

Subject 1203

August 24, 2018

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Safety for Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations, UL 1203, are being proposed:

1. Revision to 10.3.6 to permit an active gasket between polymeric and metal parts of an explosionproof enclosure

STP BALLOTS AND ALL COMMENTS DUE: SEPTEMBER 24, 2018

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

1. Revision to 10.3.6 to permit an active gasket between polymeric and metal parts of an explosionproof enclosure

RATIONALE

Proposal submitted by: Donald Ankele, UL LLC

UL 1203, Clause 10.3.6 currently permits an active gasket between glass and metal parts or glass and polymeric parts. An active gasket will function the same when placed between a polymeric part and a metal part of an explosionproof enclosure.

It is the proposal submitter's opinion that this proposal affects the following topics/sections of the Standard:

- construction requirement revision or clarification.

PROPOSAL

10.3.6 A gasket functioning as an active member in the flamepath is not prohibited from being employed in a metal-to-glass, polymeric-to-metal or polymeric-to-glass joint when the gasket complies with the requirements in 10.3.7 – 10.3.10. The maximum clearance between the gasket and the metal, polymeric, or glass shall not be more than that specified in this Standard for the Group and type of joint.

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