

## MEMORANDUM

**TO:** All Interested Parties  
**FROM:** Enrique Gonzalez, Staff Liaison  
**DATE:** August 22, 2017  
**SUBJECT:** Proposed TIA (Log No. 007-15) to UNIFORM MECHANICAL CODE, Section 1105.1.

In accordance with the IAPMO Regulations Governing Committee Projects, the attached proposed Tentative Interim Amendment (TIA) to the 2015 edition of the UNIFORM MECHANICAL CODE is being submitted for public comment. The TIA (Log No. 007-15) is on UMC, Section 1105.1.

We invite all interested parties to review the proposed TIA. If you wish to submit a comment in regards to this TIA, fill out the [TIA Comment Form](#). Email the completed form to [enrique.gonzalez@iapmo.org](mailto:enrique.gonzalez@iapmo.org). The closing date for submitting comment forms for this TIA is Tuesday, September 5, 2017.

Thank you for your time and interest in the development of the Uniform Mechanical Code.

In accordance with the IAPMO [Regulations Governing Committee Projects](#) this, a proposed TIA which has been submitted for processing pursuant to 5-1 of the Regulations, will be automatically docketed as an appeal on the agenda of the IAPMO Standards Council. Any party may advocate their position before the Council. Please note that most Council meetings are held via teleconference.

Parties wishing to address the Council shall notify the Council Secretary no later than 48 hours prior to the Council meeting. Although not required, parties wishing to advocate a position are encouraged, to the extent practicable, to file written submissions in general conformance with sections 1-6.3 and 1-6.4 of the Regulations in advance of the meeting at which action will be considered.

When an automatically docketed appeal has not been pursued by any party, the Council will not consider the matter as an appeal.

This TIA will be on the Council agenda schedule – date to be determined.

# FORM FOR TIA COMMENT ON IAPMO UPC/UMC COMMITTEE DOCUMENT

**NOTE: All comments MUST be received by 5:00 PM PST on Tuesday, September 5, 2017.**

For further information on the standards-making process, please contact  
Codes and Standards Administration at 909-472-4110

For technical assistance, please call IAPMO at 909-230-5535

**FOR OFFICE USE ONLY**

RESP # : \_\_\_\_\_

DATE REC'D: \_\_\_\_\_

Date: \_\_\_\_\_ Name: \_\_\_\_\_ Telephone #: \_\_\_\_\_

Company: \_\_\_\_\_

Street Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Please Indicate Organization Represented (if any): \_\_\_\_\_

1. a) IAPMO Document Title: Uniform Mechanical Code Document Year: 2015

b) Section/Paragraph: Section 1105.1

c) Comment on TIA: UMC 006-15

2. Comment Recommends (check one):  AGREE  DISAGREE

3. Substantiation for Comment:

Signature (**Required**): \_\_\_\_\_

Please use separate form for each comment.

**INSTRUCTIONS FOR SUBMITTING COMMENTS**  
**– PLEASE READ CAREFULLY –**

1. Complete form digitally by filling in each item described.
2. Check the appropriate box to indicate whether this comment recommends agreeing or disagreeing with the proposed TIA.
3. In the space title “Substantiation for Comment”, state the reason for your comment.
4. Sign the comment. (Required)

**NOTE:** The IAPMO Regulations Governing Committee Projects in Section 5-4(c): All public comments, ballots, and comments on ballot on the proposed TIA shall be summarized in a staff report and forwarded to the Council for action in accordance with Section 5-5.



## 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 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 J (Residential Load Calculation) under Table 1701.1. However, Manual J is not a requirement in the mandatory body of the code, as it is only referenced in parts of Appendix E, Sustainable Practices, in non-mandatory language. Recently, the 2016 edition of ACCA Manual J was updated to include a Normative code-enforceable section. Since this section can be used by code officials to enforce Manual J, it deserves to be included in a mandatory section of the code. The most applicable requirement to include this reference is under 1105.1, Human Comfort. ACCA Manual J is an ANSI standard and meets the requirements for a mandatory reference standard in accordance with Section 3-3.7.1 of IAPMO's Regulations Governing Committee 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.*" Manual J is not a mandatory requirement in the 2015 UMC, but is mentioned in the non-mandatory Appendix E. The use and enforcement of Manual J in the body of the code is critical to calculate the cooling/heating loads in order to determine duct sizing and equipment selection. Without Manual 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

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