made or substantial damage occurs to an existing non-sprinkled Group R2 apartment house, designed and constructed under the provisions of this code, an approved automatic sprinkler system complying with NFPA 13R shall be installed only in the substantially altered or damages dwelling units. When more than 50 percent of the dwelling units within a building are substantially altered or damaged, the entire apartment house occupancy shall be provided with an NFPA 13R sprinkler system or equivalent.**

**(ii) The following language is inserted after the first paragraph: For the purpose of this section, when an NFPA 13R sprinkler system is installed, a fire department connection shall not be required.**

**(iii) The definition of substantial alteration is changed from 40 percent to 25 percent of the assessed value of the structure before the alteration occurred.**

**(iv) The definition of substantial damage is changed from 40 percent to 25 percent of the assessed value of the structure before the damage occurred.**

**(g) Means of egress. Section 1019.2 is amended as follows:**

**(A) The title is amended to read: Stories with one exit.**

**(B) Subsection 1 is deleted and replaced with the following: Stories meeting the limitations of Table 1019.2.**

**(C) Subsection 3 is deleted.**

**(D) Table 1019.2 and its footnotes are replaced with a new table and footnotes.**

**(h) Accessible sliding doors. The following sentence is added to the end of Section 1109.9.8: When sliding doors are fully open, operating hardware shall be exposed and usable from both sides.**

**(i) Overflow drains and scuppers. The text of section 1504.3 relating to overflow drains and scuppers is deleted and replaced with the following: Where roof drains are required, overflow drains shall be installed per section 1101.11 of the Oregon Plumbing Specialty Code.**

**(j) NFPA 13-2007 Seismic provisions. Section 1613.6.3 is added and reads: Automatic fire sprinkler systems. Automatic fire sprinkler systems designed and installed in accordance with NFPA 13 shall be deemed to meet the requirements of Section 13.6.8 of ASCE 7.**

**(k) Earthquake recording instrumentation. Section 1613.8 is amended to require earthquake recording instrumentation in new buildings over six stories above grade in height.**

**(L) Referenced standards. The referenced standards have been updated to read as follows:**

**(A) NFPA 11, 2005;**

**(B) NFPA 13, 2007;**

**(C) NFPA 13R, 2007;**

**(D) NFPA 13D, 2007;**

**(E) NFPA 14, 2007;**

**(F) NFPA 40, 2007;**

**(G) NFPA 72, 2007;**

**(H) NFPA 101, 2006;**

**(I) NFPA 409, 2004.**

**(m) Special Residence (SR) occupancy fire alarm systems. The SR Appendix is amended as follows:**

**(A) Section SR107.3 is amended to read: Fire alarm systems. An approved manual and automatic supervised fire alarm system shall be installed in all Group SR occupancies. Detection shall be required only in the areas specified in section SR107.3.1 when an automatic sprinkler system is installed throughout the building, in accordance with 903.3.1 and connected to the building fire alarm system.**

**(B) Section SR108.3.2 is amended to read: Controlled egress fire alarm requirements.**

**An approved automatic fire alarm system shall be provided for partial coverage in accordance with NFPA 72 and this appendix.**

**(C) The third exception listed under section SR108.3.2 is amended to read: The registers of a forced air HVAC system.**

[Publications: Publications referenced are available for review at the division. See division web site for information on where to purchase publications **from the agency.**]

Stat. Auth.: ORS 447.231, 447.247, 455.030, 455.110 & 455.112

Stats. Implemented: ORS 447.247, 455.110 & 455.112

Hist.: BCA 18-1993, f. 8-24-93, cert. ef. 8-29-93; BCA 28-1993, f. 10-22-93, cert. ef. 1-1-94; BCD 6-1994, f. 2-25-94, cert. ef. 5-1-94; BCD 22-1994, f. 9-28-94, cert. ef. 1-1-95; BCD 31-1994(Temp), f. & cert. ef. 12-23-94; BCD 32-1994, f. & cert. ef. 12-30-94; BCD 2-1995, f. & cert. ef. 2-9-95; BCD 5-1995, f. & cert. ef. 3-15-95; BCD 2-1996, f. 2-2-96, cert. ef. 4-1-96; BCD 6-1996, f. 3-29-96, cert. ef. 4-1-96; BCD 12-1997, f. 9-10-97, cert. ef. 10-1-97; BCD 19-1998, f. 9-30-98, cert. ef. 10-1-98; BCD 24-1998(Temp), f. & cert. ef. 12-1-98 thru 5-29-99; Temporary Rule repealed by BCD 3-1999, f. 3-12-99, cert. ef. 4-1-99; BCD 5-1999, f. 6-17-99, cert. ef. 10-1-99; BCD 12-1999(Temp), f. 9-23-99, cert. ef. 11-1-99 thru 4-28-00; BCD 2-2000 f. 1-14-00, cert. ef. 4-1-00; BCD 20-2000, f. 9-15-00, cert. ef. 10-1-00; BCD 8-2001, f. 7-17-01, cert. ef. 10-1-01; BCD 18-2001, f. 12-21-01, cert. ef. 1-1-02; BCD 14-2003, f. 8-13-03, cert. ef. 10-1-03; BCD 18-2003(Temp) f. & cert. ef. 11-14-03 thru 5-11-04; BCD 5-2004, f. & cert. ef. 4-1-04; BCD 16-2004, f. 9-24-04, cert. ef. 10-1-04; BCD 21-2004, f. & cert. ef. 10-1-04; BCD 9-2005(Temp), f. & cert. ef. 4-7-05 thru 9-30-05; BCD 14-2005, f. & cert. ef. 7-5-05; BCD 18-2005(Temp), f. & cert. ef. 7-12-05 thru 9-30-05; BCD 22-2005, f. 9-29-05, cert. ef. 10-1-05; BCD 23-2005, f. 9-29-05, cert. ef. 10-1-05; BCD 1-2006, f. & cert. ef. 2-1-06; BCD 9-2006, f. 6-30-2006, cert. ef. 7-1-06; BCD 1-2007, f. 2-15-07, cert. ef. 4-1-07; BCD 9-2008 (Temp), f. & cert. ef. 6-25-08 thru 12-22-08