ExTAG/314 /CC
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INTERNATIONAL ELECTROTECHNICAL COMMISSION SYSTEM FOR CERTIFICATION TO STANDARDS RELATING TO EQUIPMENT FOR USE IN EXPLOSIVE ATMOSPHERES (IECEx SYSTEM)

Circulated to: ExTAG – IECEx Testing and Assessment Group

TITLE: Compilation of comments on ExTAG/313/CD - Draft ExTAG Decision Sheet - Specification of RTI

INTRODUCTION

This document is a compilation of comments received, as well as observations, from the originator SP (SE) on **ExTAG/313/CD - Draft ExTAG Decision Sheet - Specification of RTI.**

We wish to advise that unless there are further comments within two weeks, the draft DS will be published without amendment.

Comments close by **2014 04 30**

On behalf of Mr. Gauthier

Julien Gauthier

Julien Gauthier
ExTAG Secretary

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Member Body/ Country	Clause/ Sub-clause	Paragraph Figure/ Table	Type of comment General/ technical/ editorial	COMMENTS	Proposed change	Observation
CESI IT			T/G	NO- it is not acceptable to use the most favourable value of "RTI – mechanical impact" and "RTI – mechanical strength", for a plastic material in the enclosure! **RTI mechanical impact:** The mechanical impact RTI is associated with critical impact resistance, resilience and flexibility properties. Generally for the Ex equipment and for plastic materials is necessary to take in consideration the most stringent conditions due precisely from the requirements of the general rules and the testing required.	We can consider only RTI mechanical impact as more significant value.	**Reject** With the present text in the standard RTI mechanical strength or RTI mechanical impact should be acceptable specifications as an alternative to TI. According to comment from FMG (US) this reflects standardization actions
DEKRA Certification B.V. NL			**General**	**Agree; no comments.**		**Accept**
Ex-Agencija HR				Ex-Agencija agree with the document		**Accept**
FME GB				FME has no comments on ExTAG/313/CD		

Member Body/ Country	Clause/ Sub-clause	Paragraph Figure/ Table	Type of comment General/ technical/ editorial	COMMENTS	Proposed change	Observation
FMG (US)			General	FM Approvals LLC (FMG) supports the decision as it reflects the actions of TC31/WG22 when the change was made for 60079-0:2011. In 31/800A/CC the response to a comment on this section was: There are two properties that can be used. **RTI Mech Imp** – Mechanical impact RTI, associated with critical impact resistance, resilience, and flexibility properties **RTI Mech Str** – Mechanical strength (Mechanical without impact) RTI, associated with critical mechanical strength where impact resistance, resilience, and flexibility are not essential. Just using "mechanical" allows both to be considered.	None	**Accept**
FTZU CZ				We agree with the wording of drafts		**Accept**
ITS US				ITS US has "No Comments"		**Accept**
NANIO/ CCVE RU			General	We support ExTAG/313/CD without any comments.		**Accept**
NANIO/ CCVE RU			General	According to thermal-aging program RTI is considered as RTI electrical, RTI mechanical impact, RTI mechanical strength. The	Maybe it will be practical to add "RTI mechanical impact or mechanical strength" into section 7.1.2.2 d) IEC 60079-0	Agree that the proposed change would clarify the required specification.

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				requirements IEC 60079-0 are addressed to RTI mechanical.		
NEPSI CN				**Approved with no comments.**		**Accept**
QPS CA				**QPS supports all three decisions sheets with no comments.**		**Accept**
TRaC GB				**TRaC has reviewed and we have no significant comments.**		**Accept**
TUR DE			**General**	**We support the document with following changes.**		
		Answer	**editorial**	**The answer did not give clear information.**	**Rewrite like follows:** **The value given as "RTI-mechanical strength" shall be used.**	**Rejected** RTI mechanical strength or RTI mechanical impact should be acceptable specifications as an alternative to TI
		Background	**editorial**	**More detailed background should be provided.**	**Replace by:** **The main value is the TI. As an alternative the "RTI mechanical strength" can be used. The "RTI mechanical strength" is the comparable test to the "TI" test.**	**Rejected** RTI mechanical strength or RTI mechanical impact should be acceptable specifications as an alternative to TI.
UL US				**UL-USA supports the decision sheet**		**Accept**

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UL/DEMKO DK				**Answer:** Yes (as IEC 60079-0:2011 specify "RTI-mechanical" as an alternate to the similar "flexural strength"). **Background:** Both specification of "RTI – mechanical" and flexure strength" relate to static or slow effects in plastic and has been considered acceptable for plastic materials in enclosures according to this standard. The "RTI – impact" relates to a sudden effect and mostly results in a lower RTI than for "RTI - mechanical". In earlier editions of the standard, "RTI mechanical impact" was more severe than the TI based on "flexure strength		Accept