

Subject 6A

July 13, 2018

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Electrical Rigid Metal Conduit – Aluminum, Red Brass, and Stainless Steel, UL 6A, are being proposed for preliminary review and comment only:

- 1. For Preliminary Review Only: Annex A Normative References Update***
- 2. For Preliminary Review Only: Removal Reference to the Term "Mandrel"***
- 3. For Preliminary Review Only: Removal of Reference to Mandrel and Clarification of the Radius Requirements for Elbows***
- 4. For Preliminary Review Only: Removal of Chamfer Angle and Chamfer Diameter Requirements for Couplings***

COMMENTS DUE: August 13, 2018

This proposal is for review and comment only (no ballot at this time). Please note that comments on a preliminary review document will not receive a response from the proposal author through CSDS. Instead, the proposal author will be asked to review the comments and adjust the proposals and/or supporting rationale as the author determines to be appropriate. The preliminary review process is an informal mechanism that provides authors with the opportunity to refine their proposals before they advance to the next stage in UL's standards development process.

In some cases, the author of the proposals may choose to discontinue them. In this case, the author need not do anything after preliminary review has ended. Normally, the next step in the process is the more formal STP ballot and stakeholder review process. Only comments posted during the STP ballot and stakeholder review process will be provided with a response in CSDS.

If you are interested in applying for STP 6 membership or are aware of potential candidates for this STP, please contact the STP Project Manager, Joshua.Johnson@ul.com.

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. For Preliminary Review Only: Annex A Normative References Update

RATIONALE

Proposal submitted by: David Gerstetter, Underwriters Laboratory, Inc

The normative references in Annex A, for installation codes in particular, require updating in order to support other standard proposals being submitted, e.g. removal of bend radius.

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PROPOSAL

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Annex A (normative)

A1 Normative references

(See Clause 2.1)

Reference item no.	Clause where referenced	United States	Canada	Mexico
1	1.1	NFPA 70-2008 <u>2017</u> , <i>National Electrical Code</i>	CSA C22.1-06 <u>15</u> , <i>Canadian Electrical Code, Part 1</i>	NOM-001-SEDE, <i>Standard for Electrical Installations</i>
2	1.3	UL 6 , <i>Electrical Rigid Metal Conduit – Steel</i>	CAN/CSA C22.2 No. 45.1-07, <i>Electrical Rigid Metal Conduit – Steel</i>	NMX-J-534-ANCE-2005 , <i>Electrical Rigid Metal Conduit and Fittings to Protect Electrical Conductors</i>
3	5.1.1	ASTM B 43 , <i>Specification for Seamless Red Brass Pipe, Standard Sizes</i>	ASTM B 43, <i>Specification for Seamless Red Brass Pipe, Standard Sizes</i>	No equivalent
4	5.3.3	UL 746A , <i>Polymeric Materials – Short Term Property Evaluations</i> , and UL 514B , <i>Conduit, Tubing, and Cable Fittings</i>	CAN/CSA-C22.2 No. 0.17-00 (R2004), <i>Evaluation of Properties of Polymeric Materials</i> and CAN/CSA C22.2 No. 18.3-04, <i>Conduit, Tubing, and Cable Fittings</i>	NMX-J-023/1-ANCE-2000, <i>Electrical Products – Output Metallic Boxes - Part 1 - Specifications and Test Methods</i> and NMX-J-017-2006, <i>Conduit, Tubing, and Cable Fittings – Specifications and Test Methods</i>
4A	5.3.4	UL 514B , <i>Conduit, Tubing, and Cable Fittings</i>	CAN/CSA C22.2 No. 18.3-12, <i>Conduit, Tubing, and Cable Fittings</i>	NMX-J-017-2006, <i>Conduit, Tubing, and Cable Fittings – Specifications and Test Methods</i>
4B	6.2.1	UL 514B , <i>Conduit, Tubing, and Cable Fittings</i>	CAN/CSA C22.2 No. 18.3-12, <i>Conduit, Tubing, and Cable Fittings</i>	NMX-J-017-2006, <i>Conduit, Tubing, and Cable Fittings – Specifications and Test Methods</i>
5	5.4.1.1	ASME B1.20.1-1983 (R2006), <i>Pipe Threads, General Purpose (Inch) – Revision and Redesignation of ASME/ANSI B2.1-1968</i>	ASME B1.20.1-1983 (R2006), <i>Pipe Threads, General Purpose (Inch) – Revision and Redesignation of ASME/ANSI B2.1-1968</i>	NMX-J-554-ANCE-2004, <i>Threads for Conduit and Fittings</i>
6	5.4.3.1	ASME B1.20.1-1983 (R2006), <i>Pipe Threads, General Purpose (Inch) – Revision and Redesignation of ASME/ANSI B2.1-1968</i>	ASME B1.20.1-1983 (R2006), <i>Pipe Threads, General Purpose (Inch) – Revision and Redesignation of ASME/ANSI B2.1-1968</i>	NMX-J-554-ANCE-2004, <i>Threads for Conduit and Fittings</i>
7	5.7.4	ASME B1.20.1-1983 (R2006), <i>Pipe Threads, General Purpose (Inch) – Revision and Redesignation of ASME/ANSI B2.1-1968</i>	ASME B1.20.1-1983 (R2006), <i>Pipe Threads, General Purpose (Inch) – Revision and Redesignation of ASME/ANSI B2.1-1968</i>	NMX-J-554-ANCE-2004, <i>Threads for Conduit and Fittings</i>

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