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Errata

Report:

Carbon Monoxide Detection and Alarm Requirements: Literature Review

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Reference:

- 1) **Table 1, Page 7, last row:** replaced “^” with “/”. [Note: a “^” symbol indicates that a requirement for an existing structure is the same requirement for a new structure; a “/” indicates that code does not mention a requirement for that occupancy.]

Detached One- and Two-Family Dwellings	<u>New</u>	Dwelling units with attached garage, or contains fuel burning equipment; detector shall be placed outside each sleeping room, each occupiable level; NOT required in garage, space next to open or mechanically ventilated garage	Dwelling units with attached garage, or contains fuel burning equipment; detector shall be placed outside each sleeping room, each occupiable level; NOT required in garage, space next to open or mechanically ventilated garage	R315.2 IRC
	<u>Existing</u>	/	/ Δ	^

2) Chapter 3, Page 12 write-up.

3: Review of State ~~Fire Code Mandates and~~ Regulations

Table 2 provides a summary of state fire code regulations regarding CO alarm installation. The table lists all the states and includes Washington D.C. on the left column, with the different occupancy types along the top. An “x” indicated that state has regulation to some degree for that occupancy. There are occupancy types that are not included in Table 2 as they aren’t regulated by any state, and certain occupancy types, such as assembly occupancies, that have had documented incidents and deaths, are shown to have very little regulation. The state fire code used, and their respective editions are also provided. States have one of the four conditions: IFC use, NFPA 1/101 use, state specific use, or no statewide use at all. States also have different editions of the respective codes, some as recent as 2018, and some being as dated as 2006, such as Hawaii. There is also an important caveat that while some states have a statewide fire code use, it does not necessarily mean it’s enforced statewide; some states allow local jurisdictions to make amendments or have their own regulations to be enforced. Also, it is important to note is that a majority of states have an incorporation by reference of some edition of the IFC. The Occupational Safety and Health Administration (OSHA) has their own CO limitation for workplaces (50 ppm over eight hours); however, they do not regulate the installation of CO detectors. The Federal Hotel and Motel Fire Safety Act of 1990 was an amendment to the Federal Fire Prevention and Control Act of 1974 to expand safety regulations for hotels and motels. There is another amendment currently being proposed to this to include CO detection requirements. It would require the installation of CO detectors and alarms in every hotel and motel room Error! Reference source not found. Table 2 provides a summary of the CO detector requirements based on the referenced state fire codes. It is important to note that CO detector requirements may be required by other state statutes and mandates which are not included in Table 2. In addition, Table 2 does not reference local amendments to the enforced fire codes.

During this review process, multiple online resources were identified that summarize CO detector requirements in state statutes. For additional information, we are providing a reference to the National Conference of State Legislatures (NCSL) as an online resource that can be utilized in addition to Table 2, to determine CO detector requirements from state statutes. This NCSL CO detector information was last updated in March 2018.

3) Table 2, Page 13-17, Rows for the following States: Connecticut, Delaware, Florida, Illinois, Louisiana, Maine, Maryland, Massachusetts, New Hampshire, Rhode Island, West Virginia were updated.

Table 1: State Fire Code CO Regulations by Occupancy

Table labels: N – New occupancy; E – Existing occupancy

State	Adoption	Edition	Enforcement/ Notes	Assembly		Education		Daycare		Healthcare		Residential Home		Lodging/ Rooming		Hotels/ Dormitories		Apartment Buildings		Residential Board & Care		
				N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	
Connecticut	NFPA 101 - Life Safety Code	2015	Statewide incorporation by reference/ Enforcement			X		X		X	X	X	X	X		X		X				
Delaware	NFPA 1 - Fire Code NFPA 101 - Life Safety Code	2015	Local incorporation by reference/ Enforcement			X		X		X	X	X	X	X		X		X				
Florida	Florida Fire Prevention Code/ NFPA 1/101	2015	Statewide incorporation by reference and Enforcement			X		X		X	X	X	X	X		X		X				
Illinois	NFPA 101 - Life Safety Code	2015	Local incorporation by reference/ Enforcement			X		X		X	X	X	X	X		X		X				
Louisiana	NFPA 101 - Life Safety Code	2015	Statewide incorporation by reference/ Enforcement			X		X		X	X	X	X	X		X		X				
Maine	NFPA 1/101	2018	Statewide incorporation by reference, Local Enforcement	X		X		X		X	X	X	X	X		X		X		X		
Maryland	NFPA 1/101	2018	Statewide incorporation by reference, Local jurisdictions can choose to adopt/enforce their own codes	X		X		X		X	X	X	X	X		X		X		X		
Massachusetts	Massachusetts Fire Code 2017/NFPA 1/101	2015	Statewide incorporation by reference/ Enforcement			X		X		X	X	X	X	X		X		X				
New Hampshire	NFPA 1	2015	Statewide incorporation by reference/ Enforcement					X		X	X	X	X	X		X		X		X		
Rhode Island	NFPA 1	2015	Statewide incorporation by reference/			X		X		X	X	X	X	X		X		X				

State	Adoption	Edition	Enforcement/ Notes	Assembly		Education		Daycare		Healthcare		Residential Home		Lodging/ Rooming		Hotels/ Dormitories		Apartment Buildings		Residential Board & Care		
				N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N
			Enforcement																			
West Virginia	NFPA 1, NFPA 101 and International Building Code	2015	<i>Statewide incorporation by reference, up to local jurisdiction to enforce</i>			X		X		X	X	X	X		X		X		X			

4) Others:

Terminology has been revised to replace the term “adoption” with the terms “use” or “incorporation by reference” throughout this report.

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