

Subject 4703

October 15, 2018

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Photovoltaic Wire, UL 4703, are being proposed for preliminary review and comment only:

1. For Preliminary Review Only: Proposed New Edition of the Tri-National Standard for Photovoltaic Wire, UL 4703

COMMENTS DUE: NOVEMBER 14, 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.

1. For Preliminary Review Only: Proposed New Edition of the Tri-National Standard for Photovoltaic Wire, UL 4703

RATIONALE

Proposal submitted by: Khaled Masri, NEMA, on behalf of THSC 20 for Building Wire and Cable.

This proposed new edition tri-national harmonized standard for photovoltaic wire combines and revises the construction and test requirements from the Standard for Safety for Photovoltaic Wire, UL 4703 and Photovoltaic Cables, CSA C 22.2 No. 271. There is not an existing standard in Mexico, however, ANCE has agreed to participate in the harmonization activity and adopt the standard once harmonized.

This standard will cover single-conductor or multiple-conductor insulated, and integrally or non-integrally jacketed, sunlight resistant, direct burial Type PV photovoltaic wire and cable rated 90°C, 105°C, 125°C, or 150°C dry and, 90°C wet, 600, 1000, or 2000 V for interconnection wiring of grounded and ungrounded photovoltaic power systems as described in Wiring Systems, Article 690, and other applicable parts of the National Electrical Code (NEC), NFPA 70, the Canadian Electrical Code (CE Code, Part I) and NOM-001-SEDE.



PROPOSAL

To view a copy of the proposed requirements please access the UL 4703 CSDS work area dated October 15, 2018. Once logged in to that work area, click on the magnifying glass next to "Supporting Documentation". This will open a window where you will be able to access the proposals related to Topic 1, Proposed New Edition of the Tri-National Standard for Photovoltaic Wire, UL 4703.

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