

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
Chapter 15 Referenced Standards							
TAG Member Assigned: Staff							
		ANCE 60335-2-40-2019	Existing State Amendment Retain state amendment (although it is listed under UL without the ANCE reference, but as the 2017 edition)			Y	
		ANSI/ACCA 10	Adds HVAC standard for swimming pools and spas as referenced in 403.2.1	N	N	N	
		ASHRAE 15-2019	Existing State Amendment Delete state amendment—standard is updated to the same version in the 2021 edition			N	
		ASHRAE 34-2019	Existing State Amendment Delete state amendment—standard is updated to the same version in the 2021 edition			N	
		ASHRAE 62.2-2016	Existing State Amendment Retain state amendment, but update to 2019			Y	
		ASHRAE 90.1	Added as an alternate compliance method in 401.2	N	N	N	
		ASME	Four new standards added as referenced in the new refrigerant piping materials and joints and connections sections in Chapter 11: B1.1-2003 Unified Inch Screw Threads B1.13M-2006 Metric Screw Threads B1.20.3-1976 Dryseal Pipe Threads B16.50-2018 Copper & Copper alloy fittings	N	N	N	

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		ASSE 1079	Corresponds to new refrigeration joints and connections section: Performance requirements for dielectric pipe unions	N	N	N	
		ASTM	<ul style="list-style-type: none"> • New standards added as referenced in the new refrigerant piping materials and joints and connections sections in Chapter 11: A181/A181M-14 Carbon Steel Forgings A193/A193M-19 Alloy & Stainless Steel Bolting A334/A334M-04a(2016) Seamless and Welded Carbon and Alloy Steel Tubes A707/A707M-19 Forged Carbon and Alloy Steel Flanges B210/B210M-19a Aluminum and Aluminum Alloy Drawn Seamless Tubes B361-16 Factory-made Wrought Aluminum Welding Fittings B491/491M-15 Aluminum Extruded Round Tubes B1003-16 Seamless Copper Tubes for Linesets • Various other new standards for Chapters 12 and 13: Ch 12: F2855-12 CPVC-AL-CPVC Composite Pressure Tubing F3253-2017 PEX Tubing with Oxygen Barrier Ch13: A240/A240M-17 Chromium and Chromium Nickle Stainless Steel for Pressure Vessels A269-15 Seamless and Welded Austenitic Stainless Steel Pipes 	N	N	N	

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			A312-17 Seamless, Welded and Heavily Cold Worked Austenitic Stainless Steel Pipes F3226-16 Metallic Press-Connect Fittings				
		CSA 60335-2-40-2019	Existing State Amendment Retain state amendment (although it is listed under UL without the ANCE reference, but as the 2017 edition)			Y	
		HVI 915/916/920-2015	Existing State Amendment Retain state amendment but update to the 2020 edition			Y	
		NFPA	Three new NFPA standard as referenced by other code changes (407.1, 607.4.1.2): 80-19 Standard for Fire Doors and Other Opening Protectives 99-21 Health Care Facilities Code 105-19 Standard for Smoke Door Assemblies and Other Opening Protectives	N	N	N	
		NSF	Two new standards as referenced by other code changes (1210.4, 1210.5) and one added missing reference (NSF 14): 14-2017 Plastic Piping System Components and Related Materials 358-3-2016 PEX Pipe and Fittings for Water Based Ground Source Heat Pumps 358-4-2017 OE-RT Pipe and Fittings for Water Based Ground Source Heat Pumps	N	N	N	

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		SMACNA	Add two missing referenced standards (510.8.1): SMACNA/ANSI—2011 Rectangular Industrial Duct Construction Standards, 2 nd Edition SMACNA/ANSI—2013 Round Industrial Duct Construction Standards, 3 rd Edition	N	N	N	
		UL	<ul style="list-style-type: none"> • New standards from refrigeration changes: 109-97 Tube fittings for Flammable and Combustible Fluids, Refrigeration Service and Marine Use 427-11 Standard for Refrigerating Units 474-15 Standard for Dehumidifiers 484-14 Standard for Room Air Conditioners • New standard based on change to 1302.9: 971A—2006 Outline of Investigation for Metallic Underground Fuel Pipe 1369-18 Standard for Aboveground Piping for Flammable and Combustible Liquids • Other new standards: 1370-11 Unvented Alcohol Fuel Burning Decorative Appliances (with revisions through March 25, 2016) (929.1) 8782-17 Outline of Investigation for Pollution Control Units for Commercial Cooking (506.5.2) <p style="color: red;">UL/CSA 60335-2-40-17 Household and Similar Electrical Appliances—Safety—Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers (908.1, 916.1, 918.1, 918.2)</p>	N	N	Y 60335-2-40 Should reference 2019 as in existing state amendment; Reference to 1101.2 for this standard	

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			UL/CSA 60335-2-89-17 Household and Similar Electrical Appliances—Safety— Part 2-89: Particular Requirements Commercial Refrigerating Appliances with an Incorporated or Remote Refrigerant Unit or Compressor (T 1101.2)				
		General edition updates	<p>AHRI 700, ANSI Z21.1, ANSI/AMCA 210/ASHRAE 51, ASHRAE 62.1/62.2, ASHRAE 180, ASHRAE Fundamentals Handbook, ANSI/ASSP Z359.1, AWWA 151, IBC, ICC 900, ICC 901, IECC, IFC, IFGC, IRC, ANSI/IIAR 3, ANSI/IIAR 4, ANSI/IIAR 5, MSS SP58, NBBI AH116, NSF 358-1, NSF 358-2,</p> <p>ASTM A53, A105, A106, A234, A254, 420, B135, B251, B280, B302, B813, B819, B828, C315, C411, D56, D93, D1785, D2235, D2412, D2466, D2564, D2846, D2996, D3261, E84, E119, E136, E814, E1509, E2231, F438, F879, F877, F1055, F1282, F1548, F1807, F1960, F2159, F2389, F2735, F2769</p> <p>CSA 151, CSA B137.1, B137.2, B137.3, B137.5, B137.6, B137.9, B137.10, B137.11, B137.18, C22.2 No. 218.1, C22.2 No. 236</p> <p>NFPA 1, 30A, 31, 58, 69, 70, 72, 82, 85, 91, 92, 96, 211, 262, 286, 853</p> <p>UL 268, 412, 471, 499, 507, 508, 536, 555, 555C, 555S, 641, 705, 710, 723, 727, 731, 732, 834, 858, 864, 867, 875, 923, 1046, 1240, 1261, 1563, 1618, 1812, 1815, 1820, 1887, 1978, 1995, 2043, 2075, 2158, 2158A, 2523</p>			<p>Y</p> <p>UL 864 (existing amendment) should be updated to standard referenced in 2021 IMC with a reference to Section 606.2.2 added to the citation</p>	

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