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## “Ex d” EN 50018:2000 vs EN 60079-1:2004

### Background Information

EN 50018 ceases to have harmonised status under the ATEX Directive from 1 March 2007. The purpose of this data sheet is to give some guidance when considering equivalence to EN 60079-1:2004 which has replaced it as a harmonised standard.

Not all equipment is affected by every difference, and it may be that some items of equipment which meet EN 50018 also meet the relevant requirements of EN 60079-1: 2004. The principal differences are listed alongside, although there are many more minor differences which are not listed.

### Required Actions

1. If you are satisfied that none of the changes apply to your product, record that fact within the technical file (i.e. the set of documentation including the EC-Type Examination Certificate and associated report) and amend your Declaration of Conformity to show that the technical basis of compliance with the EHSRs of the directive is EN50018 plus a review against EN 60079-1:2004 which showed that there were no changes which materially affected the “state of technological progress” with respect to the product. (See the words in the pre-ample to Annex II of the directive.)

2. If you are not sure whether or not the changes apply to your product, seek advice from Baseefa. There is a standard price for this service, with two possible outcomes

2.a If the changes are not relevant, we will issue a supplement to the EC-Type Examination Certificate that we have issued, showing that conformity with the Essential Health and Safety Requirements of the directive is maintained.

2.b If the changes are relevant, we will provide a list of all relevant changes together with a quotation for performing any necessary tests in order to bring your documentation up to date. We will also provide advice on the options of issuing a supplementary certificate or providing a new certificate within both the IECEx and ATEX schemes.

- ✓ **“X” Condition required if the specified flamepath is less than the maximum permitted**
- ✓ **Flanged joint restrictions for acetylene and hydrogen eased**
- ✓ **Group I fasteners must now be shrouded**
- ✓ **Special flame transmission tests required for ambient temperatures over 60°C**
- ✓ **Pressure determination on equipment for use at temperatures below -20°C now in line with long standing Baseefa practice**
- ✓ **Component Certification of Group IIC empty enclosures permitted for the first time**
- ✓ **Batteries permitted for the first time**

Remember that Declarations of Conformity issued from 1 March 2007 should not refer to EN 50018 as a harmonised standard.

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