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**Explosive atmospheres -
Part 30-2: Electrical resistance trace heating - Guidance on application for
design, installation and maintenance**

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This second edition of IEC/IEEE 60079-30-2 cancels and replaces the first edition of IEC/IEEE 60079-30-2 published in 2015.

This edition includes the following significant technical changes with respect to the previous edition:

- a) a general review and updating of the first edition;
- b) the addition of Annex I - Other applications of trace heating in explosive atmospheres.

The significance of changes between IEC/IEEE 60079-30-2, Edition 1.0 (2015) and IEC/IEEE 60079-30-2, Edition 2.0 (this document) is as listed below:

Changes	Clause	Type		
		Minor and editorial changes	Extension	Major technical changes
The addition of Annex I - Frost heave prevention	Annex I		X	

NOTE The technical changes referred to include the significance of technical changes in the revised IEC Standard, but they do not form an exhaustive list of all modifications from the previous version.

Explanations:

A) Definitions

Minor and editorial changes

clarification

decrease of technical requirements

minor technical change

editorial corrections

These are changes which modify requirements in an editorial or a minor technical way. They include changes of the wording to clarify technical requirements without any technical change, or a reduction in level of existing requirement.

Extension addition of technical options

These are changes which add new or modify existing technical requirements, in a way that new options are given, but without increasing requirements for equipment that was fully compliant with the previous document. Therefore, these will not have to be addressed for products in conformity with the preceding edition.

Major technical changes addition of technical requirements

increase of technical requirements

These are changes to technical requirements (addition, increase of the level or removal) made in a way that a product in conformity with the preceding edition will not always be able to fulfil the requirements given in the later edition. These changes have to be addressed for products in conformity with the preceding edition. For these changes additional information is provided in clause B) below.

NOTE These changes represent current technological knowledge. However, these changes should not normally have an influence on equipment already placed on the market.

B) Information about the background of 'Major technical changes'

None.

The text of this International Standard is based on the following IEC documents:

Draft	Report on voting
31/1868/FDIS	31/1894/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

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This document is to be used in conjunction with IEC/IEEE 60079-30-1, *Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements*.

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