DEPARTMENT OF LABOR AND INDUSTRY
CONSTRUCTION CODES ADVISORY COUNCIL

# Mechanical and Fuel Gas Code TAG

## Meeting Notes

**Date:** Monday, December 16, 2024
**Time:** 9:00 am to 12:00 pm
**Meeting Location:** Hybrid—DLI Washington Room/Webex

## Call to order:

Chris Rosival, Chair

## Attendance:

**TAG Members attending:** Jennifer Books, Troy Burger, Kevin Johnson, Kirk Luthe, Tim Manz, Chris Rosival, Mario Salute, John Smith, Brian Stemwedel

**Guests attending:** Mike Bunnell, Nick Erickson, Joshua Harmon, Patrick Murray, Terence Olson, Chad Payment, Jesse Soller, Amanda Spuckler, Elizabeth Torske, Chris Weaver, Shawn Wetterlin, Mike Wilson

## Worksheet and Code Change Proposal Review:

Reviewed the following Code Change Proposals (CCP) to the 2024 International Mechanical Code (IMC):

- The TAG consensus is to accept a code change proposal to amend current Minnesota Rules, part 1346.0313, requirements for carbon monoxide alarms to add “that is utilized to control environmental conditions, including water heaters, and is capable of producing carbon monoxide during operation.”

Reviewed the following Code Change Proposals (CCP) to the 2024 International Fuel Gas Code (IFGC):

- The TAG consensus is to accept a code change proposal to amend current Minnesota Rules, part 1346.5304, requirements for combustion, ventilation and dilution air, to specify a “minimum dimension of 3 inches.”

- The TAG consensus is to accept a code change proposal to amend current Minnesota Rules, part 1346.0311, requirements for carbon monoxide alarms, to add “that is utilized to control environmental conditions, including water heaters, and is capable of producing carbon monoxide during operation.”

- The TAG consensus is to accept a code change proposal to modify section 635.1 to include requirements for a gas timer/emergency shutoff valve and to reformat requirements as a list.

Reviewed the following Code Change Proposal (CCP) to the 2024 International Residential Code (IRC):

- The TAG consensus is to accept a code change proposal to modify section M1411.3 by adding new section M1411.3.1 to include a reference to ASHRAE Standard 15.2. Sections M1411.1 and M1411.2 in the model code will remain unchanged.

- The TAG consensus is to accept a code change proposal to modify section M1411.10 by adding language on condensate pumps for condensing heating appliances.

- The TAG consensus is to table a code change proposal to modify section M1601.1.1 on above-ground duct systems due to concerns about unamended items #5 & #6. A TAG member will revise the code change proposal.

Reviewed IMC worksheet item #8 corresponding to definition of balanced ventilation in the 2024 International Mechanical Code (IMC):

- The TAG will review definitions of balanced ventilation in other codes.

Reviewed IFGC worksheet item #19 corresponding to section 303.3.1 of the 2024 International Fuel Gas Code (IFGC):

- The TAG consensus is to repeal Minnesota Rules, part 1346.5303, subpart 2, requirements for fireplaces and decorative appliances in Group I-1 and I-2 occupancies, and to accept the 2024 IFGC model code language.

Reviewed IFGC worksheet item #80 corresponding to section 501.7 of the 2024 International Fuel Gas Code (IFGC):

- The TAG consensus is to delete the modification to section 501.7 requirements for connection to a fireplace in Minnesota Rules, part 1346.5501, subpart 1, and to accept the 2024 IFGC model code language.

Reviewed IRC worksheet items 140B to 193 corresponding to the following sections in the 2024 International Residential Code (IRC) mechanical provisions:

- Section M1601.1.2 Underground duct systems
  The TAG consensus is to table discussion of this section for further review by TAG members. A TAG member will submit a CCP.

- Section M1601.2 Vibration isolators
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.3 Duct insulation materials
  The TAG consensus is to table discussion of this section for further review by TAG members. A TAG member will submit a CCP.

- Section M1601.4 and M1601.4.1 Joints, seams, and connections
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.4.2 Duct Lap
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.4.3 Plastic duct joints
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.4.4 Support
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.4.5 Fireblocking
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.4.6 Duct installation
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.4.7 Factory-made air ducts
  The TAG consensus is to table discussion of this section for further review by TAG members. A TAG member will submit a CCP.

- Section M1601.4.8 Duct separation
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.4.9 Ducts located in garages
  The TAG consensus is to table discussion until staff submits a CCP.

- Section M1601.4.10 Flood hazard areas
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.5 Under-floor plenums
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.5.1 General
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.5.2 Materials
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.5.3 Furnace connections
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.5.4 Access
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.5.5 Furnace controls
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1601.6 Independent garage HVAC systems
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1602.1 Outdoor air openings
  The TAG consensus is to table discussion of this section for further review by TAG members. A TAG member will submit a CCP.

- Section M1602.2 Return air openings
  The TAG consensus is to accept the 2024 IRC model code language.

- Chapter 17 Combustion air
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.1 Venting required
  The TAG consensus is to accept the 2024 IRC model code language.

- Table M1801.2 Draft requirements
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.3 Existing chimneys and vents
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.3.1 Size
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.3.2 Flue passageways
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.3.3 Cleanout
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.3.4 Clearances
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.4 Space around lining
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.5 Mechanical draft systems
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.6 Direct-vent systems
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.7 Support
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.8 Duct penetrations
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.9 Fireblocking
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.10 Unused openings
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.11 Multiple-appliance venting systems
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1801.12 Multiple solid fuel prohibited
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1802.1 Draft hoods
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1802.2, 1802.2.1 and 1802.2.2 Vent dampers
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1802.3 and M1802.3.1 Draft regulators
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1802.4 Blocked vent switch
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1803.1 General
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1803.2 Connector for oil and solid fuel-burning appliances
  The TAG consensus is to accept the 2024 IRC model code language.

- Table M1803.3 Thickness for single-wall metal pipe connectors
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1803.3 Installation
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1803.3.1 Floor, ceiling and wall penetrations
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1803.3.2 Length
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1803.3.3 Size
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1803.3.4 Clearance
  The TAG consensus is to accept the 2024 IRC model code language.

- Table M1803.3.4 Chimney and vent connector clearances to combustible materials
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1803.3.5 Access
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1803.4 (and subsections) Connection to fireplace flue
  The TAG consensus is to accept the 2024 IRC model code language.

- Section M1804.1 Type of vent required
  The TAG consensus is to accept the 2024 IRC model code language.

- Table M1804.1 Vent selection chart
  The TAG consensus is to accept the 2024 IRC model code language.

## Next Meeting:

**Date:** January 6, 2025
**Time:** 9:00 am to 12:00 pm
**Location:** Hybrid—DLI Isanti Room/Webex

## Meeting Adjourned: 12:00 PM

**Prepared by:** Jesse Soller