



MINUTES MHCC TECHNICAL SYSTEMS SUBCOMMITTEE MEETING

October 25-26, 2016

Holiday Inn - Capital | Washington, DC

(Approved at the April 3, 2019 Technical Systems Subcommittee Teleconference)

MINUTES

MANUFACTURED HOUSING CONSENSUS COMMITTEE (MHCC) TECHNICAL SYSTEMS SUBCOMMITTEE MEETING

October 25-26, 2016

Holiday Inn - Capital | Washington, DC

DAY 1: Tuesday, October 25, 2016

Call to Order

The Manufactured Housing Consensus Committee (MHCC) Technical Systems Subcommittee meeting was held during the October 25-27, 2016 meetings in Washington, DC. Chairman, William Freeborne, called the meeting to order at 3:30 p.m. (Eastern) on Tuesday, October 25, 2016. Kevin Kauffman, Program Manager of the Administering Organization (AO), Home Innovation Research Labs, called the roll and announced that a quorum was present. See [Appendix A](#) for a list of meeting participants.

Approval of the Minutes

Motion to approve the minutes of the September 27, 2016, MHCC Technical Systems Subcommittee meeting.

Maker: Alan Spencer

Second: Timothy O'Leary

The motion carried.

NFPA 70-2014

The MHCC Technical Systems Subcommittee met to revisit the language of the proposed recommendation regarding NFPA 70-2014 submitted to the MHCC since a consensus could not be reached by the full committee. The subcommittee began the discussion by addressing the MHCC's concern regarding the language in § 3280.801 (b) and how it should be modified.

John Weldy suggested that since the 2005 NEC only required arc faults in the bedrooms, the subcommittee should begin there and incrementally increase. Mr. Weldy wanted to keep the arc faults out of the kitchen area with the argument that people typically spend more time around the kitchen area than in the bedroom areas and can observe potential fire hazards and act quickly to avoid danger.

Timothy O'Leary agreed that arc faults in bedrooms was a good idea because consumers could be sleeping during an arcing event. He added that if it is just a matter of cost, why not include a 50% requirement and leave it to the manufacturer and the consumer to decide, allowing flexibility. Many subcommittee members disagreed with the suggestion of a 50% requirement. It was suggested that including arc fault requirements on the general lighting circuits could alleviate the problem. Following a discussion of how to incorporate language requiring arc fault protection on general lighting circuits, the subcommittee took the following actions:

Motion to recommend to the MHCC that it recommend that HUD adopt the NFPA 70-2014 as a reference standard as modified below:

- **Provide an exception to NFPA 70-2014 § 210.52(E)(3) as follows:
Exception: Balconies, decks, or porches with an area of less than 20 sq ft are not required to have an additional receptacle installed.**

- Provide an amendment to NFPA 70-2014 § 550.4(A) & (B) by striking these two sections.
- § 3280.801(b) In addition to the requirements of this part and Part II of Article 550 of the National Electrical Code (NFPA No. 70-~~2014~~2005), the applicable portions of other Articles of the National Electrical Code must be followed for electrical installations in manufactured homes. The use of arc-fault breakers under ~~Articles 210.12(A) and (B), 440.65, and 550.25(A) and (B)~~ of the National Electrical Code, NFPA No. 70-~~2014-2005~~ is not required are only required for general lighting circuits. Smoke alarms installed on a dedicated circuit do not require arc fault protection. Wherever ~~However, if~~ arc-fault breakers are provided, such use must be in accordance with the National Electrical Code, NFPA No. 70-~~2014~~2005. Wherever the requirements of this standard differ from the National Electrical Code, these standards apply.

Maker: Alan Spencer

Second: Debra Blake

The motion carried.

The Technical Systems Subcommittee adjourned at 4:20 p.m. to allow the MHCC to evaluate the subcommittee's recommendation.

DAY 2: Wednesday, October 26, 2016

The Technical Systems Subcommittee reconvened at 9:55 a.m. on Wednesday, October 26, 2016 to continue with their assigned log items.

LOG 113: § 3280.4(b)(1) Incorporation by reference

William Freeborne reviewed the proposed reference standard, ANSI/AHRI Standard 210/240-2008, *Unitary Air-Conditioning & Air-Source Heat Pump Equipment*. Mr. Freeborne said this standard is mainly about testing equipment to obtain maximum efficiency and there was nothing of concern for the MHCC.

Motion to recommend to the MHCC that it approve Log Item 113.

Maker: Timothy O'Leary

Second: Garold Miller

The motion carried.

LOG 114: § 3280.4(i)(20) Incorporation by reference

William Freeborne reviewed the proposed reference standard, ANSI Z21.47-2012/CSA 2.3-2012, *Gas-Fired Central Furnaces*. Mr. Freeborne said that this standard is mostly about how to construct a furnace/fireplace and has one small section on testing and there was nothing of concern for the MHCC.

Alan Spencer asked if there would be any unintended consequences to make it more difficult on the manufacturers. He was informed that the industry is already using this standard.

Motion to recommend to the MHCC that it approve Log Item 114.

Maker: Debra Blake

Second: Timothy O'Leary

The motion carried.

Adjourn

The MHCC Technical Systems Subcommittee meeting was adjourned at 10:05 a.m. (Eastern).

**Appendix A:
Subcommittee Attendees**

Technical Systems			
3280 Subpart F, G, H, I			
	Name	Email	Attendance
Users	Mark Mazz	mark.j.mazz@verizon.net	N
	Garold Miller	garnoldmiller@gmail.com	Y
	James Demitrus	portagepacer@aol.com	Y
	Timothy O'Leary	idahoinspector@frontier.com	Y
Producers			
	Leo Poggione	leo@forahouse.com	N
	Alan Spencer	aspencer@dakotalandhomes.com	Y
General Interest / Public Official			
	Robin Roy	rroy@nextenergy.com.au	Y
	Debra Blake	Debra.Blake@azhousing.gov	Y
	William Freeborne	WFreeborne@aol.com	Y
	Rick Hanger	Rick.Hanger@state.co.us	N

HUD Staff

Pamela Beck Danner, DFO
 Patricia McDuffie
 Jason McJury
 Richard Mendlen
 Teresa Payne
 Demetress Stringfield

AO Staff, Home Innovation Research Labs

Kevin Kauffman
 Nay Shah
 Tanya Akers

MHCC Members

MHCC Committee members in attendance of the October 25-27, 2016 meeting were present

Other Participants

Lois Starkey, Manufactured Housing Institute
 Mark Weiss, Manufactured Housing Association for Regulatory Reform