

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Amendment No. 1
to
AS/NZS 4871.1:2012
Electrical equipment for mines and quarries
Part 1: General requirements

CORRECTION

The 2012 edition of AS/NZS 4871.1 is amended as follows; the amendment(s) should be inserted in the appropriate place(s).

SUMMARY: This Amendment applies to Clause 3.7.

Published on 4 April 2014.

Approved for publication in New Zealand on behalf of the Standards Council of New Zealand on 21 March 2014.

Clause 3.7

Delete Clause 3.7 and replace with the following:

3.7 BATTERIES

Batteries or energy storage devices, used for memory backup or for real time clocks, that are used in hazardous areas and that are not certified as explosion protected, plus any associated circuits, shall be assessed by an IECEx recognized test laboratory to one of the following:

- (a) Be Ex 'ia' or Ex 'ma' Ex 's' (zone 0) when the mains supply is removed from the enclosure.
- (b) Conform to AS/NZS 60079.11 'simple apparatus' requirements.
- (c) Pass a conformity assessment undertaken in accordance with AS/NZS 60079.14.
- (d) Be housed in explosion-protected enclosures meeting the requirements of EPL Ma as documented in AS/NZS 60079.14.
- (e) For short-term energy storage devices, such as capacitors housed within an Ex 'd' or Ex 'e' enclosure, conform to AS/NZS 60079.0 'opening times' requirements. The energy level shall fall below the safe limits given in AS/NZS 60079.0 'opening times' within 120 s. A suitable warning label shall be fitted to the enclosure.

NOTES:

- 1 Unless demonstrated otherwise it should be assumed all programmable logic controllers and like devices reliant on programming or memory include a battery.
- 2 The requirements of this Standard may be read in conjunction with, but do not take precedence over, regulations of a regulatory authority that may apply in a specific area.
- 3 This Clause does not apply to batteries covered by AS/NZS 4871.5 and AS/NZS 4871.6.

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