

Subject 1558

October 19, 2018

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear, UL 1558, are being proposed:

1. Addition of Requirements to Section 19.6 for the Allowance for Emergency Use Switchgear

STP BALLOTS AND ALL COMMENTS DUE: November 19, 2018

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

1. Addition of Requirements to Section 19.6 for the Allowance for Emergency Use Switchgear

RATIONALE

Proposal submitted by: Paul Barnhart, UL LLC

Currently, UL 1558 prohibits marking switchgear for emergency use, even if transfer switches are included in the switchgear. This proposal provides allowances for marking switchgear for emergency use when specific rules are followed. This helps to align UL 1558 with the NEC and is also similar to proposals for Dead-Front Switchboards covered under UL 891.

It is the proposal submitter's opinion that this proposal represents a new construction requirement and a marking requirement.

PROPOSAL

19.6 Emergency circuits

19.6.1 ~~A circuit, section, or~~ Other than as specified in 19.6.2 through 19.6.3, a circuit or switchgear section shall not be marked for emergency use.

19.6.2 A switchgear section may be marked "Emergency Source," "Emergency Transfer Switch Section," or equivalent when it contains an automatic transfer switch marked for use in emergency systems, under the following conditions:

- a) The transfer switch shall be located in a section having dimensions no smaller than those specified in the installation instructions of the transfer switch.
- b) Overcurrent protection shall be provided for control wiring that is intended to leave the switchgear section to supply a remote test switch or pilot light.

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c) The transfer switch and emergency circuits are located in a separate vertical switchgear section that does not contain any wiring associated with non-emergency loads. This separate vertical section may share a common bus with other vertical sections when the common bus complies with one of the following:

- 1) The bus is not supplied with overcurrent protection at the source or
- 2) The bus is supplied with overcurrent protection at the source that is capable of being selectively coordinated with the downstream overcurrent devices of the nonemergency systems and the switchgear is marked to indicate that all overcurrent protective devices shall be selectively coordinated at the time of installation.

19.6.3 Circuits originating from the transfer switch in 19.6.2 may be identified as emergency circuits. These circuits shall not be routed into or through any other section(s) of the switchgear.

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