

**STRUCTURAL TECHNICAL ADVISORY COMMITTEE
TELECONFERENCE MEETING FROM TALLAHASSEE, FLORIDA**

WEB URL <https://global.gotomeeting.com/join/533378925>

AUDIO: DIAL-IN NUMBER 1 866-899-4679

CONFERENCE CODE: 533-378-925

November 7, 2019

1:00 P.M.

Minutes

STRUCTURAL TAC PRESENT:

Jim Schock, Chairman
Siavash Farvardin for Warner Chang
David Compton
Lundy Clarke for Jamie Gascon
Michael Guerasio
Joe Hetzel

Do Y. Kim
Daniel Lavrich
CW Macomber
Craig Parrino
Steve Strawn

STRUCTURAL TAC NOT PRESENT:

STAFF PRESENT:

Mo Madani
Tom Campbell
Jim Hammers

Justin Vogel
Chris Howell
Joe Bigelow

MEETING FACILITATION:

The meeting was facilitated by Jeff Blair from Facilitated Solutions, LLC. Consultation, Process Design & Facilitation. Information at: facilitatedsolutions.org

Welcome:

Time: 1:00 p.m.

Mr. Blair welcomed members, staff and the public to the teleconference call meeting of the Structural Technical Advisory Committee.

Roll Call:

Mr. Blair performed roll call for the Structural TAC. A quorum was determined with 11 members present.

Agenda:

Commissioner Compton entered a motion to approve the agenda for today's meeting as posted. Mr. Strawn seconded the motion. The motion passed unanimously with a vote of 11 to 0.

Approval of Minutes from September 25, 2019:

Mr. Lavrich entered a motion to approve the minutes from the September 25, 2019 meeting as posted. Mr. Strawn seconded the motion. The motion passed unanimously with a vote of 11 to 0.

To review and provide comments regarding the scope of work of the following research projects:

(1) Experimental Evaluation of Pressure Equalization Factors and Wind Resistance of Vinyl Siding Systems Using a Multi-Chamber Pressure Test Bed

Mr. Madani provided the background of the project and explained the process for acceptance of the scope of work. He advised the TAC members of the requested changes that were submitted prior to the meeting and stated that he agreed with all of the changes excluding the change that the advisory panel would be providing the interim report to the Commission, he stated that will be handled by the TAC.

Dr. Prevatt agreed with Mr. Madani and the interested parties request for changes excluding the interim report and stated he felt this should be with the TAC also.

To review and provide comments regarding the scope of work of the following research projects (cont.):

Public Comment:

Matt Dobson, VSI stated he was pleased with the acceptance of the revision requests and that the changes will be made. He spoke on the changes in the code and how this will affect the study and impact on products.

TAC Comment: none

Mr. Lavrich entered a motion to accept the scope of work with revisions as noted and move forward executing the contract with UF. Mr. Guerasio seconded the motion. The motion passed unanimously with a vote of 11 to 0.

(2) Wind-Driven Rain Tests of Building Envelope Systems up to Hurricane-Strength Wind-Driven Rain Intensity

Mr. Madani provided information on the scope of work and the revisions that were suggested. He stated stakeholders were included in this project.

Dr. Prevatt provided information on specific changes to the scope of work. He also provided the groups of professionals he felt would be best to work with on this project being led by a building envelope consultant who has worked extensively in this area.

Public Comment:

Steve Orlowski commented on minor modifications he would like to see. He stated he would like to strike the first sentence of the second paragraph on the first page and provided an explanation. In addition he asked that the team selection include window wall manufacturers, curtain wall and punch opening professionals.

Dr. Prevatt stated that he did not think this would be feasible since there may not be time to add these people due to the project due dates, but he will discuss with the building envelope consultant to see what they can work out to accommodate this request.

Jason Seals, AAMA spoke in depth on the revised scope of work, adding that cost impact studies need to be completed to come to an accurate conclusion on this study. He stated he would like to see the testing industry included on the project team. Mr. Seals also stated that he felt one homeowner and one condo owner would not be enough to be able to come to a conclusion. He added that the wording “post storm performance study” should be changed and that they need to add back the wording “during the storm” in addition to post storm.

Wind-Driven Rain Tests of Building Envelope Systems up to Hurricane-Strength Wind-Driven Rain Intensity (cont.):

Public Comment (cont.):

Dr. Prevatt stated he did not mean to take out “during the storm” and will correct that. He explained the “post hurricane performance” wording and the content within the study. Dr. Prevatt stated that the testing lab would be added back as it should have been listed. He explained the reasoning behind only having the one owner listings due to time constraints, and felt it would not be of additional benefit for this study. Dr. Prevatt explained what they are looking for in a conclusion for this study.

Mr. Madani provided the changes requested and to be made to the scope.

Dick Wilhelm, AAMA and other interested associations stated he appreciated the support and efforts of the staff and Dr. Prevatt.

TAC Comments:

Mr. Strawn questioned the wording on the envelope system, but noted it was being removed and it was not necessary for anyone to respond.

Mr. Madani stated it will be removed and not made a part of the contract.

Mr. Strawn asked if the public will be allowed to participate in the discussions and when will the project start.

Mr. Madani stated it will begin as soon as possible.

Dr. Prevatt stated that any recommendations of participants should come through Mr. Madani. He said the time frame is very tight and the most meetings that would be likely to occur would be maybe five webinars.

Mr. Lavrich expanded on the agreement of the need for better performing building envelope systems. In addition he stated there are several building managers of multiple condo complexes that would possibly provide additional information that could be used in the study.

Mr. Lavrich entered a motion to accept the scope of work with the revisions as noted and move forward executing the contract with UF. Mr. Strawn seconded the motion. The motion passed unanimously with a vote of 11 to 0.

To review and accept interim draft report for research project titled “Investigation of Optional Enhanced Construction Techniques for the Wind, Flood, and Storm Surge Provisions of the Florida Building Code.”

Mr. Madani provided background detail on the research project and its purpose. He explained that this is an opportunity for the public to build above the required standard.

Dr. Prevatt provided detail on the report and stated that he had three seasoned researchers that will be assisting with this project.

Rebecca Quinn, R.C Quinn Consulting, described in detail her role in the project regarding structures damaged by flooding/storm surge. She advised of the research she will conduct to enhance the requirements for buildings that are located in flood and storm surge locations. Ms. Quinn stated she will also develop options for flood provisions for the Florida Building Code that will include summaries and costs.

TAC Comments/Questions:

Commissioner Schock asked about the concern of the rain fall intensity maps and if she is going to look at that. He also stated Ms. Quinn should use the term code language and not the term legislative language.

Ms. Quinn spoke on the rain fall intensity and her approach with this project. She also stated she would use the term “code change” and not “legislative”.

Ms. Clark inquired about looking at roof loads and address the issues with same.

Dr. Prevatt stated this would fall under the wind side, not on the flood side.

Eric Stafford, T.E. Stafford and Associates, described in detail his part in this research project, including comparison of the wind requirements identified by DBPR, BASF and staff of the Florida Building Code and the current wind requirements. He stated he will complete a comparison for the 2020 Florida Building Code. Mr. Stafford stated he will be providing voluntary options for builders with enhanced construction related to the wind provisions. He said this effort is being completed to offer a techniques to reduce damage to buildings during hurricanes.

TAC Comments/Questions:

Commissioner Schock spoke on SB 710 and how this is going to change construction activity.

Mr. Stafford responded stating he had seen the bill, and he spoke on how he sees this affecting the code if passed.

Ms. Clark asked about steel roof decking and nailing, stating this is allowed in South Florida.

Mr. Stafford stated this study is to enhance construction and is optional, that would need to be kept in mind during this project.

Dr. Prevatt explained the remaining provisions in the project.

Mr. Lavrich entered a motion to accept the interim report with the revision of only using language “code enhancement” and removal of any statement of code plus. Mr. Guerasio seconded the motion. The motion passed unanimously with a vote of 11 to 0.

Final Roll Call:

Mr. Blair performed a final roll call all 11 members were still present on the call.

Adjourn:

Chairman Schock thanked everyone for their participation and adjourned the TAC meeting at 2:13 p.m.