

**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

December 6, 2019

10:00 A.M.

Minutes

STRUCTURAL TAC PRESENT:

Jim Schock, Chairman
Siavash Farvardin for Warner Chang
David Compton
Jamie Gascon
Michael Guerasio

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

STRUCTURAL TAC NOT PRESENT:

Joe Hetzel

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: 10:00 a.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 10 members present.

Agenda:

Mr. Lavrich entered a motion to approve the agenda for today's meeting as posted. Commissioner Compton seconded the motion. The motion passed unanimously with a vote of 10 to 0.

Approval of Minutes from November 7, 2019:

Mr. Strawn entered a motion to approve the minutes from the November 7, 2019 meeting as posted. Commissioner Compton seconded the motion. The motion passed unanimously with a vote of 10 to 0.

To review and accept final 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 the background and purpose of the project for the TAC. He explained the structure of the report.

Dr. Prevatt, UF provided a power point presentation detailing the project actions and background. He stated that Rebecca Quinn, Eric Stafford, IBHS and Peter Vickery would be speaking on specific areas of the report.

Flood/Storm Surge Presentation:

Rebecca Quinn, RC Consulting provided details of the Flood/Storm Surge in the Florida Code and options for enhancing the code. She also provided history of flood provisions in the code 2010 -2020. Ms. Quinn provided in detail her recommendations to the TAC in regards to flood/storm surge.

TAC Comments:

Mr. Gascon asked for further information regarding the change to the definition of substantial improvement and how a builder, home owner, or local jurisdiction would comply with her recommendations.

Ms. Quinn responded with detail of how this would work in the different communities.

Wind Speed Presentation:

Peter Vickery Applied Research Associates provided a detailed report on wind speeds induced by hurricanes in Florida and provisions of ASCE 7. He continued with updates to the hurricane track model with historical hazards. Mr. Vickery provided in detail his recommendations to the TAC regarding enhanced wind speeds.

TAC Comments: None

Optional Enhanced Construction presentation:

Eric Stafford, T.E. Associates, provided a detailed report on design changes including strengthening wind and water intrusion resistance. He stated the changes will encompass the structural and envelope systems and components. Mr. Stafford provided in detail his recommendations to the TAC in regards to optional enhanced construction including the envelope systems.

TAC Comments:

Mr. Strawn asked questions on the compression sealed products and expressed his concerns.

Mr. Stafford responded in detail addressing his questions and concerns.

Commissioner Schock inquired as to where we would go with this information and the intent of where this report will be sent next.

Mr. Madani stated this report will be a part of the enhanced building and will not be sent to the Commission, but will be made available and no further steps when the project is complete.

Commissioner Schock stated this project would be good for a two part addendum, one for jurisdictions, and the other would be items owners could request from the builders.

Mr. Blair suggested accepting the report and make a recommendation to the Hurricane Research Advisory Committee for subsequent discussion.

TAC Comments (cont.):

Mr. Macomber inquired about the removal of information and not adding further clarification on page 86 in the report. He also requested adding some information on page 67 regarding R703.4. Mr. Macomber inquired further on roof sheathing on page 85 pertaining to OSB. He stated that on water resistance barriers should have the exception added back on page 89.

Mr. Stafford stated this information for minimum requirements are already in the code. He then addressed page 67 verbiage. Mr. Stafford stated that OSB is not being banned; keeping in mind this is an enhancement build which is above what the current code requires. He then responded to the information on page 89.

Commissioner Schock asked if this could be accepted as the final report, or will there be a contingent motion pending completion.

Mr. Blair responded to Commissioner Schock with a possible motion.

Dr. Prevatt, UF provided detail of the remaining activities that remain to be completed for this report.

Public Comments:

Lynn Miller asked a question of Mr. Stafford about the 20% requirement on page 80. He also echoed Mr. Strawn's concerns.

Mr. Stafford stated that error has been corrected.

Bonnie Manley, AISI asked for clarification about whether this applied to residential applications only. She asked detailed questions on metal panel testing.

Mr. Stafford responded that the project is all applications but clearly relevant to residential. He then provided expanded information on the background of testing on metal panel testing.

Brad Fevold inquired if this speaks to single family dwellings. He then asked about consideration of other than 20% of design pressure and offered possible language.

Mr. Stafford responded stating this is speaking to the single dwellings. He then stated that setting a minimum and not have a set plan might be a better plan.

Motion:

Mr. Lavrich entered a motion to accept the draft final report for the research project, titled: *“Investigation of Optional Enhanced Construction Techniques for the Wind, Flood, and Storm Surge Provisions of the Florida Building Code,”* contingent on DBPR staff working with the PIs to finalize all work, incorporating staff comments and reviewing Structural TAC comments, and final approval of the report DBPR, pursuant to the scope of work in the contract. Commissioner Compton seconded the motion. The motion passed unanimously 10 to 0.

Final Roll Call:

Mr. Blair performed a final roll call 10 members were still present on the call.

Adjourn:

Chairman Schock thanked everyone for their participation and adjourned the TAC meeting at 11:58 p.m.