

# 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
<b>2021 INTERNATIONAL MECHANICAL CODE</b>							
<b>Chapter 2 Definitions</b>							
<b>TAG Member Assigned: Andrea Smith</b>							
<p>Note: noticed there are a lot of definitions not listed in WAC but are in ICC. If we don't want too add a whole host of definitions to the WA Mechanical Code, I would suggest not adopting a majority of the definitions unless SBCC staff feels it would add clarity and reduce inquiries/questions. My adoption responses below are going with assumption that more clarity is better.</p>							
202	202	Balanced Ventilation	<p>New definition added to IMC</p> <p>Keep Balanced Whole House Ventilation definition rather than the ICC's 2021 definition of balanced ventilation</p>	N	N	N	
		Balanced Whole House Ventilation	<p><b>Existing Amendment</b></p> <p>2021 IMC adds a new definition for Balanced ventilation that is similar but missing the second sentence</p> <p><b>Staff recommendation:</b> Remove state amendment. Second sentence is a code exception that should be moved to Chapter 4.</p> <p>Accept staff recommendation</p>				
			<p><b>Balanced whole house ventilation.</b> Any combination of concurrently operating residential unit mechanical exhaust and mechanical supply whereby the total mechanical exhaust airflow rate is within 10 percent or 5 cfm, whichever is greater, of the total mechanical supply airflow rate. Intermittent dryer exhaust, intermittent range hood exhaust, and intermittent toilet room exhaust airflow rates above the residential dwelling or sleeping unit minimum ventilation rate are exempt from the balanced airflow calculation. [2021 IMC] BALANCED VENTILATION. Any combination of concurrently operating mechanical exhaust and mechanical supply whereby the total mechanical exhaust airflow rate is within 10 percent of the total mechanical supply airflow rate.</p>				
202	202	Ceiling Radiation Dampers	<p>New definition added to IMC</p> <p>Adopt definition</p>	N	N	N	

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202	202	Direct Evaporative Cooling	New definition added to IMC Adopt definition	N	N	N	
202	202	Flammability Classification (Refrigerant)	Creates flammability classifications Adopt definition	N	N	N	
202	202	Indirect Evaporative Cooling	New definition added to IMC Adopt definition	N	N	N	
202	202	Large-Diameter Ceiling Fan	New definition added to IMC Adopt definition	N	N	N	
202	202	Press-Connect Joint	Added "bite ring" to definition Adopt change in definition	N	N	N	
202	202	Refrigerant Safety Group Classification	Creates safety classification based on flammability and toxicity Adopt definition	N	N	N	
202	202	Toxicity Classification (Refrigerant)	Creates toxicity classifications Adopt definition	N	N	N	
202	202	Unvented Alcohol Fuel-Burning Decorative Appliance	New definition added to IMC Adopt definition	N	N	N	
		Distributed whole house ventilation	<b>Existing Amendment</b> WA only language <b>Staff Recommendation:</b> Retain state amendment Keep existing amendment				
		Local exhaust	<b>Existing Amendment</b> WA only language <b>Staff Recommendation:</b> Retain state amendment Keep existing amendment				

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		Permanent construction	<b>Existing Amendment</b> WA only language <b>Staff Recommendation:</b> Retain state amendment Keep existing amendment				
		Relief air	<b>Existing Amendment</b> WA only language <b>Staff Recommendation:</b> Retain state amendment Keep existing amendment				
		Replacement air	<b>Existing Amendment</b> WA only language <b>Staff Recommendation:</b> Retain state amendment Keep existing amendment				
		Whole house ventilation system	<b>Existing Amendment</b> WA only language <b>Staff Recommendation:</b> Retain state amendment Keep existing amendment				
		Ventilation zone	<b>Existing Amendment</b> WA only language <b>Staff Recommendation:</b> Retain state amendment Keep existing amendment				
<b>Chapter 3 General Regulations</b>							
<b>TAG Member Assigned: Andrea Smith</b>							
301.18	301.18	Seismic resistance	Adds anchoring and bracing to seismic resistance requirements	N	M	N	
304.11	304.11	Guards	Guard shall extend not less than 30 inches beyond each end of components that require service and each end of the roof hatch parallel to the roof edge // Adds reference to standards the exception should meet.	N	N	N	

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307.1.1	N/A	Identification	Requires end of piping to be marked so it's easily determined if it is connected to primary or secondary drain	N	N	N	
307.2.1.1	N/A	Condensate discharge	Condensate drains cannot connect to any plumbing drain, waste, or vent pipe. Shouldn't discharge into plumbing fixtures other than those listed.	Y	N	N	
307.2.2	307.2.2	Drain pipe materials and sizes	Adds ABS, CPVC, galvanized steel, PE-RT, polypropylene, and PVDF as components of systems and determines appropriate size of piping.	N	N	N	
307.2.3	307.2.3	Auxiliary and secondary drain systems	<b>Existing State Amendment</b> Added exception to the requirement for water-level detection devices for unducted fan coil units <b>Staff Recommendation:</b> Retain existing Amendment Keep existing amendment				
307.2.3.3	N/A	Identification	Requires the end of condensate piping is marked to indicate which drain pipe it is connected to.	N	N	N	
307.2.4.1	307.2.4.1	Ductless mini-split system traps	<b>Existing State Amendment</b> Adds allowance for other means of condensate drainage <b>Staff Recommendation:</b> Retain existing amendment Keep existing amendment				