

New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IFGC

To be completed by Chair								To be completed by TAG members				
Item No.	Minnesota Code Section	"I" Code Section	Subject	Current Minnesota Amend	Description of Change	Safety & Health Value	Cost Impact	Recommendation A - Accept R - Reject AM - Amend or Comments	Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus	Stakeholder Consensus	Comments
				Y or N		N=None, L=Low M=Med, H=High	Y or N			Y or N		
1	1346.5101		Systems, appliances, and equipment outside the scope	Y		N	N	Items 1 and 13 address LP gas but nothing on natural gas. Suggest amending to remove items 1 and 13 to help insure life safety and prevent property loss and to align with fire code. Need to add a reference to NFPA 501A (manufactured structures) and revise subpart 3 (reference to IFGC 402.6.1) which does not exist.				
2	1346.0201.4	201.4	Terms not defined	Y	Chapter 1300 is looking to change the definition	N	N	Need to table and revisit when the MN rules 1300 makes a decision				
3		202	Approved agency	N	2024 changed verbiage	N	N	Follow IMC language				
4		202	Listed	N	2024 changed verbiage	N	N	Follow IMC language				
5		202	Peer review	N	2024 added a definition	N	N	Follow IMC language				
6		202	Point of delivery	N	2021 changed verbiage, remains in the 2024	N	N	Accept: Very minor changes				
7		202	Press-connect joint	N	2021 added a definition, remains in the 2024	N	N	Follow IMC language				
8		202	Regulator, monitoring	N	2021 changed verbiage, remains in the 2024	N	N	Accept: Very minor changes				
9		202	Service meter assembly	N	2021 added a definition, remains in the 2024	N	N	Accept: Provides clarity				
10		202	System shutoff	N	2021 added a definition, remains in the 2024	N	N	Accept: Provides clarity				
11		202	Thermostat	N	2021 changed by adding integral gas valve type, remains in the 2024	N	N	A				
12		202	Valve	N	2021 changed definition of service shutoff, remains in the 2024	N	N	Accept: Very minor changes				
13		302.3	Cutting, notching and boring in wood members	N	2024 changed verbiage	N	N	Follow IMC language				
14		302.3.2	Joist notching and boring	N	2024 removed section	N	N	A				
15		302.3.3	Stud cutting and notching	N	2024 removed section	N	N	A				
16		302.3.4	Bored holes	N	2024 removed section	N	N	A				

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17		302.6	Cutting and notching in cold-formed steel framing	N	2024 changed verbiage adding AISI S240 and AISI S220	N	N	A					
18		302.7	Cutting, notching and boring in non-structural cold-formed steel wall framing	N	2024 removed section	N	N	A					
19	1346.5303.3.1	303.3.1	Fireplaces and decorative appliances in group I-2 occupancies	N	2021 changed verbiage, remains in the 2024	N	N	Visit the 2020 SONAR. Will changes in the 2021 IFGC be sufficient?					
20	1346.5304.1	304.1	Combustion, ventilation and dilution air, general	Y	2024 changed verbiage, Minnesota has an amendment.	N	N	Need to revisit and make changes as required to follow IRC mechanical language					
21	1346.5304.6.1	304.6.1	Two-permanent-openings method	Y	Minnesota amendment	N	N	Review to see if anyone would use the method and if they choose, what is the issue? Thinking of a boiler room for example					
22	1346.5304.6.2	304.6.2	One-permanent-opening method	Y	Minnesota amendment	N	N	A: History might not be a reason to keep amendment.					
23		304.8	Engineering installations	N	2021 changed verbiage, remains in the 2024	N	N	A					
24	1346.5304.11	304.11	Combustion air ducts	Y	Minnesota amendment	N	N	Revisit to make necessary changes					
25		304.12	Protection from fumes and gases	N	2024 changed verbiage	N	N	A					
26		306.1	Access for maintenance and replacement	N	2024 changed verbiage	N	N	A					
27	1346.5306.5	306.5	Mechanical equipment and appliances on roofs and elevated structures	Y	Minnesota amendment	N	N	Follow IMC language					

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28	1346.5306.6	306.6	Guards	Y	2021 changed verbiage, remains in the 2024	N	N	Request removing the exception that allows fall arrest/restraint anchorage connection devices because of snow on roofs and the inability to find these devices.					
29		307.2	Fuel-burning appliances	N	2021 changed verbiage, remains in the 2024	N	N	A					
30		307.3	Drain pipe material and sizes	N	2021 changed verbiage, remains in the 2024	N	N	A					
31	1346.5307.6	307.6	Condensate pumps	Y	Minnesoata deleted section	N	N	Follow IMC language					
32		310.1	Pipe and tubing other than CSST	N	2024 changed verbiage	N	N	A					
33		310.3	Arc-resistant CSST	N	2024 changed verbiage	N	N	A					
34	1346.5311		Carbon monoxide alarms	Y	Minnesota amendment	N	N	Review and add changes, revise in IMC					
35		401.5	Identification	N	2021 changed verbiage, remains in the 2024	N	N	A					
36	1346.5401.5.1		Medium and high pressure identification	Y	Minnesota amendment	N	N	Suggest removing amendment as 401.5 model code language would require all pipe to be labeled.					
37		402.3	Sizing	N	2021 changed verbiage, remains in the 2024	N	N	A					
38		402.6	Allowable pressure drop	N	2021 changed verbiage, remains in the 2024	N	N	A					
39		402.7	Maximum operating pressure	N	2021 changed verbiage, remains in the 2024	N	N	A					
40	Table 402.4(2)A		Pipe sizing table for natural gas	Y	Minnesota amendment	N	N	Is there anywhere that this table is still needed? Research to see if amendment can be removed					
41		403.3	Other materials	N	2021 removed section and renumbered the rest of the section, not added to the 2024.	N	N	A					
42	1346.5403.4.2	403.3.2	Steel	Y	Minnesota amendment	N	N	Suggest removing amendment as the amendment is not Minnesota specific					

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43		403.6	Workmanship and defects	N	2024 changed verbiage	N	N	A					
44	1346.5403.8	403.7	Protective coating	Y	Minnesota amendment	N	N	Minnesota amendment is more specific, no issues with removing or keeping amendment					
45		403.8.3	Threaded joint sealing	N	2021 changed verbiage, remains in the 2024	N	N	A					
46		403.9	Metallic piping joints and fittings	N	2024 changed verbiage	N	N	A					
47	1346.5403.10.1	403.9.1	Pipe joints	Y	Minnesota amendment	N	N	Suggest removing amendment as the amendment is not Minnesota specific					
48		403.10.	Plastic pipe, joints and fittings	N	2021 changed verbiage, remains in the 2024	N	N	A					
49		403.11.3	Nonferrous	N	2024 changed verbiage	N	N	A					
50		403.12.1	Flanges	N	2024 added a section, renumbered rest of section	N	N	A					
51		404.5	Fittings in concealed locations	N	2021 changed verbiage, remains in the 2024	N	N	A					
52	1346.5404.6	404.6	Underground penetrations prohibited	Y	Minnesota amendment	N	N	Suggest removing amendment as the amendment is not Minnesota specific.					
53		404.8.2	Conduit with both ends terminating indoors	N	2024 changed verbiage	N	N	A					
54		404.11.5	Prohibited use	N	2021 removed section, not added to the 2024.	N	N	A					
55	1346.5414	404.14	Piping underground beneath buildings	Y	Minnesota amendment	N	N	Suggest removing amendment as the amendment is not Minnesota specific.					
56		404.14.2	Conduit with both ends terminating indoors	N	2024 changed verbiage	N	N	A					
57		404.18	Pipe debris removal	N	2021 changed title and verbiage, kept in the 2024	N	N	A					

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58	1346.5406.1.2	406.1.2	Alterations, repairs and additions	Y	Minnesota amendment	N	N	Visit the amendment and rewrite as needed or remove.				
59		406.1.2	Repairs and additions	Y	2024 changed verbiage and header	N	N	Removed alterations. Need to review section following previous change.				
60	1346.5406.1.5	406.1.5	Regulators and valve assemblies	Y	Minnesota amendment	N	N	Minnesota removed section. Need to review.				
61	1346.5406.4.1	406.4.1	Test pressure	Y	Minnesota amendment	N	N	A: review for any changes needed				
62	1346.5406.4.2	406.4.2	Test duration	Y	Minnesota amendment	N	N	A: review for any changes needed				
63	1346.5406.4.3		Test guages	Y	Minnesota added amendment	N	N	A: review for any changes needed				
64		406.5.1	Detection methods	N	2024 changed verbiage	N	N	A				
65		406.7.3.1	Abandoned fuel gas piping	N	2024 added a new section	N	N	A				
66	1346.5409.1.4		Main shutoff valve	Y	Minnesota amendment	N	N	Repeal				
67	1346.5409.2	409.2	Meter valve	Y	Minnesota amendment	N	N	Repeal				
68	1346.5409.3.1	409.3.1	Multiple-tenant buildings	Y	Minnesota amendment	N	N	Repeal				
69		409.5.3	Located at manifold	N	2024 changed verbiage	N	N	A				
70		409.6	Shutoff valve for laboratories	N	2024 changed verbiage	N	N	A: any thought on solenoids?				
71	1346.5410.3	410.3	Venting of regulators	Y	Minnesota amendment	N	N	Consider model code language				
72		411.1	Connecting appliances	N	2021 changed verbiage, remains in the 2024	N	N	A				
73		411.1.6	Unions	N	2024 changed verbiage	N	N	A				
74		F413.2.3	Residential fueling appliances	N	2021 changed verbiage, remains in the 2024	N	N	A				
75		F413.2.4	Nonresidential fueling appliances	N	2021 changed verbiage, remains in the 2024	N	N	A				
76		F413.4	Residential fueling appliance installation	N	2021 changed verbiage, remains in the 2024	N	N	A				
77		F413.5	Nonresidential fueling appliance installation	N	2021 changed verbiage, remains in the 2024	N	N	A				
78		416.3	Overpressure protection devices	N	2024 changed verbiage	N	N	A				

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79		416.3.6	Size of fittings, pipe and openings	N	2024 changed verbiage	N	N	A					
80	1346.5501.7	501.7	Connection to Fireplace	Y	Minnesota amendment. 2024 changed verbiage.	N	N	Suggest removing or rewriting amendment as the requirement is not Minnesota specific.					
81	1346.5501.8	501.8	Appliances not required to be vented	Y	Minnesota amendment	N	N	Suggest removing or rewriting amendment as the requirement is not Minnesota specific.					
82	1346.5501.12	501.12	Residential and low-heat appliances flue lining systems	Y	Minnesota amendment	N	N	Suggest removing or rewriting amendment as the requirement is not Minnesota specific.					
83	1346.5503.2.2	503.2.2	Well-ventilated spaces	Y	Minnesota amendment	N	N	Minnesota removed section. Could be detrimental for direct-fired MUA units					
84		503.2.3	Direct-vent appliances	N	2021 changed verbiage, remains in the 2024	N	N	A					
85		503.2.4	Appliances with intergral vents	N	2021 changed verbiage, remains in the 2024	N	N	A					
86		503.2.5	Incinerators	N	2021 changed verbiage, remains in the 2024	N	N	A					
87		503.3.3	Mechanical draft systems	N	2021 removed item 6, remains deleted in 2024	N	N	A					
88		503.5.1	Factory-built chimneys	N	2021 changed verbiage, remains in the 2024	N	N	A					
89	1346.5503.5.5	503.5.5	Size of chimneys	Y	Minnesota amendment, also 2021 changed verbiage, remains in 2024	N	N	Consider model code language					
90	1346.5503.5.6	503.5.6	Inspection of chimney	Y	Minnesota added an exception, not in model code language	N	N	?					
91		503.5.6.1	Chimney lining	N	2021 removed the exception, remains in the 2024	N	N	A					
92		503.5.11	Insulation sheild	N	2021 changed verbiage, remains in the 2024	N	N	A					
93	1346.5503.6.10.1	503.6.10.1	Category I appliances	Y	Minnesota amendment, also 2021 changed verbiage, remains in 2024	N	N	Consider model code language					
94		503.6.10.4	Mechanical draft	N	2021 changed verbiage, remains in the 2024	N	N	A					
95		503.6.11	Gas vents serving appliances on more than one floor	N	2021 changed verbiage, remains in the 2024	N	N	A					
96		503.7.9	Size of single-wall metal pipe	N	2021 changed verbiage, remains in the 2024	N	N	A					

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97		503.8	Venting system terminal clearances	N	2021 changed title and verbiage, kept in the 2024. All the numbered parts have been removed	N	N	A					
98		Table 503.8	Through-the-wall vent terminal clearance	N	2021 changed title and table, kept in the 2024. The table is more informative	N	N	A					
99		503.10.2.5	Medium-heat appliances	N	2021 changed verbiage in item 4, remains in the 2024	N	N	A					
100		Figure 503.8	Figure 503.8 Through-the-wall vent terminal clearance	N	New figure not in the 2018 IMC, remains in the 2024	N	N	A					
101		503.10.3.1	Single draft hood and fan-assisted	N	2021 changed verbiage, remains in the 2024	N	N	A					
102		503.10.3.2	Multiple draft hood	N	2021 changed verbiage, remains in the 2024	N	N	A					
103		503.10.3.3	Multiple appliances	N	2021 changed verbiage, remains in the 2024	N	N	A					
104		503.10.3.4	Common connector/manifold	N	2021 changed verbiage, remains in the 2024	N	N	A					
105		503.10.7	Connector junctions	N	2021 added section, renumbered rest of 503.10 remains in the 2024	N	N	A					
106		503.12.2.2	Installation	N	2021 removed section, still gone in the 2024	N	N	A					
107		503.13	Manually operated dampers	N	2021 changed verbiage, remains in the 2024	N	N	A					
108		503.14	Automatically operated vent dampers	N	2021 changed verbiage, 2024 changed title and verbiage.	N	N	A					
109		503.15	Obstructions	N	2021 changed verbiage in items 2 and 5, remains in the 2024	N	N	A					
110	1346.5504.2.8	504.2.8	Vent area and diameter	Y	Minnesota amendment	N	N	Vent sizing down to 4 from 7 in model code					
111		504.2.16	Engineering calculations	N	2021 changed verbiage, remains in the 2024	N	N	A					
112		504.3.12	Vent height measurement	N	2021 changed verbiage, remains in the 2024	N	N	A					
113		504.3.13	Multistory height measurement	N	2021 changed verbiage, remains in the 2024	N	N	A					
114	1346.5504.17	504.3.17	Vertical vent maximum size	Y	Minnesota amendment	N	N	Vent sizing down to 4 from 7 in model code					
115		504.3.18	Multiple input rate appliances	N	2021 changed verbiage, remains in the 2024	N	N	A					
116	1346.5504.3.19	504.3.19	Liner system sizing and connections	Y	Minnesota amendment	N	N	Review to verify amendment is necessary					

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117		602.1	General	N	2021 changed verbiage, 2024 also changed verbiage.	N	N	A					
118		602.2	Flame safeguard device	N	2021 changed verbiage, remains in the 2024	N	N	A					
119	1346.5602.3	602.3	Prohibited installations	Y	Minnesota amendment	N	N	Keep amendment					
120		603.1	Log lighters	N	2021 changed verbiage, remains in the 2024	N	N	CSA 8 changes					
121		604.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					
122		605.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					
123		608.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					
124		609.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					
125		610.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					
126		611.2	Installation	N	2021 changed verbiage, remains in the 2024	N	N	A: Review to see if an amendment is necessary to clarify where nonrecirculating direct-fired industrial air heaters can be installed					
127		612.2	Location	N	2021 changed verbiage, remains in the 2024	N	N	A: Review to see if an amendment is necessary to clarify where recirculating direct-fired industrial air heaters can be installed					
128		613.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					
129		M614.4.1	Termination location	N	2021 added section, renumbered the rest of 614, remains in the 2024	N	N	A					
130		M614.6	Booster fans prohibited		2021 added section, renumbered makeup air, remains in the 2024	N	N	A					
131		M614.7.1	Closet installation	N	2021 added section, remains in the 2024	N	N	A					
132		617.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					
133		618.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					
134		618.6	(IFGS) Furnace plenums and air ducts	N	2021 changed verbiage, remains in the 2024	N	N	A					
135		620.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					
136	1346.5621	621	Unvented room heaters	Y	Minnesota amendment	N	N	Keep amendment					
137		622.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					
138		623.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					
139		624.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					
140		625.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					
141		627.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					
142		628.1	General	N	2021 changed verbiage, remains in the 2024	N	N	A					

