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General Requirements

EN 50014:1998 vs EN 60079-0:2006

Background Information

EN 50014 ceases to have harmonised status under the ATEX Directive in Spring 2008 although a pragmatic overlap to October 2008 may be assumed. The purpose of this data sheet is to give some guidance when considering equivalence to EN 60079-0:2006 which replaces 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 50014 also meet the relevant requirements of EN 60079-0: 2006. The principal differences are listed alongside, although there are many more minor differences which are not listed.

Note that EN 60079-0:2004 was never harmonised because it did not contain all the information necessary to interface with the ATEX Directive. However, the date of withdrawal of EN 50014 was fixed as three years after the ratification of EN 60079-0:2004. We thus have the curious situation that a standard has remained harmonised for well over a year after it was formally withdrawn

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 EN50014 plus a review against EN 60079-0:2006 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-ambule 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. Normally changes relating to EN 50014/EN 60079-0 will be handled along with the particular protection concept but if only the general requirements are affected, there is a standard price, 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.

- ✓ **Special consideration of external sources of heating and cooling**
- ✓ **Re-definition of "Service Temperature" used to decide pre-conditioning of plastic enclosures**
- ✓ **Importation of Small Component requirements from Ex i.**
- ✓ **Consideration of circulating currents in enclosures**
- ✓ **Gasket retention**
- ✓ **Additional ATEX requirements on Operating Faults**
- ✓ **Acceptance of RTI as alternative to TI**
- ✓ **Importation of Zone 0 requirements for static and light metal**
- ✓ **Relaxation in light metal requirements for Group II**
- ✓ **New anti-static tests**

Remember that Declarations of Conformity should no longer refer to EN 50014 as a harmonised standard. However, a pragmatic extension to October 2008 may be reasonable as the European Commission gave zero notice.

Rockhead Business Park, Staden Lane, Buxton, Derbyshire, SK17 9RZ
 Tel: +44 (0) 1298 766600 Fax: +44 (0) 1298 766601
 Email: info@baseefa.com Website: www.baseefa.com

