

## MEMORANDUM

Dear Technical Committee Members:

After the circulation of votes, the final ballot results are as follows on the attached ballot matrix:

- 28 Members Eligible to Vote
- 5 Ballots were not received for Technical Merit by the Final Closing Date of September 19, 2017
- 5 Ballots were not received for Emergency Nature by the Final Closing Date of September 19, 2017

### **Technical Merit**

- 5 Affirmative
- 18 Negative
- 0 Abstain

According to Section 5-4 of the Regulations Governing Committee Projects, the final results of the TIA # 007-15 ballot did not achieve the necessary three-fourths majority for affirmative vote (18) on Technical Merit (28 eligible - 5 not returned - 0 abstain = 23 x 75% = 17.25 or **18**).

### **Emergency Nature**

- 2 Affirmative
- 20 Negative
- 1 Abstain

According to Section 5-4 of the Regulations Governing Committee Projects, the final results of the TIA # 007-15 ballot did not achieve the necessary three-fourths majority for affirmative vote (17) on Emergency Nature (28 eligible - 5 not returned - 1 abstain = 22 x 75% = 16.5 or **17**).

Please feel free to contact me by phone at (909) 230-5535 or by email at [enrique.gonzalez@iapmo.org](mailto:enrique.gonzalez@iapmo.org), if you have questions.

Regards,

Enrique Gonzalez  
Staff Liaison  
The IAPMO Group  
4755 E. Philadelphia St.  
Ontario, California 91761  
Office: 909-230-5535  
Fax: 909-472-4246

**2015 Uniform Mechanical Code  
TIA # 007-15  
Final Ballot Results**

<b>Ballot Name:</b>	TECHNICAL MERIT UMC TIA # 007-15
<b>Ballot Status:</b>	Ballot has closed.
<b>Members Eligible to Vote:</b>	28
<b>Vote Summary</b>	
<b>Option</b>	<b>Count</b>
<b>Affirmative</b>	5
<b>Negative</b>	18
<b>Abstain</b>	0
<b>Did not vote</b>	5
<b>Voter Name</b>	<b>Vote</b>
Wiseman, Bob	Affirmative
Koerber, Ralph	Affirmative
Trafton, April	Affirmative
Delaquila, David	Affirmative
Carroll, Marguerite	Affirmative
Lovell, Vickie	Negative w/ comment
Mann, David	Negative w/ comment
Adler, Bob	Negative w/ comment
Feehan, Pennie	Negative w/ comment
Kreitenberg, Harvey	Negative w/ comment
Chang, Ian	Negative w/ comment
Smith, Christopher	Negative w/ comment
Surrena, Donald	Negative w/ comment
Dias, David	Negative w/ comment
Berger, Donald	Negative w/ comment
Ribbs, Phil	Negative w/ comment
Cudahy, Michael	Negative w/ comment
Scarano, Anthony	Negative w/ comment
Sewell, Robert	Negative w/ comment
Young, Randy	Negative w/ comment
Howard, III, Eli	Negative w/ comment
Nielsen, John	Negative w/ comment
Afonso, Mike	Negative w/ comment
Van Rite, Chris	Did not vote
Garcia, Roel	Did not vote
Younan, Osama	Did not vote
Taylor, Don	Did not vote
Pavesic, James	Did not vote

<b>Ballot Name:</b>	EMERGENCY NATURE UMC TIA # 007-15
<b>Ballot Status:</b>	Ballot has closed.
<b>Members Eligible to Vote:</b>	28
<b>Vote Summary</b>	
<b>Option</b>	<b>Count</b>
<b>Affirmative</b>	2
<b>Negative</b>	20
<b>Abstain</b>	1
<b>Did not vote</b>	5
<b>Voter Name</b>	<b>Vote</b>
Wiseman, Bob	Affirmative
Trafton, April	Affirmative
Lovell, Vickie	Negative w/ comment
Koerber, Ralph	Negative w/ comment
Mann, David	Negative w/ comment
Adler, Bob	Negative w/ comment
Feehan, Pennie	Negative w/ comment
Kreitenberg, Harvey	Negative w/ comment
Chang, Ian	Negative w/ comment
Smith, Christopher	Negative w/ comment
Surrena, Donald	Negative w/ comment
Dias, David	Negative w/ comment
Berger, Donald	Negative w/ comment
Ribbs, Phil	Negative w/ comment
Cudahy, Michael	Negative w/ comment
Scarano, Anthony	Negative w/ comment
Sewell, Robert	Negative w/ comment
Young, Randy	Negative w/ comment
Howard, III, Eli	Negative w/ comment
Nielsen, John	Negative w/ comment
Afonso, Mike	Negative w/ comment
Carroll, Marguerite	Negative w/ comment
Delaquila, David	Abstain w/ comment
Van Rite, Chris	Did not vote
Garcia, Roel	Did not vote
Younan, Osama	Did not vote
Taylor, Don	Did not vote
Pavesic, James	Did not vote



Air Conditioning Contractors of America

**UNIFORM MECHANICAL CODE TIA FORM - 2015**

Reference Code Section: 1105.1 Human Comfort

Submitter Name: David C. Bixby  
Company: Air Conditioning Contractors of America (ACCA)  
Address: 48 Kenlauren Avenue, Greenville, SC 29607  
Phone number: (301) 525-5503

**Proposed language for TIA:**

**1105.0 General Requirements.**

**1105.1 Human Comfort.** Cooling systems used for human comfort shall be in accordance with the return-air and outside-air provisions for furnaces in Section 904.7 and Section 904.8. Cooling equipment used for human comfort in dwelling units shall be selected in accordance with ACCA Manual S to satisfy the calculated loads determined in accordance with ~~the reference standards in Chapter 17~~ ACCA Manual J or other approved methods. Refrigerants used for human comfort shall be in accordance with Section 1104.6.

**Substantiation:**

**Technical Merit:** The 2015 edition of the UMC references ACCA Manual S (Residential Equipment Selection) and ACCA Manual J (Residential Load Calculation) in Appendix E, which is written in non-mandatory unenforceable language. Also, Manual S does not even appear in Table 1701.1. Recently, the 2014 edition of ACCA Manual S and the 2016 edition of Manual J were updated to include a Normative code-enforceable section. This means that ACCA Manuals S and J can be easily used by code officials for enforcement, and thus both Manuals need to be included in a mandatory section of the code and both referenced in Table 1701.1. The most applicable requirement to mandate Manuals S and J is under 1105.1, Human Comfort. ACCA Manual S and Manual J are ANSI standards and meet the requirements for a mandatory reference standards in accordance with Section 3-3.7.1 of IAPMO's Regulations Governing Projects.

**Emergency nature:** The emergency nature of this proposed TIA is supported by Section 5-2(a) "*The document contains an error or an omission that was overlooked during a regular revision process.*" Manuals S and J are not mandatory requirements in the 2015 UMC, and are only mentioned in non-mandatory Appendix E. Moreover, Manual S is not even in Table 1701.1. The use and enforcement of Manual S as mandated by the code is critical to determine the design, sizing and selection of heating and cooling equipment, plus the mandated use of Manual J is critical for calculating the cooling/heating loads to determine duct sizing and equipment selection. Without mandating Manuals S and J, the safety and performance of the HVAC system can be adversely affected and can potentially impact the health and safety of the occupants.

I hereby grant IAPMO all and full rights in copyright, in this proposal, and I understand that I acquire no rights in any publication of IAPMO in which this proposal appears in this or another similar or analogous form.

Submitter signature (required): David C. Bixby Date: 31 July 2017