



MINUTES MHCC TECHNICAL SYSTEMS SUBCOMMITTEE MEETING

April 3, 2019

Teleconference

(Approved at the April 30, 2019 Technical Systems Subcommittee Meeting in Washington DC)

MINUTES

MANUFACTURED HOUSING CONSENSUS COMMITTEE (MHCC) TECHNICAL SYSTEMS SUBCOMMITTEE MEETING

April 3, 2019

Teleconference

Call to Order

The Manufactured Housing Consensus Committee (MHCC) Technical Systems Subcommittee meeting was held via teleconference on Wednesday, April 3, 2019 at 1:00 p.m. (EDT). Chairman, Michael Wade, called the meeting to order at 1:05 p.m. Kevin Kauffman, Administering Organization (AO) Home Innovation Research Labs, called the roll and announced that a quorum was present. Teresa Payne, Acting Administrator of the Office of Manufactured Housing Programs and Designated Federal Official (DFO), welcomed the subcommittee members and the public to the teleconference. DFO Payne introduced the HUD staff present at the meeting. Guests were asked to introduce themselves. See [Appendix A](#) for a list of meeting attendees.

Approval of the Minutes

Motion to approve the minutes of the October 25-26, 2016 MHCC Technical Systems Subcommittee meeting.

Maker: Alan Spencer Second: Michael Moglia

The motion carried.

The AO reminded the subcommittee about the task that they were assigned by the MHCC. At the September 2018 MHCC meeting, the Committee made the following motion ***“Refer Frost Free Foundation Issue/Deregulation Comments to the Technical Systems Subcommittee. The Subcommittee should review and consider all of the comments.”*** This subcommittee is to make a recommendation on Frost Free Foundation Issue to the MHCC. DFO Payne reminded the subcommittee that HUD is not actively working on finalizing the draft Interpretative Bulletin (IB) on Frost Free Foundations.

Action Item 9: Frost Free Foundation Issue

Subcommittee Chair Michael Wade summarized the issue with the proposed IB – it puts limits on the industry in terms of acceptable designs that can be used as Frost Free Foundation. The Chair proposed that professional engineers, DAPIAs, members of HUD staff, and SAAs to collectively develop perhaps four to five systems that can be utilized thus giving the industry more options. These developed systems will not be owned by anyone and can be used freely. The intent is for these four to five systems to remain as options and not become the only acceptable systems.

Alan Spencer also noted that the problem with the IB was its specificity. The IB should have been about ideas for frost free foundations rather than specific guidance. The proposed IB equated acceptable engineering practices with ASCE 32; therefore, rejecting other potentially valid designs.

The members reached a consensus on the best approach to move forward and offer a solution to replace the proposed IB and address all comments. The subcommittee decided to meet during the April 30 – May 2 MHCC meeting in Washington DC to review examples of frost protected footing designs and present the proposed

designs to the MHCC. A subcommittee member made the following motion to capture the scope of work for the next subcommittee meeting.

Subcommittee Motion – The Technical Systems Subcommittee requests examples of frost protected footing designs to be submitted by the public for discussion and potential inclusion in the Manufactured Housing Construction and Safety Standard (MHCSS). The goal of the subcommittee is to include no more than five of these alternative design examples/options in the MHCSS. This subcommittee will meet next to discuss the proposed designs at the full MHCC Meeting in April/May 2019 in Washington DC.

Individuals who have volunteered to provide examples of foundation designs for discussion include:

- **Manuel Santana**
- **Alan Spencer**
- **Cameron Tomasbi**

The Deregulatory Comments will be reviewed by the subcommittee after a solution to the frost-free foundation issue is presented and agreed upon by the subcommittee. The subcommittee made the following motion regarding the assigned Deregulatory comments.

Subcommittee Motion – Postpone discussion and resolution of Deregulatory Comments on Frost Free Foundations until Action Item 9 is resolved.

Angelo Wallace answered the question regarding on how the marketplace is dealing with the frost-free foundation issue. The manufacturers are coming up with foundation designs that mitigate the effects of frost heave with their products.

Michael Wade and DFO Payne thanked volunteers and committee members for their time and is looking forward to seeing examples of designs in the next MHCC meeting.

MHCC Technical Systems Subcommittee adjourned at 2:27 p.m. (EDT).

**APPENDIX A:
Subcommittee Attendees**

April 3, 2019

Technical Systems		
	Name	Attendance
Users	Garold Miller	N
	Catherine Yielding	Y
	Kylin Parks	Y
Producers	Michael Wade (Chair)	Y
	Luca Brammer	N
	Alan Spencer	Y
General Interest / Public Official	Michael Moglia	Y
	Robert Parks	Y
	William Colley	Y

HUD Staff

Teresa Payne, DFO
Demetress Stringfield
Dennaire Anderson
Patricia McDuffie
Glorianna Peng
Alan Field
Tommy Daison
Barton Shapiro
Jason McJury
Angelo Wallace
Barry Ahuruonye

Other Participants

Cameron Tomasbi, MHCC member
Joseph Sadler, MHCC member
Devin Leary-Hanebrink, Manufactured Housing Institute (MHI)
Kara Beigay, Manufactured Housing Institute (MHI)
Mark Ezzo, Clayton Homes
Manuel Santana, Cavco Homes
Jeff Legault, Skyline Homes
Mark Weiss, Manufactured Housing Association for Regulatory Reform (MHARR)
Cecil Ayllon, Sedco Pier

AO Staff,

Home Innovation Research Labs

Kevin Kauffman
Nay Shah