

Subject 2442

December 15, 2017

SUMMARY OF TOPICS

The following topics for the Standard for Wall- and Ceiling-Mounts and Accessories, UL 2442, are being recirculated:

2. Additional requirements to address products that support audio/video equipment attached to structures.

COMMENTS DUE: January 15, 2018

For your convenience in review, proposed additions to the previously proposed requirements dated 2017-03-17 are shown underlined and proposed deletions are shown ~~lined-out~~.

2. Additional requirements to address products that support audio/video equipment attached to structures.

RATIONALE

Responses to comments have been posted within the 2442 Proposal Review Work Area dated 2017-03-17.

Proposal submitted by: Dan Gutierrez, UL LLC

PROPOSAL

~~7B Polymeric Load Supporting Parts~~

~~7B.1 A polymeric part shall not be used as the only attachment method for securing the weight of the audio/video equipment to the mounting system.~~

~~7B.2 A polymeric part may be used as a bushing, bearing, spacer, or other part provided that when removed from the product the product will not release the weight of the audio/video equipment as specified in Mounting Securement Test, Section 63. The part does not need to be removed for the tests specified in Section 63 if by inspection it can be determined that the polymeric part is not a required part to support the weight load.~~

7D Other Spaces Used for Environmental Air (Plenums)

7D.1 A support system that extends above a suspended ceiling that is intended for use in "Other spaces used for environmental air (Plenums)" shall comply with the following:

a) ~~The portion of the support system that extends above the plane of the ceiling shall be metal or shall be enclosed within a metal enclosure.~~

1) ~~A metal enclosure provided with metal access panels shall have the access panels secured by fasteners that keep the panel flush to the body of the enclosure without allowing gaps.~~

2) ~~A metal enclosure provided with knockouts for connection of conduit fittings or communication and control cables shall comply with Section 49A, Knockouts.~~

3) ~~The metal enclosure shall have no openings above the plane of the ceiling.~~

Exception: The enclosure may be provided with two openings for conduit fittings, one for power and when provided, one for communication when shipped from the factory.

4) ~~A metal enclosure may have provision for installation of one or more trade-size metal outlet boxes secured to the enclosure such that when installed there are no openings between the outlet box and the system enclosure.~~

b) ~~A polymeric enclosure or part of the support system that is located above the suspended ceiling and is located outside a metal enclosure shall comply with the Standard for Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces, UL 2043.~~

a) Enclosure systems intended to be installed in air-handling spaces shall be constructed of metal or constructed of non-metallic material that complies with the requirements in the Standard for Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces, UL 2043.

Note 1: The space over a hung ceiling used for environmental air-handling purposes is an example of air handling spaces to which this section applies. 300.22 (C) of National Electrical Code, ANSI/NFPA 70, describes these spaces as "other spaces used for environmental air (plenums)", or "spaces not specifically fabricated for environmental air-handling purposes".

Note 2: Products evaluated in accordance with these requirements are considered to comply with the fire retardant and low smoke producing requirements of Article 300 of National Electrical Code, ANSI/NFPA 70, Chapter 4 of the Standard for the Installation of Air-Conditioning and Ventilating Systems, NFPA 90A, Article 602 of the International Mechanical Code, and Article 602 of the Uniform Mechanical Code.

b) Enclosure systems intended for installation in air-handling spaces shall limit the amount of smoke that may enter the space in the event of a fire in any installed equipment. Openings in sections of the enclosure that separate installed equipment from the air-handling spaces shall be limited to small mounting holes, narrow slots associated with unused/unpunched knockouts, and the like. An example of a construction that complies with this requirement is as follows:

Openings in the enclosure that are not closed during the assembly and comply with the following:

1) The largest dimension of an opening shall not be more than 6.4 mm (1/4 in) and the smallest dimension shall not be more than 1.6 mm (1/16 in);

2) There shall be a maximum of five openings in any one side or end of the enclosure and the total area of all openings shall not be more than 1.3 cm² (0.2 in²); and

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