



ISO/TC 197
Hydrogen technologies

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Secretariat: SCC (Canada)

ISO DIS 22734 Collated Comments 2018-05

Document type: Other committee document

Date of document: 2018-06-06

Expected action: INFO

Background: Here are the collated comments from the DIS ballot that closed on 2018-05-14.

Committee URL: <https://isotc.iso.org/livelink/livelink/open/tc197>

Template for comments and secretariat observations

Date:2018-05-16

Document:

Project:

MB/ NC ¹	Line number	Clause/ Subclause	Paragraph/ Figure/Table	Type of comment ²	Comments	Proposed change	Observations of the secretariat
IRAM/ AR 001			Reference 32	Ed	The acronym of the code and consequently the name of the standard is wrong and should be corrected - ICG Doc 13/02/E, <i>Oxygen Pipeline Systems</i>	Rename as follows: IGC Doc 13/02/E, <i>Oxygen Pipeline Systems</i>	
JP 002		01		te	ISO 22734 is applicable to multi-production model. Field assembly type or order production type which are met with various customer requirements are out of scope	Add the sentence as follows; Hydrogen generators of field assembly type or order production type are excluded from the scope of ISO 22734.	
** 003		03.04, 3.5		Ed	Move "hazardous" and "non-hazardous" into the definition, i.e. <hazardous>		
CA 004	16	04.01.5.3			This rule needs to be enforceable as opposed to being a recommendation. If an electrolyser is provided to an equipment assembler, and the assembler installs the unit inside a "C-Can), there is a potential for a hazard.	Delete the test It is recommended that the room And replace with A room to which the	
CA 005	5	04.01.6.3			This rule needs to be enforceable as opposed to being a recommendation	Delete the test It is recommended that the room And replace with A room to which the	
** 006		04.02		ed	If reference to a specific part of a standard is made, the publication date needs to be added, e.g. Annex B of ISO / IEC 31010	Add publication date to specific references to standards throughout the document	
CA 007	1	04.03.4.1			Adequate margin is not enforceable. A percentage needs to be specified. The manufacturer shall define the MAWP of the pressurized systems such there is adequate margin above the MOP to prevent inadvertent or unnecessary activations of pressure-relief devices (PRD). The ratings of all components shall be equal to or greater than the system MAWP.	4.3.4 Pressure-bearing components 4.3.4.1 General requirements The manufacturer shall define the MAWP of the pressurized systems such there is adequate margin that is not to exceed 20% above the MOP to prevent inadvertent or unnecessary activations of pressure-relief devices (PRD). The ratings of all components shall be equal to or greater than the system MAWP. PRDs shall protect all components in the system against over-pressure and be set at or below the	

1 **MB** = Member body / **NC** = National Committee (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by **)

2 **Type of comment:** **ge** = general **te** = technical **ed** = editorial

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						system MAWP. (see 4.3.4.7)	
NZ 008		04.03.4.5		te	On page 15. The note at the end of the section correctly identifies a hazard the proposed change could be added immediately before it to explicitly address the issue.	Suggested additional penultimate paragraph, "Metal parts at both ends of non-conductive pipe shall be grounded."	
NZ 009		04.06.1		ed	On page 25, last line. Inappropriate hyphen/dash.	Remove "-" between "electrolyte" & "shall".	
NZ 010		05.02.7.1		ed	On page 33, missing word.	Amend "described4.4.1" to "described in 4.4.1".	
NZ 011		07.05		te	For many installations a passive safety feature is that hydrogen be allowed to rise freely and be diluted as rapidly as possible in the atmosphere. Anything that restricts such flow paths should be removed and this can be ensure after regular maintenance. This also applies to oxygen where it is not captured.	Suggested addition after the third paragraph, "Maintenance should include ensuring that there are no obstructions to the free flow of gas where it is intended that gas be diluted to a safe concentration in the atmosphere."	
** 012		Clause 2 Normative references		ed	ISO 7000 and ISO 7010 are not normative. It is not required in all instances.	Move ISO 7000 and ISO 7010 to the Bibliography.	
** 013		Clause 2 Normative references		ed	IEC 60079 (all parts) is listed in the normative references clause and so are some of the separate parts of the document.	Either list IEC 60079 (all parts) or list the separate parts that are normative but not list both.	
** 014		Clause 2		Ed	Introductory generic text is not correct.	Up-to-date generic text is provided in the Simple template in the Drafting standards section on iso.org: https://www.iso.org/drafting-standards.html	
** 015		Figures		Ed	Please provide revisable files for all figures.	Guidelines for the submission of text and graphics to ISO/CS are available in the Drafting standards section on iso.org: https://www.iso.org/drafting-standards.html	
** 016		Foreword		Ed	Update generic text, which now includes mention of "the voluntary nature of standards" in 5 th	Up-to-date generic text is provided in the Simple template in the Drafting standards section on	

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					paragraph (and 3 rd hyperlink) and rewords subsequent paragraphs.	iso.org: https://www.iso.org/drafting-standards.html	
** 017		General		Ed	Use “this document” to refer to ISO XXXXX throughout the text.	Please correct as applicable.	
** 018		General: NOTES		Ed	NOTES cannot contain requirements (“shall”), recommendations (“should”) or permission (“may”).	Review all NOTES and remove or redraft any of the provisions not allowed.	

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