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**Electrical apparatus for explosive gas atmospheres**

**AS/NZS 60079.10:2004**

**AS/NZS 2430.3:2004**

Submission to the Environmental Risk Management Authority (ERMA)

22 June 2009

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**Background to IPENZ**

The Institution of Professional Engineers New Zealand (IPENZ) is the lead national professional body representing the engineering profession in New Zealand. It has approximately 10,000 Members, including a cross-section of the engineering community from students to senior Fellows in management or governance positions in important design or construction organisations. IPENZ is non-aligned and seeks to contribute to the community in matters of national interest giving a learned view on important issues, independent of any commercial interest.

In making these comments IPENZ has drawn particularly on the knowledge of its Members, or members of kindred bodies, who work with electrical apparatus for explosive gas atmospheres arising from flammable refrigerants.

**Executive Summary**

IPENZ thanks ERMA for the opportunity to comment on the proposed code of practice for AS/NZS 60079.10:2004 and AS/NZS 2430.3:2004. IPENZ approves of updated Standards being cited in Regulations and supports ERMA's proposed code of practice.

**Submission**

IPENZ became aware of these new Standards through the efforts of its working party on coldstore engineering which published *Coldstore Engineering in New Zealand* on 3 June 2009. IPENZ sought and received help from ERMA in reviewing early drafts of this practice note, and is pleased to again acknowledge the review effort.

*Coldstore Engineering* mentions both the AS/NZS 2430.3 series and the AS/NZS 60079 series in its section on hazardous areas. It will be useful to cite ERMA's code of practice in a revised edition of *Coldstore Engineering*.

Another of our reviewers, based in an engineering company in Australia, has advised IPENZ that there are significant changes to the 2430 and 60079 series (and also 2381) that will come through in the next few months. According to this reviewer:

AS/NZS 60079.10 and AS/NZS 2430.3 will be superseded by AS/NZS 60079-10-1.

(Although irrelevant to the current code of practice, the AS/NZS 2381.1 series will be superseded by AS/NZS 60079.14 and 17. Both sets are to run concurrently for two years.)

This completes our submission.

Cameron Smart

Engineering Practice Manager

22 June 2009