

MEMORANDUM

TO: All Interested Parties
FROM: Enrique Gonzalez, Staff Liaison
DATE: January 11, 2017
SUBJECT: Proposed TIA (Log No. 004-15) to UNIFORM MECHANICAL CODE, Section 505.1.

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. 004-15) is on UMC, Section 505.1.

We invite all interested parties to review the proposed TIA and to respond by filling out the attached comment form. You may fax in the completed form to Codes Department, 909-472-4246. **The final closing date for receiving comment forms for this TIA is February 3, 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 Friday, February 3, 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: _____

Please Print or Type using Black Ink

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 505.1

c) **Comment on TIA:** UMC 004-15

2. **Comment Recommends** (check one): New Text Revised Text Deleted Text

3. **Comment** (Include proposed new or revised wording, or identification of wording to be deleted):
[Note: Proposed text should be in legislative format: i.e., use underscore to denote wording to be inserted (inserted wording) and strike-through to denote wording to be deleted (~~deleted wording~~).
PLEASE TYPE OR PRINT LEGIBLY IN BLACK INK.]

4. **Statement of Problem and Substantiation for Comment:** [Note: State the problem that will be resolved by your recommendations; give the specific reason for your proposal including copies of tests, research papers, etc. If more than 200 words, it may be abstracted for publication.]

5. **This comment is original material.** [Note: Original material is considered to be the submitter's own idea based on or as a result of his/her own experience, thought, or research and, to the best of his/her knowledge, is not copied from another source.]

This comment is not original material, its source (if known) is as follows: _____

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 is used.

I do not now hold and I do not intend to hold any patent, the use of which would be required for compliance with this proposal.

Signature (**Required**): _____

Please use separate form for each comment.

INSTRUCTIONS FOR SUBMITTING COMMENTS
– PLEASE READ CAREFULLY –

1. Type or print in BLACK ink.
2. Indicate the title of the document and the document year. In addition, indicate the specific section or paragraph and the Item number shown in the Report on Proposals (ROP) that the comment applies to.
3. Check the appropriate box to indicate whether this comment recommends adding new text, revising proposed text, or deleting proposed text.
4. In the space identified as “Comment”, indicate the exact wording you recommend as new or to revise proposed text, or the text you recommend be deleted.
5. In the space title “Statement of Problem and Substantiation for Comment”, state the problem which will be resolved by your recommendation and give the specific reason for your comment. Include copies of test results, research papers, fire experience, or other materials that substantiate your recommendation. [See note below, item (f).]
6. Check the appropriate box to indicate whether or not this comment is original material, and if it is not, indicate the source of the material.
7. Sign the comment. (Required)

If supplementary material (photographs, diagrams, reports, etc.) is included, you may be required to submit sufficient copies for all members and alternates of the technical committee. The technical committee is authorized to abstract the “Statement of Problem and Substantiation for Comment” if it exceeds 200 words for publication in the Report on Comments.

NOTE: The IAPMO Regulations Governing Committee Projects in Paragraph 4.4 state: Each comment shall be submitted to the Council Secretary and shall include: (a) identification of the submitter and his or her affiliation (i.e., technical committee, organization, company), where appropriate; (b) identification of the document, edition of the document, and paragraph of the document to which the proposal is directed; (c) the proposed text of the proposal, including the wording to be added, revised (and how revised), or deleted; (d) a statement of the problem and substantiation for proposal; (e) the signature of the submitter; and, (f) two copies of any document(s) (other than an IAPMO document) being proposed as a reference standard or publication (see 3-3.7).

UNIFORM MECHANICAL CODE TIA FORM - 2015

Reference Code Section: 505.1

Submitter Name: Reinhard Hanselka, PhD, REA
Company: Menlo Park Fire Protection District
Address: PO Box 9066, Panama City Beach, FL 32417
Phone number: 408-221-0596

Proposed language for TIA: Revise Section 505.1 to read as follows:

505.1 General. A mechanical ventilation or exhaust system shall be installed to control, capture, and remove emissions generated from product use or handling where required in accordance with the building code or fire code and where such emissions result in a hazard to life or property. The design of the system shall be such that the emissions are confined to the area in which they are generated by air currents, hoods, or enclosures and shall be exhausted by a duct system to a safe location or treated by removing contaminants. Ducts conveying explosives or flammable vapors, fumes, or dusts shall extend directly to the exterior of the building without entering other spaces and shall not extend into or through ducts and plenums.

Ducts containing hazardous emissions from materials or processes posing a physical or health hazard of any kind shall not be interrupted by any device, obstruction, damper or wall and shall continue to the building exterior, discharging at an approved location.

Exception: Ducts conveying vapor or fumes having flammable constituents less than 25 percent of their Lower Flammability Limit (LFL) shall be permitted to pass through other spaces.

Substantiation:

Technical Merit:

If a fire or hazmat emergency occurs within an occupancy served by an exhausted enclosure or fume hood, it is imperative that the situation be mitigated with a continuous exhaust system that captures the physical or health hazard and directs the health hazard or smoke, unobstructed to an approved location outside the occupancy. Any device or obstruction must be avoided.

Emergency nature:

The removal of physical, health hazard fumes or smoke must be removed from the area served with no obstruction. Having a damper or obstruction would contain the emission within the room, occupancy or building. The uncontrolled evolution of these hazardous emissions would pose an immediate life safety situation within the room, occupancy or building.

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): *Reinhard Hanselka PhD REA* Date: December 28, 2016
Mail to: Codes Department IAPMO 4755 E. Philadelphia Street, Ontario, CA 91761-2816
FAX: 909-472-4246