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), 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 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. 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).
### Technical Systems

**3280 Subpart F, G, H, I**

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<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mark Mazz</td>
<td><a href="mailto:mark.j.mazz@verizon.net">mark.j.mazz@verizon.net</a></td>
<td>N</td>
</tr>
<tr>
<td>Garold Miller</td>
<td><a href="mailto:garnoldmiller@gmail.com">garnoldmiller@gmail.com</a></td>
<td>Y</td>
</tr>
<tr>
<td>James Demitrus</td>
<td><a href="mailto:portagepacer@aol.com">portagepacer@aol.com</a></td>
<td>Y</td>
</tr>
<tr>
<td>Timothy O'Leary</td>
<td><a href="mailto:idahoinspector@frontier.com">idahoinspector@frontier.com</a></td>
<td>Y</td>
</tr>
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**Producers**

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leo Poggione</td>
<td><a href="mailto:leo@forahouse.com">leo@forahouse.com</a></td>
<td>N</td>
</tr>
<tr>
<td>Alan Spencer</td>
<td><a href="mailto:aspencer@dakotalandhomes.com">aspencer@dakotalandhomes.com</a></td>
<td>Y</td>
</tr>
</tbody>
</table>

**General Interest / Public Official**

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robin Roy</td>
<td><a href="mailto:rroy@nextenergy.com.au">rroy@nextenergy.com.au</a></td>
<td>Y</td>
</tr>
<tr>
<td>Debra Blake</td>
<td><a href="mailto:Debra.Blake@azhousing.gov">Debra.Blake@azhousing.gov</a></td>
<td>Y</td>
</tr>
<tr>
<td><strong>William Freeborne</strong></td>
<td><strong><a href="mailto:WFreeborne@aol.com">WFreeborne@aol.com</a></strong></td>
<td>Y</td>
</tr>
<tr>
<td>Rick Hanger</td>
<td><a href="mailto:Rick.Hanger@state.co.us">Rick.Hanger@state.co.us</a></td>
<td>N</td>
</tr>
</tbody>
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### 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