

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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### IEC 60079-14 Edition 5.0 2013-11

## EXPLOSIVE ATMOSPHERES –

### Part 14: Electrical installations design, selection and erection

## INTERPRETATION SHEET 2

This interpretation sheet has been prepared by subcommittee 31J: Classification of hazardous areas and installation requirements, of IEC technical committee 31: Equipment for explosive atmospheres.

The text of this interpretation sheet is based on the following documents:

DISH	Report on voting
31J/302/DISH	31J/303/RVDISH

Full information on the voting for the approval of this interpretation sheet can be found in the report on voting indicated in the above table.

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### Background

With changes to the Type of Protection designations in the IEC 60079 Series, a number of these Type of Protection designations are not identified in the current edition of IEC 60079-14. This may create confusion for end users regarding the correct application of equipment with these Types of Protection.

### Question

How should equipment be marked with new Type of Protection designations be handled in accordance with IEC 60079-14?

### Interpretation

Equipment marked with new Type of Protection designations shall be applied in accordance with IEC 60079-14 requirements based on the following points and IEC 60079-14:2013, Table 2.

- Ex "eb" should be treated as equivalent to Ex "e"
- Ex "ec" should be treated as equivalent to Ex "nA"
- Ex "db" should be treated as equivalent to Ex "d"
- Ex "dc" requirements should be based on Ex "d" requirements but is only suitable for EPL Gc
- Ex "ob" should be treated as equivalent to Ex "o"
- Ex "oc" requirements should be based on Ex "o" requirements but is only suitable for EPL Gc