MECHANICAL TECHNICAL ADVISORY COMMITTEE
EMBASSY SUITES BY HILTON ORLANDO NORTH
225 SHORECREST DRIVE
ALTAMONTE SPRINGS, FLORIDA  32701
March 21, 2019
8:00 A.M.

Minutes

MECHANICAL TAC PRESENT:
Oscar Calleja
Joseph Crum
Elizabeth Goll
Gary Griffin

MECHANICAL TAC NOT PRESENT
Larry Banks

STAFF PRESENT:
Mo Madani
Justin Vogel
Jim Hammers
Marlita Peters

MEETING FACILITATION:
The meeting was facilitated by Jeff Blair from the FCRC Consensus Center at Florida State University. Information at: http://consensus.fsu.edu/
Welcome:

Time:  8:00 am

Mr. Blair welcomed everyone to the meeting of the Mechanical TAC.

Roll Call:

Mr. Mr. Blair performed roll call for the Mechanical TAC. A quorum was determined with 7 members present at roll call. Commissioner John present (To be appointed)

Agenda Approval:

Mr. Blair asked for a motion to approve the agenda as posted if there were no changes.

Mr. Pittman entered a motion to approve the agenda for today’s meeting as posted. Ms. Goll seconded the motion. The motion passed unanimously with a vote of 7 to 0.

Approval of the Minutes from July 23, 2018:

Mr. Blair asked for a motion to approve the minutes as posted if there were no changes.

Mr. Pittman entered a motion to approve the minutes from the July 23, 3018 meeting as posted. Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0.

To accept public input and to provide recommendations on the proposed code changes for the update to the 7th Edition (2020) Florida Building code and local technical amendments, as applicable:

Mr. Blair provided a brief overview of the Code review process for this meeting. Mr. Blair provided the voting process and the standing motion to be used on each modification.

Standing Motion:

Move to recommend approval of the proposed modifications by the Technical Advisory Committee (TAC) based on the following findings [Section 553.73 (9)(a) and (9)(b), F.S.]:

A. The modification is needed in order to accommodate the specific needs of this state; and

B. The modification has a reasonable and substantial connection to the health, safety, and welfare of the general public; and
Standing Motion (cont.):

C. The modification strengthens or improves the Florida Building Code, or in the case of innovation or new technology, will provide equivalent or better products or methods or systems of construction; and

D. The modification does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities; and

E. The modification does not degrade the effectiveness of the Florida Building Code; and

F. The modification has the following fiscal impact:

   1. The fiscal impact of enforcement imposed upon local government is as indicated by the proponent.

   2. The fiscal impact of compliance imposed upon building and property owners is as indicated by the proponent.

   3. The fiscal impact of compliance imposed upon industry is as indicated by the proponent.

   4. The fiscal impact of compliance imposed upon small business is as indicated by the proponent (no impact or as specified by the proponent).

G. The modification’s benefits noted with regard to fiscal impact and efficacy outweigh the costs imposed.

H. The modification does not diminish requirements related to wind resistance or prevention of water intrusion contained in the Code or its referenced standards and criteria.

Mr. Crum entered a motion to accept the standing motion. Mr. Pittman seconded the motion. The motion passed unanimously with a vote of 7 to 0.

Mr. Madani provided an overview of the tracking and code charts for the TAC members and the process being used for Code modifications.
SubCode: Building

9 – Fire Protection Systems

Bryan Holland, NEMA provided detail on the modification and requested NAR.

Standing motion, no second – NAR.

7383

10 – Means of Egress

8347

Ann Russo, BOAF and Peter Valenti provided detail on the modification.

Mr. Crum seconded the motion. The motion failed with a vote of 1 in favor and 6 against, NAR.

31-Special Construction

7365

Bryan Holland, NEMA provided detail on the modification.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

SubCode: Existing Building

4 – Prescriptive Compliance Method

7355

Bryan Holland, NEMA provided detail on the modification and requested NAR.

Standing motion, no second – NAR.

7357

Bryan Holland, NEMA provided detail on the modification and requested NAR.

Standing motion, no second – NAR.
6-Repairs

8388

Ann Russo, BOAF and Joe Crum provided detail on the modification.

In Favor:
Building officials

Mr. Griffin seconded the motion. The motion failed with a vote of 3 in favor and 4 against, NAR.

8 – Repairs

7358

Bryan Holland, NEMA provided detail on the modification.

Standing motion, no second – NAR.

SubCode: Mechanical
2-Definitions

7273

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

7274

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.
James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion failed with a vote of 0 in favor and 7 against, NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.
Amanda Hickman, AMCA provided detail on the modification.

**In favor:**
FHBA and Building Officials

Commissioner Calleja seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

**3-General Regulations**

Brad Ketner proponent was not present.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.
James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

**4-Ventilation**

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion failed with a vote of 0 in favor and 7 against, NAR.
James Bickford stated that the modifications were drafted using the language from ICC monograph.

In Favor:
Bryan Holland, NEMA and Building Officials

Commissioner Calleja seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

In Favor:
Bryan Holland, NEMA and Building Officials

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

Mike Moore proponent was not present.

Standing motion, no second – NAR.

Mike Moore proponent was not present.

Mr. Crum seconded the motion. The motion failed with a vote of 4 in favor and 3 against, NAR.
Joseph Lstiburek proponent was not present, Joe Belcher, FHBA provided detail on the modification and stated he supports.

**In Favor:**
Arlene Stewart

Commissioner Calleja seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

**5-Exhaust Systems**

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion failed with a vote of 3 in favor and 4 against, NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Quintela seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.
James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion passed with a vote of 6 to 1 as submitted.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.
James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

6-Duct Systems

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion failed with a vote of 2 in favor to 5 against, NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

In Favor:
Bryan Holland, NEMA and Building Officials

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.
James Bickford stated that the modifications were drafted using the language from ICC monograph.

**In Favor:**
John Woestman

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted with comment for definition.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.
James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion passed with a vote of 6 to 1 as submitted.

Amanda Hickman, AMCA provided detail on the modification.

**In Favor:**
FHBA

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

John Woestman provided detail on the modification.

Standing motion, no second – NAR.

Joseph Lstiburek proponent was not present, Joe Belcher FHBA provided detail on the modification and stated he was in support.

**In favor:**
Arlene Stewart

Mr. Quintela seconded the motion. The motion passed with a vote of 6 to 1 as submitted.
Joseph Lstiburek proponent was not present, Joe Belcher FHBA provided detail on the modification and stated he was in support.

**In favor:**
Arlene Stewart

Mr. Crum seconded the motion. The motion failed with a vote of 4 in favor and 3 against, NAR.

Joseph Lstiburek proponent was not present, Joe Belcher FHBA provided detail on the modification and stated he was in support.

**In favor:**
Arlene Stewart

Commissioner Calleja seconded the motion. The motion passed with a vote of 5 to 2 as submitted.

**8-Chimneys and Vents**

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

**9-Specific Appliances, Fireplaces and Solid Fuel-burning Equipment**

Amanda Hickman, AMCA provided detail on the modification.

**In Favor:**
Bryan Holland, NEMA

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.
James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion and subsequently withdrew the second. Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion failed with a vote of 1 in favor to 6 against, NAR.
James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

12-Hydronic Piping

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.
James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Standing motion, no second – NAR.

14-Solar Systems

James Bickford stated that the modifications were drafted using the language from ICC monograph.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.
15-Referenced Standards

7113

Michael Steele proponent was not present.

Standing motion, no second – NAR

7842

Amanda Hickman, AMCA provided detail on the modification.

In Favor:

FHBA

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

7976

Amanda Hickman, AMCA provided detail on the modification.

In Favor:

FHBA and Building Officials

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

15-Minute Break

SubCode: Residential

2-Definitions

7361

Bryan Holland, NEMA requested NAR

Standing motion, no second – NAR
SubCode: Residential
3-Building Planning

7339
Bryan Holland, NEMA requested NAR
Standing motion, no second – NAR

7350
Bryan Holland, NEMA provided detail on the modification.

In Favor:
FHBA and Building Officials

Mr. Hernandez seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

7645
John Hall, Miami-Dade provided detail on the modification.

In Favor:
Bryan Holland, NEMA

Opposed:
FHBA, Arlene Stewart and Mike Silvers, FRSA

Mr. Quintela seconded the motion. The motion failed with a vote of 1 in favor and 6 against, NAR.

4 – Foundations

7655
Ann Russo, BOAF and Joe Crum provided detail on the modification.

Commissioner Calleja seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.
14 – Heating and Cooling Equipment and Appliances

8360

Oscar Calleja provided detail on the modification.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

15-Exhaust Systems

8152

Mike Moore proponent was not present.

Commissioner Calleja seconded the motion and subsequently withdrew the second – NAR.

8205

Mike Moore proponent was not present.

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

8362

Oscar Calleja provided detail on the modification.

In Favor:
FHBA and Building Officials

Mr. Hernandez seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.
Oscar Calleja provided detail on the modification.

**In Favor:**
FHBA, Mechanical Industry Representatives and Building Officials

Mr. Hernandez seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

**16-Duct Systems**

7800

Mo Madani provided detail on the modification based on DS 2016-100.

Commissioner Calleja seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

**2712-Reference Standards**

7975

Amanda Hickman, AMCA provided detail on the modification.

**In Favor:**
FHBA

Mr. Crum seconded the motion. The motion passed unanimously with a vote of 7 to 0 as submitted.

**Local Amendments:**

- Pinellas County – Building Mechanical Chapter 3 (307.2.1) NAR
- Pinellas County – Building Mechanical Chapter 9 (908.1) NAR

**Public Comments:** None

**TAC Comments:** None
Adjourn:

Commissioner Calleja thanked everyone for their participation and adjourned the meeting at 10:15 a.m.