



May 16, 2012

**TO: Subscribers to UL's Listing, Recognition and Classification Services for Electrical Equipment for Use in Class I, Zone 0, 1 and 2 Hazardous (Classified) Locations**

**SUBJECT: Industry Review Program for the Standard for Electrical apparatus for explosive gas atmospheres — Part 15: Construction, test and marking of type of protection "n" electrical apparatus, CAN/CSA-C22.2 No. 60079-15:12**

**Summary of Topics:**

***This bulletin announces the publication of the 2012 Edition of the Standard for Electrical apparatus for explosive gas atmospheres — Part 15: Construction, test and marking of type of protection "n" electrical apparatus, CAN/CSA-C22.2 No. 60079-15:12***

This Bulletin is to inform you that the 2012 edition of the Standard for Electrical apparatus for explosive gas atmospheres — Part 15: Construction, test and marking of type of protection "n" electrical apparatus, CAN/CSA-C22.2 No. 60079-15:12, was recently published.

This 2012 edition of CSA 60079-15 includes increases in requirements from the previous 2002 edition of CSA E60079-15 (see the Annex for an overview of significant technical changes). These increases in requirements between the 2012 and 2002 editions will not require a review of files in addition to that being conducted as part of the current UL 60079-15 3<sup>rd</sup> edition industry file review (IFR) for the following reasons:

- Regarding the UL 60079-15 3<sup>rd</sup> edition IFR underway right now, it addresses the changes between the current 3<sup>rd</sup> edition of UL 60079-15 and the previous 2<sup>nd</sup> edition of UL 60079-15. The effective date for this UL 60079-15 IFR is 31 July 2012.
- The current 3<sup>rd</sup> edition of UL 60079-15 and the current 2012 edition of CSA 60079-15 are both based on the same 3<sup>rd</sup> edition IEC 60079-15. Further, the previous 2<sup>nd</sup> edition of UL 60079-15 and the previous 2002 edition of CSA E60079-15 were both based on the same 2<sup>nd</sup> edition of IEC 60079-15.

Therefore, based on this common sourced IEC standard, along with consideration of the involved US and Canadian National differences, it is determined that no current Listings, Recognitions or Classifications of products based on the 2002 edition of CSA E60079-15 will need any further review other than that being performed on these same products as part of the current UL 60079-15 3<sup>rd</sup> edition IFR.

In other words, compliance with the current UL 60079-15 3<sup>rd</sup> edition IFR will address compliance with the 2012 edition of CSA 60079-15 for current Listings, Recognitions and Classifications of products based on the 2002 edition of CSA E60079-15.

The effective date for compliance with this current 2012 edition of CSA 60079-15 has been established as 1 August 2012 (one day after the 31 July 2012 effective date for compliance with the current UL 60079-15 3<sup>rd</sup> edition). No further evaluation is required for equipment that has already been determined by UL to be in compliance with the current UL 60079-15 3<sup>rd</sup> edition.

Questions regarding interpretation of requirements should be directed to the responsible UL Staff.

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## Annex

The significant technical changes between the current 2012 edition of CSA 60079-15 and the previous 2002 edition of CSA E60079-15 are as follows:

- Linking the standard to 60079-0 and adding Table 1 to show the connections
- References to third party testing stations removed
- Adding the definition of associated energy limiting apparatus [nL] and [Ex nL]
- Definitions eliminated that also appear in 60079-0
- Elimination of n-pressurization, all pressurization requirements now covered by 60079-2
- Air gap spark test requirement added for motors over 100 kW
- Added risk assessment tables for motors over 1 kV and over 100 kW
- Requirements changed for motors operating with frequency converters
- References to other standards updated for luminaires
- Caplights and handlights addressed by reference to 60079-0
- Creepage and clearance requirements for low powered apparatus between 60 V a.c. up to 250 V a.c. added in Table 10
- Requirement for plugs and sockets to maintain the degree of protection expanded
- Cable clamping test eliminated
- Insertion and removal torque values for E40/E39 lamp caps adjusted downward
- High-voltage impulse test for ballasts eliminated
- Changes made to test and acceptance criteria in luminaire starter and ignitor tests
- Ignition tests for large or high-voltage machines added
- Marking and documentation sections changed to reflect changes elsewhere in the standard
- Manufacturer's responsibility section dropped and replaced with instructions section