

Washington State Building Code Council • Code Change Cycle 2021 Group 2

2021 International Mechanical Codes Significant Change Review Worksheet

2021 Code Section	2018 Code Section	Title or Subject	Reviewer Comments	Sig. Change (Y/N)	Costs (Y/N)	WA Amend Needed (Y/N)	TAG Comments/ Recommendations to MVE Committee
2021 INTERNATIONAL MECHANICAL CODE							
Chapter 7 Combustion Air							
TAG Member Assigned: Mark Raebel							
			Chapter 7 defers to IFC and therefor chapter 7 is brief.				
			No updates on this code cycle.				
Chapter 8 Chimneys and Vents							
TAG Member Assigned: Mark Raebel							
801.21	NA	Blocked Vent Switch.	This is an added section for 2021. <ul style="list-style-type: none"> • Appears to add requirement that oil fired appliances be equipped with a device to stop burner operation in even of an obstructed vent. • Seems like there is potential for nuisance trips. • Maybe shut down a system in a cold space that is vacant causing water to freeze. • Potentially eliminate potential for buildup of combustion fumes • Based on temperature of flue. 	Y	Y	Y	I like that it is additional safety option. Not sure how often vents get blocked for oil fire appliances get clogged.
804.3.4			walk-way to walkway				

2021 Code Section	2018 Code Section	Title or Subject	Reviewer Comments	Sig. Change (Y/N)	Costs (Y/N)	WA Amend Needed (Y/N)	TAG Comments/ Recommendations to MVE Committee
805	805		Renumbering of 805 sections. 805.3 thru 805.8 Added 805.3 to factory built fire places. Appears to add requirement to comply with UL 127	N	N	Y	Renumber sections.
Chapter 9 Specific Appliances, Fireplaces and Solid Fuel-Burning Equipment							
TAG Member Assigned: Mark Raebel							
905.1	905.1		Added following line. "New wood-burning residential hydronic heaters shall be EPA certified." <ul style="list-style-type: none"> Seems to add cost to produce equipment to meet EPA standards. Not sure how many solid fuel hydronic boilers are out there. I do not have much experience with this type of equipment. 	Y	Y	Y	Recommend amending Washington code to match.
918.2	918.2		<ul style="list-style-type: none"> Added "or UL/CSA 60335-2-40" This is a testing and certification standard for equipment with refrigerant. Appears to be more rigorous testing Have not been exposed to this level of testing standards appears to be more for manufactures of equipment. 	n		Y	Since it is more rigorous testing and the comment is "or" I would recommend this be added.

2021 Code Section	2018 Code Section	Title or Subject	Reviewer Comments	Sig. Change (Y/N)	Costs (Y/N)	WA Amend Needed (Y/N)	TAG Comments/ Recommendations to MVE Committee
920.4	NA		<p>Prohibited uses for unit heaters. Ambulatory care facilities, corridors. Exits access stairways patient sleeping areas.</p> <p>Appears to be trying to get suspended units out of access paths for nursing homes type areas.</p> <p>Maybe wanting these places to have filtration while circulating the air to heat.</p>				
929.1	NA		<p>Unvented alcohol fuel burning appliances. Also added definition for unvented alcohol in section 202.</p> <p>Appears to provide guidance for a new type of product that is becoming popular.</p>	Y		Y	Would recommend adding and referencing UL standard similar to IMC.
930.1	929.1		Revise to be more accurate. Added "ceiling" to clarify large diameter fans.				Recommend revising to match IMC.
Chapter 14 Solar Thermal Systems							
TAG Member Assigned: Mark Raebel, Brandon Stock							
1402.8.1.2	Same	Rooftop-mounted solar thermal collectors and systems	<p>Added "mounting systems and their attachments to the roof" to the noncombustible requirement in this section.</p> <p>Existing State Amendment</p> <p>Staff recommendation: Delete state amendment; covered by new 2021 language.</p>	N		N	Recommend.
1404.1	Same	Collectors	Added clarification to solar collector numbering and verbiage.	N			recommend