

OREGON MECHANICAL SPECIALTY CODE AMENDMENTS

**Draft
(As of 06/27/06)**

Existing 2004 OMSC	New Proposals	2006 IMC Model Code Change	Committee Recommendation	Board Recommendation	Comments
CHAPTER 1 ADMINISTRATION					
101.1			Approve		Title change only.
101.2			Approve		"Maintenance" has been deleted, reference to Appendix C added and modification of Exception #1 to address ORSC scoping change.
	101.2		Approve		Adds language to authorize mechanical equipment or systems not covered by the code.
		101.2	Approve		Exception #2 was deleted.
101.2.1			Approve as Modified		Appendices modified to reflect changes adopted in Oregon.
101.3			Approve as Modified		"quality of materials" and "operation and maintenance or use" were deleted.
101.4			Approve		"unconstitutional" was changed to "invalid."
102.1			Approve		Reference to residential code was added.
102.2			Approve		"existing" was added.
102.3			Approve		The "NOTE" was added.
102.5			Approve		Wordsmithing and reference to OSSC added.
102.7			Approve		Reference to ORS added.
102.8			Approve as Modified		"codes and" was deleted 2 times, add statutory reference.
102.9			Approve		The "NOTE" was added.
103			Approve as Modified		"Liability" box was added. Remainder of section deleted.

	104		Approve		New "NOTE" was added.
104.1			Approve		" maintenance or operation " and " or as provided for in Section 104.2 through 104.8. " were deleted.
104.2			Approve		The "NOTE" was added (not adopted.)
104.4			Approve		Delete "or shall accept reports of inspection."
	104.7		Approve		"Department records" has been modified.
105			Approve		Add "NOTE."
106			Approve		Add "NOTE."
106.3			Approve		Add "NOTE" and exception.
106.3.1			Approve		Delete " and the materials and methods for maintaining required structural safety, fire resistance rating and fire blocking. " in last sentence.
		106.3.1	Disapprove		Model code added to address special conditions and requirements for registered design professional.
	106.3.2		Approve		New section on " <u>Time limitation of application,</u> " to be consistent with OSSC.
106.4			Approve		Add "NOTE."
106.4.1			Approve		Add "NOTE."
	106.4.6		Approve		Modify section to reflect OAR's.
106.5			Approve		Add "NOTE."
Table 1-A			Approve		Add "NOTE" and Oregon fee tables.
106.5.3			Approve		The "NOTE" was added (not adopted.)
106.5.4			Approve		Add section on plan review fees.
107.1.1			Approve		The "NOTE" was added (not adopted.)
107.1.2			Approve		The "NOTE" was added (not adopted.)
	107.2		Approve		Staff proposed - Deletion of Oregon amendment, which would reinstate model code language.
107.3			Approve		Add section on contractors responsibilities.
108			Approve as Modified		Delete "NOTE" and new ORS box was added.

109			Approve as Modified		Delete "NOTE" and modify remaining sections.
CHAPTER 2 DEFINITIONS					
201.4			Approve		Deletes first sentence and inserts references to " <i>Webster's Third New International Dictionary of the English Language, Unabridged, copyright 1986.</i> "
202			Approve		*Added definitions for "BUILDING CODE," "BUILDING OFFICIAL." *Modified definition of "CODE OFFICIAL;" "ELECTRICAL CODE;" "FIRE CODE;" "PLUMBING CODE;" "UNUSUALLY TIGHT CONSTRUCTION" and "WATER HEATER."
	202		Approve		Adds new definition for "VESTIBULE."
		202	Approve		New definition "ENVIRONMENTAL AIR."
		202	Approve		Model Code modification of "EXTRA-HEAVY DUTY COOKING APPLIANCE."
		202	Approve		New definition "SLEEPING UNIT."
CHAPTER 3 GENERAL REGULATIONS					
(Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to " International " codes or changing outside to <u>outdoor</u> . These minor editorial only modifications are not individually in this matrix.)					
301.1			Approve as Amended		Oregon modifies the "Scope" and changes it to "Code Compliance," modified per staff proposal below.
	301.1		Approve		Staff proposed modification to Section 301.1.
301.2			Approve as Amended		Oregon amendment deletes "Energy Utilization" and reinstates model code language per staff proposal below.
	301.2		Approve		Staff proposed modification to reinstate model code language with minor reference change.
		301.4	Approve		Editorial clarifying change.
301.13			Approve		Modify "Flood Hazard."

		302.3.4	Approve		Editorial clarification to section on "Engineered wood products."
	303.3		Approve		Staff proposed - Delete reference to "air leakage requirements found in the building code."
		304.3.1	Approve		Model code added new section "Parking garages."
304.3			Approve		Oregon modification to "Elevation of ignition source."
		304.4, 304.4.1 and 304.4.1.1	Approve		Model code change to clarify requirements for natural ventilation of hydrogen generating and refueling operations.
304.5, 304.6			Approve		Added reference to Figure 304.1.
Figure 304.1			Approve		Figure shows barrier protection examples.
		304.4.2	Approve		Model code change to clarify requirements for addressing location of ignition source.
		304.10	Disapprove		Model code added "roof hatch opening" in two places.
304.10			Approve as Modified		Exception for existing conditions, modified per staff proposal below.
	304.10		Approve		Staff proposed deleting last sentence in exception. Language is redundant and ambiguous.
		306.3	Approve		New model code providing additional passageway alternative.
		306.4	Approve		New model code providing additional passageway alternative.
306.5			Approve As Modified		Exception for existing conditions, modified per staff proposal below.
	306.5		Approve		Staff proposed deletion of last sentence in exception. Language is redundant and ambiguous.
		306.6	Approve		New model code language inserted, copied from Section 304.10.
306.6			Approve As Modified		Exception for existing conditions, modified per staff proposal below.
	306.6		Approve		Staff proposed deleting last sentence in exception. Language is redundant and ambiguous.

307.2.1			Approve		Oregon added 3 specific requirements for units according to their size.
		307.2.3	Approve		Model code added "or fuel-fired appliances that produces condensate." And adds another method to detect water levels.
		307.2.3.1	Approve		New model code section on "Water-level monitoring devices."
308.2			Approve		Oregon added an exception covering "unlisted appliances."
[309, 310, 311 and 312]			Approve		Oregon amendment deletes these sections.
Table 308.6			Approve		Oregon added last line of protection.
CHAPTER 4 VENTILATION (Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to " International " codes or changing outside to <u>outdoor</u> . These and other minor editorial only modifications are not individually identified in this matrix.)					
401.1			Approve		Oregon amendment adds the following: "The principles specified in ASHRAE Standard 62-2001 may be used as an alternate to this chapter to demonstrate compliance with required ventilation air for occupants."
		401.1	Approve		Model code added clarifying language, and added new paragraph dealing with residential exhaust.
		[401.4]	Approve		Model code deleted "Exits" and moved to Ch. 6.
		401.4	Approve		Re-numbered and added new exception.
	401.4.1		Approve		New proposal adds "gas meters" to list of hazardous or noxious contaminates.
[402]			Approve		Deleted to reflect requirements in the building code.
		403.2	Approve		Mode code added exception dealing with an engineered system.
		403.2.1	Approve		Model code modified item #1 and added #4.
403.2.2			Approve		Oregon deletes first part of sentence and adds 3 exceptions.

		Table 403.3	Approve		Model code modified footnote "d" and added footnotes "h" and "i" and then added these to different places in the table.
403.3			Approve		Oregon adds clarifying language.
		404.1	Approve		Model code modified enclosed parking garages.
404.1.1			Approve		Oregon added "Enclosed parking garage ventilation controls."
CHAPTER 5 EXHAUST SYSTEMS (Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to " International " codes or changing outside to <u>outdoor</u> . These and other minor editorial only modifications are not individually identified in this matrix.)					
		501.2	Approve		Model code added clarifying language.
		501.2.1	Approve		Model code added clarifying language.
		501.3	Approve		Model code added clarifying language.
		501.4	Approve		Model code added clarifying language.
		502.4.1	Approve		Model code added clarifying language.
		502.5	Approve		Model code added clarifying language.
502.6			Approve		Oregon deletes the parts of this section, which are outside the scoping provisions of the Oregon code.
[502.7.1]			Approve		Oregon deletes this section, which is outside the scoping provisions of the Oregon code.
		502.7.3.1	Approve		Model code added clarifying language.
		502.7.3.2	Approve		Model code added clarifying language.
		[502.7.3.6]	Approve		Model code deleted this section. Moved to general provisions in Section 501.2.1.
[502.7.7]			Approve		Oregon deletes this section, which is outside the scoping provisions of the Oregon code.
		502.8.1.1	Approve		Model code added clarifying language.
		502.16.1	Approve		Model code added clarifying language.
		502.19	Approve as Amended		Model code adds new section for "Indoor firing ranges."

	502.19		Approve		Staff proposed deletion of last sentence because these are OSHA regulations and are not part of the scope of this code.
504.6			Approve		Delete " and shall be listed and labeled for the application. "
		505.1	Approve		Model code added clarifying language.
		506.3.2	Approve		Model code added clarifying language.
		506.3.3.1	Disapprove		New model code section dealing with grease duct testing.
		506.3.4	Approve		Model code.
506.3.7.1			Approve		Oregon adds requirements for grease diverters.
		506.3.10	Approve		Model code added a second exception dealing with firestop systems.
		506.3.12.3	Approve		Model code added clarifying language.
		507.1	Approve		Model code added a clarifying statement.
		507.2.1.1	Disapprove		Model code added new section on "Operations."
		507.2.2	Approve		Model code added two new exceptions dealing with small appliances.
		[507.2.4]	Approve		Model code deletes " Solid fuel " and add "Extra-heavy-duty," same general requirements.
507.9			Approve		Oregon amendment to reduce clearances and delete exceptions.
		507.12	Approve		Model code added clarifying language.
		507.13	Approve		Model code added clarifying language.
		507.13.5	Approve		Model code adds new section on "Dishwashing appliances."
		507.16.1	Approve		Model code added clarifying language.
509.2, 509.3, 509.4 and 509.5			Approve		Oregon adds these sections for automatic fire suppression system. They're consistent with the Fire Code.
		510.1	Approve		New second paragraph defining laboratory.
		510.2	Approve		Model code adds 7 new exceptions concerning laboratory exhaust.
		510.6.1	Approve		New section on "Fire dampers" in hazardous exhaust ducts.
		510.7	Approve		New exception dealing with laboratories.

		511.1.1	Approve		Model code added clarifying language.
		511.1.3	Approve		New language for collector and separator exhaust.
		[511.2]	Approve		Model code deleted this section and moved to general information in Section 501.2.1.
		513.4.6	Approve		Model code added additional perimeters for activation.
		513.8	Approve		Model code added reference to NFPA 92B.
		513.8.1	Approve		Model code changed 10 feet to <u>6</u> feet and deleted most of section.
		[513.8.2, 513.8.3, 513.8.4 and 513.8.5]	Approve		Deleted by model code.
		513.9	Approve		Model code added clarifying language.
		513.9.2	Approve		Model code added new section "Design fire fuel."
		[513.9.2]	Approve		Model code deleted this section. Moved to general provisions in Section 501.2.1.
		[513.20, 513.20.1, 513.20.2 and 513.20.3]	Approve		Model code deleted these sections.

**CHAPTER 6
DUCT SYSTEMS**

(Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to "~~International~~" codes ~~or~~ changing ~~outside~~ to outdoor. These and other minor editorial only modifications are not individually identified in this matrix.)

		601.3	Approve		New section "Exists" (moved from Ch. 4.)
		602.2.1	Approve		Model code added clarifying language.
		602.2.1.6	Approve		Mode code added new section "Semiconductor fabrication area."
		603.9	Disapproved		Model code added language to the duct sealing section.

603.9			Approve As Modified		Current Oregon amendment dealing with duct sealing (Modified per new proposal below.)
	603.9.1, 603.9.1.2 and 603.9.2		Approve		Adds "flanged" connections to the duct sealant requirements. Deletes the reference to cloth backed tape. Adds a standard reference for mechanical fasteners used with non-metallic air ducts.
		603.17	Approve		Model code added clarifying language.
		603.17.2	Approve		Model code added new section "Prohibited locations."
[604.11]			Approve		Oregon deleted section on "Vapor retarders."
		606.4	Approve		Model code added clarifying language.
		607.1	Approve		Model code added clarifying language.
		607.1.1	Approve		Model code added clarifying language.
		607.4	Approve		Model code added clarifying language.
		607.5.2	Approve		Model code added clarifying language.
		607.5.3	Approve		Model code added clarifying language.
		607.5.5	Approve as Modified		Model code deleted unnecessary language and added clarifying language to exceptions. Oregon amendment would delete in Exception #2 the reference to Section 909.11.
		607.6, 607.6.1, 607.6.2 and 607.6.3	Approve		Model code added clarifying language.
CHAPTER 7 COMBUSTION AIR (Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to " International " codes or changing outside to <u>outdoor</u> . These and other minor editorial only modifications are not individually identified in this matrix.)					
701.3			Approve		Oregon adds an exception and new Subsection 701.3.1.

**CHAPTER 8
CHIMNEYS and VENTS**

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804.3.2			Disapprove		Oregon added an exception to Section 804.3.2 about interlocking of cooking appliances.
	804.3.2		Approve As Modified		Staff proposes to move this Oregon amendment to Appendix C503.3.4.
		805.2	Approve		New clarifying model code language concerning "High temperature chimneys."

**CHAPTER 9
SPECIFIC APPLIANCES, FIREPLACES and SOLID FUEL-BURNING EQUIPMENT**

(Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to "~~International~~" codes or changing ~~outside~~ to outdoor. These and other minor editorial only modifications are not individually identified in this matrix.)

	901.1		Approve		Staff proposes to remove the word " maintenance " in two places.
[908.7]			Approve		Oregon deleted Section 908.7 entirely.
917.4			Approve		Oregon added section concerning microwave ovens.
918.6			Approve		Oregon added an amendment to exempt appliances with built-in systems.
923			Approve		Oregon added a section on kilns.
		926	Approve		Model Code added new section on "Gaseous Hydrogen Systems."
927			Approve		Oregon added section on woodstoves.

CHAPTER 10

BOILERS, WATER HEATERS and PRESSURE VESSELS

(Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to "~~International~~" codes ~~or~~ changing ~~outside~~ to outdoor. These and other minor editorial only modifications are not individually identified in this matrix.)

1001.1			Approve		Oregon deletes model code and inserts different scoping provisions.
1002.1			Approve		Oregon deletes last 3 sentences.
	1002.1		Approve		Staff proposes to add the words "where applicable" in the first sentence.
		1002.2.2	Approve		Model code added clarifying language.
1003.1			Approve		Oregon modifies the "Scope."
1003.2			Approve		Oregon deletes " Piping " and inserts " <u>Workmanship</u> ."
[1003.3]			Approve		Deleted in Oregon.
1004.1			Approve		Oregon deletes " Standards " and replaces with " <u>Definitions</u> ."
[1004.2 - 1004.7]			Approve		Oregon deletes these sections.
1005			Approve		Oregon deletes model code language and replaces these sections with "Permit Required."
1006			Approve		Oregon deletes model code language and replaces these sections with "Detailed requirements."
1007			Approve		Oregon deletes model code language and replaces these sections with "Expansion Tanks."
1008 - 1011			Approve		Deletes model code and replaces with Oregon amendments.
1012 - 1017			Approve		Oregon amendments.

**CHAPTER 11
REFRIGERATION**

(Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to "~~International~~" codes **or** changing ~~outside~~ to outdoor. These and other minor editorial only modifications are not individually identified in this matrix.)

[1101.7 - 1101.9]			Approve		Oregon has deleted these sections.
1105			Approve		"NOTE" was added.
1105.1 - 1105.4			Approve		Oregon deletes model code and replaces with amendments.
		1105.7	Approve		Model code added clarifying language.
		1105.11	Approve		Model code adds new section on "Emergency pressure control system."
1106.3 - 1106.7			Approve		Oregon amendments were added, remainder of Section 1106 was re-numbered.
		1106.8	Approve		Model code added clarifying language.
		1108.10.1	Approve		Model code has added a new exception.
[1109]			Approve		Oregon deleted this section. This is a maintenance issue.

**CHAPTER 12
HYDRONIC PIPING**

(Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to "~~International~~" codes **or** changing ~~outside~~ to outdoor. These and other minor editorial only modifications are not individually identified in this matrix.)

		1203.3.7	Approve		Model code added clarifying language.
		1204.1	Approve		Model code change clarifying language.
	1209 - 1209.3.5		Approve		New proposal adds language to recognize PEX, PEX/AL/PEX to be used as embedded piping. Deletes the term "other approved plastic piping" from the section.
	1208.1		Approve		Staff proposal to modify testing requirements for PEX piping systems.

CHAPTER 13

FUEL OIL PIPING and STORAGE

(Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to "~~International~~" codes **or** changing ~~outside~~ to outdoor. These and other minor editorial only modifications are not individually identified in this matrix.)

1301.1			Approve		Oregon deleted second sentence.
1301.2			Approve		Oregon added "...and the Oregon Department of Environments Quality."
		1301.5	Approve		Model code has added new section, "Tanks abandoned or removed."

CHAPTER 14

SOLAR SYSTEMS

(Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to "~~International~~" codes **or** changing ~~outside~~ to outdoor. These and other minor editorial only modifications are not individually identified in this matrix.)

1401.1			Approve		Oregon added " <u>nonpotable</u> space heating,..." and deleted "... domestic hot water heating ..."

CHAPTER 15

REFERENCED STANDARDS

No changes noted

			Approve		Carry current Oregon amendments forward.
			Approve model code changes		Model code updated referenced standards.

APPENDIX A and APPENDIX B

Not adopted in Oregon

**APPENDIX C
CHAPTER 1 (C-1)**

(Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to "~~International~~" codes **or** changing ~~outside~~ to outdoor. These and other minor editorial only modifications are not individually identified in this matrix.)

[101.1]			Approve		Oregon deleted "Title" section.
		C101.2	Approve		Model code added "gaseous hydrogen systems" to the list of things covered in this section.
C101.2.2			Approve		Oregon deleted " operation and maintenance. "
C101.2.4			Approve		Oregon deleted model code Exemptions #2 and #10.
C101.2			Approve		Oregon code change to modify Items #1 and #11.
[101.2.5]			Approve		Oregon deleted mode code section " Other fuels. "
[101.3]			Approve		Oregon deleted model code section " Appendices. "
C101.3			Approve		Oregon deleted " ...operation and maintenance or use... "
	C102.2 (re-numbered from model code Section 107.2)		Approve		Staff proposes to reinstate model code language with a couple of minor editorial changes to section numbering.
[102, 103, 104, 105 and 106]			Approve		Oregon deleted these sections.
[107.1 - 107.1.2.3]			Approve		Oregon deleted these sections.
[108 and 109]			Approve		Oregon deleted these two sections.

**APPENDIX C
CHAPTER 2 (C-2)**

(Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to "~~International~~" codes **or** changing ~~outside~~ to outdoor. These and other minor editorial only modifications are not individually identified in this matrix.)

C201.4			Approve		Oregon modified this section on where to find words not defined.
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		[202]	Approve		Model code deleted the definition of : "MECHANICAL EXHAUST SYSTEM."
		C202	Approve as modified. ("Point of Delivery", keep original definition.)		Model code added or modified definition of: CONNECTOR; APPLIANCE; DWELLING UNIT; POINT OF DELIVERY; REGULATOR; MEDIUM-PRESSURE; SLEEPING UNIT; VENT PIPING.
	C202		Approve		Staff proposes to delete definitions of "DWELLING UNIT" and "SLEEPING UNIT" - These definitions can be found in Ch. 2 and are not specific to gas installations.
	C202		Approve		New proposal to add a definition of "VESTIBULE."
APPENDIX C CHAPTER 3 (C-3) (Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to " International " codes or changing outside to <u>outdoor</u> . These and other minor editorial only modifications are not individually identified in this matrix.)					
C301.1			Approve As Modified		Oregon deleted "Scope" and added a section on "Code Compliance," modified per staff proposal below.
	C301.1		Approve		Staff proposes to reinstate model code language and delete part of the Oregon amendment.
C301.1.1			Approve As Modified		Oregon modified this section and deleted the second sentence, modified per staff proposal below.
	C301.1.1		Approve		Staff proposes to reinstate model code language and modify Oregon amendment.
		C301.2	Approve		Model code added clarifying language.
[301.2]			Approve		Oregon deleted this section.
C301.2			Approve As Modified		Oregon deleted second sentence, modified per staff proposal below.
	C301.2		Approve		Staff proposes to reinstate model code language and modify Oregon amendment.
		C301.3 and C301.3.1	Approve		Model code added clarifying language.

[301.4 - 301.6]			Approve		Oregon deleted these sections.
[301.8- 301.15]			Approve		Oregon deleted these sections.
		C303.3	Approve		Model code added clarifying language.
C303.4			Approve		Oregon adds reference to Figure C304.1.
		C303.4	Approve		Model code added clarifying language.
Figure C304.1			Approve		Oregon adds Figure C304.1 for barrier protection.
C303.6			Approve		Oregon deleted last half of sentence, requires outdoor equipment to be listed for outdoor use.
C304.4.1			Approve		Oregon added section "Special Conditions."
		C305.3.1	Approve		Model code new section "Parking Garages."
C305.3			Approve		Oregon deletes model code language and inserts Oregon amendment.
C305.4			Approve		Oregon deletes reference to building code and reference to NFPA 88B.
C305.5			Approve		Oregon adds reference to Figure C304.1.
C306.5			Approve As Modified		Oregon adds exception for existing buildings, modified per staff proposal below.
	C306.5		Approved		Staff proposes deleting last sentence in exception. Language is redundant and ambiguous.
C306.5.1			Approve As Modified		Oregon adds exception for existing buildings, modified per staff proposal below.
	C306.5.1		Approved		Staff proposes deleting last sentence in exception. Language is redundant and ambiguous.
		C306.5.1	Approve		Model code adds requirements for guards (same as in Section C306.6.)
C306.6			Approve As Modified		Oregon adds exception for existing buildings, modified per staff proposal below.
	C306.6		Approved		Staff proposes deleting last sentence in exception. Language is redundant and ambiguous.

C307			Approve		Oregon added a "NOTE."
		C307.1	Approve		Model code new section "Evaporators and cooling coils."
	C307.1 and C307.5		Approve		Staff proposes editorial changes to section references.
		C307.5	Approve		Model code new section "Auxiliary drain pan."
		Table C308.2	Approve		Model code made minor change to footnote K.

**APPENDIX C
CHAPTER 4 (C-4)**

(Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to "~~International~~" codes ~~or~~ changing ~~outside~~ to outdoor. These and other minor editorial only modifications are not individually identified in this matrix.)

C401.2.1			Approve		Oregon added this section to reference the Fire Marshal regulations concerning LP tanks.
C402.3			Approve		Oregon deleted "...or other approved engineered methods."
C402.6.2			Approve		Oregon added this section to reference the Fire Marshal regulations concerning LP licensing.
[403.3]			Approve		Oregon deletes this section.
		C404.1	Approve		Model code adds language about extending piping through townhouses.
		C404.6	Approve		Model code adds language about extending vent piping for gas pipe sleeve.
C404.8			Approve		Oregon deletes and replaces model code language concerning the protection of underground gas piping.
C404.10.1			Approve		Oregon added a section on underground pipe separation.
	C404.14.1		Approve		Allows for plastic pipe to be installed under outdoor patio, walkway or driveway.
		[405.4]	Approve		Model code deleted section on mitered bends.
C406.1.1.1 and C406.1.1.2			Approve		Oregon adds two subsections indicating when inspections shall be made.

C406.4.1			Approve		Oregon deletes model code Sections 406.4.1 thru 406.7 and replaces with simplified testing requirements.
		C409.1.1	Approve		Model code added clarifying language.
		C410.1	Approve		Model code added clarifying language.
		C410.3.1	Approve As Modified		Adopt first sentence, delete last sentence.
		C411.1	Approve		Model code added clarifying language.
		C411.1.1	Approve		Model code new section "Commercial cooking appliances."
		C411.1.3	Approve		Model code new section "Connector installation."
		C411.1.3.1 - C411.1.4	Approve		Model code renumbered and reorganized these sections.
		C411.2	Disapprove		Model code new section "Manufactured Home."
	[411.2]		Approve		Staff proposes to delete this section due to conflicts with Oregon Manufactured Dwelling and Park Specialty Code.
C412			Approve		Oregon deletes model code language and references regulation by the fire code.
C413			Approve		Oregon deletes model code language and references regulation by the fire code.
C414.1			Approve as Modified		Added last sentence from the model code with reference to NFPA 51.
C416 and Table C416.1			Approve		Oregon adds equipment and installation requirements for manufactured structures and RV parks.
		C416 (re-number to C417)	Approve as Modified		New model code section "Overpressure Protection Devices." (modified by new proposal)
	C417 (renumbered from C416)		Approve		New proposal to delete references to maintenance types of issues. Sections 416.3 and 416.5.4

**APPENDIX C
CHAPTER 5 (C-5)**

(Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to "~~International~~" codes ~~or~~ changing ~~outside~~ to outdoor. These and other minor editorial only modifications are not individually identified in this matrix.)

		C502.7	Approved as Modified		New model code section "Protection against physical damage."
C503.3.4			Approved as Modified		Move the Oregon amendment from Section 804.3.2 to Appendix C503.3.4 and further modify with reference Appendix C507.
		C503.3.6	Approved		New model code section "Above-ceiling airhandling spaces."
[503.5.6.2]			Approved		Oregon deletes section "cleanouts."
		[503.6.3 and 503.6.4]	Approved		Model code deleted these sections.
		C503.6.4	Approved		Model code added clarifying language.
		C503.6.6 and C503.6.7	Approved		New model code sections "Roof terminations" and Forced air."
		C503.6.9.2	Approved		Model code added clarifying language.
		C503.6.10	Approved		Model code added clarifying language.
		C503.7.2	Approved		Model code added clarifying language.
C503.10.2.2			Approved		Oregon added "garages" as unconditioned space.
		C503.10.14	Approved		Model code added clarifying language.
		C504.2.7	Approved		Model code added clarifying language.
		C504.2.9	Approved		Model code added clarifying language.
		C504.2.13	Approved		Model code added new section "Draft hood conversion accessories."
		C504.3.9.1	Approved		Model code added new section "Tee and wye fittings."
		C504.3.19	Approved		Model code added clarifying language.
		C504.3.20	Approved		Model code added clarifying language.

		C504.3.23	Approved		Mode code added new section "Draft hood conversion accessories."
	C505.1		Approved		Staff recommended adding reference to Section 507.
[505.1.1]			Approved		Oregon deletes this section.
		C505.1.1	Disapprove		New model code language added.

**APPENDIX C
CHAPTER 6 (C-6)**

(Many of the OR Amendments or Model Code changes throughout the Chapters are minor wordsmithing, examples such as the deletion of the reference to "~~International~~" codes ~~or~~ changing ~~outside~~ to outdoor. These and other minor editorial only modifications are not individually identified in this matrix.)

C614			Approved		Oregon deletes entire section and refers to Chapter 5.
[615.2, 615.3, 615.6 and 615.7]			Approved		Oregon deletes Section 615.2, 615.3, 615.6 and Section 615.7 and refers to Ch. 9 in Appendix Ch. C615.1.
C618.5			Approved		Oregon adds an exception for outdoor appliances.
		C621.7.1	Approved		Model code added new section "Ventless firebox enclosures."
C623.4.1			Approved		Oregon added a section on microwave ovens.
C629			Approved		Oregon adds requirements for kilns.
C631 and [632]			Approved		Oregon deletes section on boilers and references Chapter 10.

**APPENDIX C
CHAPTER 7 (C-7)
GASEOUS HYDROGEN SYSTEMS**

		C703.1	Approved		Model code added clarifying language.
		C703.1.1	Approved		Model code added clarifying language.
		C703.1.1.1	Approved		Model code added clarifying language.
		C703.1.2	Approved		Model code added clarifying language.
		C704.1.2.2	Approved		Model code added new section "Identification of hydrogen piping systems."

		C704.1.2.3	Approved		Model code added clarifying language.
		C704.1.2.3.1	Approved		Model code added clarifying language.
		C704.1.2.3.2	Approved		Model code added clarifying language.
		C704.1.2.3.3	Approved		Model code added clarifying language.
		C704.1.2.3.2	Approved		Model code deleted language.
		C704.1.2.3.3	Approved		Model code deleted language.
		C704.1.2.3.6	Approved		Model code deleted language.
		C704.1.2.4	Approved		Model code deleted language.
		C704.1.2.4	Approved		Model code added clarifying language.
		C704.1.2.4.1	Approved		Model code added clarifying language.
		C704.1.2.4.2	Approved		Model code added clarifying language.
		C705 and C706	Approved		Model code added and or deleted language to clarify.
		C707.2	Approved		Model code added clarifying language.

**APPENDIX C-8
REFERENCED STANDARDS**

			Approved		Carry forward current Oregon amendments.
			Approved		Model code updated referenced standards.