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## “Ex n” EN 50021:1999 vs EN 60079-15:2003

### Background Information

EN 50021 ceases to have harmonised status under the ATEX Directive from 1 July 2006. The purpose of this data sheet is to give some guidance when considering equivalence to EN 60079-15:2003. The standard has already been superseded by EN 60079-15:2005 is not considered appropriate for most purposes as an upgrade, as it will probably lose its harmonised status on 1 June 2008.

EN 50021 was written in a “stand alone” style, whereas EN 60079-15:2003 is partially integrated with EN 60079-0, the “General Requirements” document, and must be considered with that standard.

Not all equipment is affected by every difference, and it may be that some items of equipment which meet EN 50021 also meet the relevant requirements of EN 60079-15:2005. 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 and amend your Declaration of Conformity to show that the technical basis of compliance with the EHSRs of the directive is EN50021 plus a review against EN 60079-15:2003 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-amble 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.

2.c We will advise on the relative positions for both 2003 and 2005 editions.

- ✓ ***Doubling of impact test levels from 3.5J to 7J and pro-rata***
- ✓ ***Requirements for threads in non-metallic enclosures***
- ✓ ***Tighter requirements for motors fed from frequency converters***
- ✓ ***Different preparation of enclosed-break components prior to testing***

**Remember that Declarations of Conformity issued from 1 July 2006 should not refer to EN 50021 as a harmonised standard.**

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