



ExTAG/133A/CC  
May 2008

**INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) SCHEME FOR  
CERTIFICATION TO STANDARDS RELATING TO EQUIPMENT FOR USE IN  
EXPLOSIVE ATMOSPHERES (IECEx SCHEME)**

**Title: Compilation of Comments received concerning document: ExTAG/130/CD: –  
*Totality of equipment to be suitable for hazardous area installation when issuing IECEx  
certificates***

**Circulation to: ExTAG Members**

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**Introduction**

In compiling **ExTAG/133/CC - Compilation of comments received concerning document  
ExTAG/130/CD: – *Totality of equipment to be suitable for hazardous area installation  
when issuing IECEx certificates*** technical comments received from FM (GB and US) were  
inadvertently omitted. This additional comment has subsequently been submitted to the  
originator of the document for observations.

The comment, along with the observation from the originator, are now included in this revised  
edition. In view of the additional comment received this revised version of the document does  
not contain an ANNEX A.

In light of comment received from FM (GB and US) and following on from consultation with the  
ExTAG Chairman a decision has been taken to refer the matter to TC31 and then to the 2008  
ExTAG Paris Meeting.

This document is issued for information purposes.

**For and on behalf of  
Michel Brenon  
ExTAG Secretary**

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<b>ExTAG Member</b>	<b>Clause/ Subclause</b>	<b>Paragraph Figure/ Table</b>	<b>Type of comment (General/ Technical/ Editorial)</b>	<b>COMMENTS/ Proposed change</b>	<b>Proposed change</b>	<b>OBSERVATIONS on each comment submitted by the proposer , TestSafe</b>
FM Approvals (GB+US)			Editorial	We assume that standard in question is IEC 62013-1 only as the comments do not appear to be related to the performance issues addressed by IEC 62013-2.	Scope of Decision Sheet (if issued) should be limited to IEC 62013-1.	<b>Accepted</b>
FM Approvals (GB+US)			Editorial	Although this proposed decision refers to “cap lamps”, we believe the intent is to refer to “caplights”, the term used by IEC 60079-0:2004, IEC 60079-0:2007, IEC 62013-1:1999, and IEC 62013-1:2005.	Terms in Decision Sheet (if issued) should be “caplights”, and not “cap lamps”.	<b>Accepted</b>
FM Approvals (GB+US)			Editorial	The references to “Zone 0” and “mine damp” related to Group I are confusing. We assume that references to “Zone 0” and “areas where mine damp are present continuously” are suggesting that equipment with a EPL of Ga is suitable in areas that require an EPL of Ma?	Decision Sheet (if issued) should be prepared in terms of required “EPL” and not “Zone”.	<b>Accepted in principle. Used the same text as in IEC 62013-1.</b>
NANIO CCVE (RU)			General	We support this document as a Decision Sheet of ExTAG.		<b>Noted.</b>
FM (GB)			General	We do not agree with the decision sheet as presented		<b>Noted.</b>
FM (US)			General	We do not support the decision sheet as drafted		<b>Noted.</b>
TestSafe (AU)			General	TestSafe supports this Decision Sheet		<b>Noted.</b>
UL/DEMKO DK			Editorial	1. The subject point is written to address all electrical equipment intended for use in hazardous locations. However the details are only in reference to Cap Lamps (evaluated to IEC 62013). It is our opinion that one of the main points of the draft decision sheet is that products are required		<b>1.The intention of the decision sheet was to ensure that all types of protection necessary are applied for the equipment to be installed in an explosive area.  It is also to be noted that</b>



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				<p>to be marked to indicate all of the types of protection used to determine the suitability of a product for use in hazardous locations. This is already addressed by IEC 60079-0, which requires all of the types of protection to be identified in the marking string.</p> <p>2. In reference to marking of Cap Lamps, we are of the opinion that if a product can be evaluated and determined to comply with the requirements of IEC 62013, then the markings of the product should be those required by that standard. If however, the construction of a product is such that it does not fall into the scope of IEC 62013 (or cannot be evaluated to that standard) then consideration should be given to the possibility that the product is not really a Cap Lamp and needs to be evaluated to a different set of standards.</p> <p>It should be noted that IEC 62013 does make reference to the 60079 series of standards. Therefore marking the Cap Lamp in accordance with IEC 62013 implies compliance with the applicable 60079 series of standards.</p> <p>3. In addition, the purpose of clarifications is to address issues in the standard that are not clear and that may be interpreted in</p>		<p><b>Clause 1 of IEC 62013-1 does not require all clauses of IEC 60079-0 to be applicable.</b></p> <p><b>2. Electronic circuits are not covered completely in IEC 62013-1, therefore the decision sheet is meant to ensure that IEC 62013-1 is applied for the battery, cord, headpiece and IEC 60079-11 be applied for the electronics. The marking should indicate that both these standards are again applied.</b></p> <p><b>3. The decision sheet provides clarification that all parts of the equipment must be comprehensively</b></p>



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				different ways. This clarification acts to change the requirements of the standard by adding additional marking requirements, and is therefore not a clarification		<b>covered when applying explosion protection standards.</b>
FM Approvals (GB+US)			Technical	IEC 60079-0:2007 (Ed 5) and IEC 60079-0:2004 (Ed 4) refers to IEC 62013-1 for the requirements for “caplights in mines susceptible to firedamp”. This is in Clause 22, titled “Supplementary requirements for caplights and handlights”. It would appear the requirements of IEC 62013-1 “supplement” those of IEC 60079-0, but IEC 62013-1 specifically states that the requirements of IEC 60079-0 do not apply unless specifically specified. This results in the requirements for caplights are those of IEC 62013-1 which does not include other types of protection.	<p>We believe that a technical change to the requirements of IEC 62013-1 would be required to allow the additional types of protection “ia” and “ma” to be used in conjunction with the special protection currently outlined in IEC 62013-1. There is no existing requirement to “clarify” with an ExTAG Decision Sheet.</p> <p>Additional marking will probably not be required as the additional types of protection will not require any specific “installation”, but will be somewhat transparent to the user.</p> <p>As a TC31 project to prepare the 3<sup>rd</sup> edition of IEC 62013-1 is currently underway, this proposed change should be passed from ExTAG to TC31/MT62013 for action and incorporation into the 3<sup>rd</sup> edition.</p> <p>If ExTAG considers this to be of an “emergency” nature, a request for an immediate amendment should be made to TC31.</p>	<p><b>Accepted</b></p> <p><b>This decision sheet is about other types of protection being required to be applied in conjunction with IEC 62013-1.</b></p> <p><b>As a TC31 project to prepare the 3<sup>rd</sup> edition of IEC 62013-1 is currently underway, this proposed change should be passed to TC31/MT62013 for action and incorporation into the 3<sup>rd</sup> edition."</b></p>