



Form 21: Result of Systematic Review of ISO deliverable

Date: 2016-12-13	ISO/TC 197 N 834
Title of TC/SC concerned: Hydrogen technologies	

This document is to be completed by the committee secretariat and circulated within 6 months of the termination of the review period to (1) all P- and O-members, organizations and committees in liaison, (2) the ISO Central Secretariat, (3) the TC secretariat in the case of review in an SC.

Review: Start date: 2015-10-15 End date: 2016-03-17
Reference number and title of ISO deliverable: ISO 16110-1:2007 English title: Hydrogen generators using fuel processing technologies -- Part 1: Safety French title: Générateurs d'hydrogène faisant appel aux technologies du traitement du carburant -- Partie 1: Sécurité

Results (the compilation of results is given as an annex)
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The following criteria have been met: 1. A simple majority of voting P-members has proposed the following action: a <input type="checkbox"/> withdrawal b <input type="checkbox"/> revision/amendment c <input checked="" type="checkbox"/> confirmation 2. <input checked="" type="checkbox"/> It has been adopted/is intended to be adopted (with or without change) or is used by at least 5 countries

In the light of results, the following action is proposed and will be considered the committee decision unless objections are received within one month of circulation of this form:

Criteria 1 a met or criteria 2 not met:

withdrawal

Criteria 1 b & 2 met – see Note:

revision **amendment** **minor revision** (to be registered as a FDIS – stage 50.00)

Note: The choice between revision and amendment is essentially based on an assessment of whether or not the changes are limited (amendment) or if they require the redevelopment of the whole document (revision). To be determined by the committee secretariat. A minor revision may be selected if the proposed changes do not impact the technical content.

In the case of a Revision or an Amendment, the project is to be registered as:

A Working draft (WD – stage 20.20)

A Committee draft (CD – stage 30.00)

A Draft International Standard (DIS – stage 40.00)

A call for experts must be launched for revisions or amendments. However there is no minimum number of active P-members required.

The scope of the document is confirmed

Note: an expansion of scope will require a NWIP ballot and the completion of Form 4. See clause 2.3.1 of the ISO/IEC Directives Part 1 and Consolidated ISO Supplement.

Proposed development track

1 (24 months)

2 (36 months -

3 (48 months)

Proposed Project Leader (name and email address):

This proposal will be developed by:

An existing Working

A new Working Group

Note: establishment of a new WG must be approved by committee resolution

The TC/SC directly

Criteria 1c & 2, met:

Confirmation

For TS and PAS ONLY:

Conversion to an International Standard

<input type="checkbox"/> No final decision can yet be taken for the following reason(s) (indicate when decision is expected):
<input type="checkbox"/> Other (Please describe, e.g. division into parts, combination with another IS, registration as a PWI)

Secretariat: SCC	Date: 2016-12-13	Signature of TC/SC Ferrero, Jim Mr
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Systematic Review voting result

Reference	ISO 16110-1:2007 (vers 2)	Committee	ISO/TC 197
Edition number	1	Vienna agreement	
English title	Hydrogen generators using fuel processing technologies -- Part 1: Safety		
French title	Générateurs d'hydrogène faisant appel aux technologies du traitement du carburant -- Partie 1: Sécurité		
Start date	2015-10-15	End date	2016-03-15
Opened on	2015-10-15 00:26:40	Closed on	2016-03-17 01:11:27
Status	Closed		
Voting stage	Systematic review	Version number	2
Vote in parallel with			
Note			

Questions	
Q.1	Recommended action
Q.2	Has this International Standard been adopted or is it intended to be adopted in the future as a national standard or other publication?
Q.3	Is the national publication identical to the International Standard or was it modified?
Q.4	If this International Standard has not been nationally adopted, is it applied or used in your country without national adoption or are products/processes/services used in your country based on this standard?
Q.5	Is this International Standard, or its national adoption, referenced in regulations in your country?
Q.6	In case the committee decides to Revise/Amend, will/are you committed to participate actively in the development of the project?

Votes by members												
Country	Member	Status	Confirm	Revise / Amend	Withdraw	Abstain lack of consensus	Abstain lack of national expert input	Q.2	Q.3	Q.4	Q.5	Q.6
Argentina	IRAM	P-Member	X					No		No	No	No
Australia	SA	O-Member					X	No		No	No	No
Austria	ASI	O-Member					X	No		No	No	No
Canada	SCC	Secretariat					X	No		No	No	No
China	SAC	P-Member	X					Yes	Modified		No	Yes (experts nominated)
Czech Republic	UNMZ	P-Member	X					No		No	No	No

Votes by members												
Country	Member	Status	Confirm	Revise / Amend	Withdraw	Abstain lack of consensus	Abstain lack of national expert input	Q.2	Q.3	Q.4	Q.5	Q.6
Denmark	DS	P-Member	X					Yes	Identical		No	No
Egypt	EOS	P-Member					X	No		No	No	No
France	AFNOR	P-Member	X					Yes	Identical		No	No
Germany	DIN	P-Member		X				No		Yes	No	Yes (experts nominated)
India	BIS	P-Member	X					Yes	Identical		No	No
Italy	UNI	P-Member					X	No		No	No	No
Japan	JISC	P-Member		X				No		No	No	Yes (experts nominated)
Korea, Republic of	KATS	P-Member				X		No		No	No	No
Netherlands	NEN	P-Member					X	No		No	No	No
New Zealand	NZSO	P-Member		X				No		No	No	Yes (experts nominated)
Norway	SN	P-Member					X	No		Yes	No	No
Russian Federation	GOST R	P-Member	X					Yes	Modified		No	Yes (experts nominated)
Spain	AENOR	P-Member				X		Yes	Identical		No	No
Sri Lanka	SLSI	O-Member					X	No		No	No	Yes (experts nominated)
Sweden	SIS	P-Member					X	No		No	No	No
United Kingdom	BSI	P-Member	X					Yes	Identical		No	No
United States	ANSI	P-Member					X	No		No	No	Yes (experts nominated)
P-Members TOTALS												
Total of P-Members voting (*) : 11												
Confirm : 8			8	3	0	2	7	7 Yes 13 No	5 Identical 2 Modified	2 Yes 11 No	0 Yes 20 No	6 Yes 14 No
Revise / Amend : 3												
Withdraw : 0												
TOTALS			8	3	0	2	10	7 Yes 16 No	5 Identical 2 Modified	2 Yes 14 No	0 Yes 23 No	7 Yes 16 No

(*): P-Members having abstained are not counted

Answers to Q.1: "Recommended action" (all votes)	
0 x	Withdraw
3 x	Revise / Amend Germany (DIN) Japan (JISC) New Zealand (NZSO)
8 x	Confirm Argentina (IRAM) China (SAC) Czech Republic (UNMZ) Denmark (DS) France (AFNOR) India (BIS) Russian Federation (GOST R) United Kingdom (BSI)
2 x	Abstain (consensus) Korea, Republic of (KATS) Spain (AENOR)
10 x	Abstain (expertise) Australia (SA) Austria (ASI) Canada (SCC) Egypt (EOS) Italy (UNI) Netherlands (NEN) Norway (SN) Sri Lanka (SLSI) Sweden (SIS) United States (ANSI)
Comments	
Germany (DIN) Klaas, Uwe Mr	A number of normative references and, as a consequence, requirements in ISO 16110-1 also require revision.
New Zealand (NZSO) Harniss, Bev Mrs	This standard is in a atechanical area where advances are being made to should be revised or amended to ensure it remains fit for purpose

Answers to Q.2: "Has this International Standard been adopted or is it intended to be adopted in the future as a national standard or other publication?" (all votes)	
7 x	Yes China (SAC) Denmark (DS) France (AFNOR) India (BIS) Russian Federation (GOST R) Spain (AENOR) United Kingdom (BSI)
16 x	No Argentina (IRAM) Australia (SA) Austria (ASI) Canada (SCC) Czech Republic (UNMZ) Egypt (EOS) Germany (DIN) Italy (UNI) Japan (JISC) Korea, Republic of (KATS) Netherlands (NEN) New Zealand (NZSO) Norway (SN) Sri Lanka (SLSI) Sweden (SIS) United States (ANSI)
Comments	
Argentina (IRAM) Santella, Mabel Mrs	At the moment this standard is not included in 2016 study plan .
Australia (SA) Anderson, John Mr	No comment.
Austria (ASI) Koellner, Gabriele Mrs	Keeping in mind that the use of standards is not compulsory, either bilaterally agreed specifications (other documents than standards) or a relevant national/regional standard might be used instead of this International Standard.
Canada (SCC) Geraghty, Christine Mrs	Unknown
China (SAC) Wang, Geng	SAC is discussing to adopt this standard as a national standard.
Czech Republic (UNMZ) Kuklova, Lydie Mrs.	It is intended to be adopted in the future.
Denmark (DS) Velk, Per Mr	16110-1:2007
Egypt (EOS) Safe, Maha Eng.	we abstain
France (AFNOR) Pillard, Valérie Mme	NF ISO 16110-1:2009
Germany (DIN) Klaas, Uwe Mr	Intended to be implemented when adopted as EN ISO standard.
India (BIS) jha, R.K Dr	IS 16512 (Part 1) : 2016 ISO 16110-1 : 2007 Doc No. : CHD 06 (1726)
Italy (UNI) Luppino, Lucilla Ms	-
Japan (JISC) Miyashita, Osamu Mr	In Japan, we have "High Pressure Control Law" to which Japan's manufactrers have to follow mandatory.
Korea, Republic of (KATS) Kim, Sookrae Mr	No

Answers to Q.2: "Has this International Standard been adopted or is it intended to be adopted in the future as a national standard or other publication?" (all votes)

Comments	
Netherlands (NEN) Feenstra, Linda Mrs	due to lack to national expertise
New Zealand (NZSO) Harniss, Bev Mrs	The ISO version is used
Norway (SN) Borgos, Kari Synnøve Ms	ISO standards that have not been adopted by CEN are adopted nationally (as NS) on a case-by-case basis depending on feedback from and interests in the market.
Russian Federation (GOST R) Poluektova, Olga Ms	GOST R 54110-2010
Spain (AENOR) JORQUERA, Jose Mr	UNE EN ISO 16110-1:2015
Sri Lanka (SLSI) Sirikumara, Jayantha Mr	<p>This is not popular in Sri Lanka yet, But will come soon, This will be Sri lanka's future.</p> <p>Pleae help us to come up in this technology for National development. I thank you I remain at your disposal for any further information regarding this.</p> <p>I thank you</p> <p>Best Regards,</p> <p>*****</p> <p>Eng K Jayantha Sirikumara B.Sc (Eng), PGD in Energy Technology, MEng (Reading), AMIESL. Secretariat ISO / PC 248/ Sustainability criteria for bioenergy NMC Sri Lanka</p> <p>Assistant Director Engineering Standardization Division Sri Lanka Standards Institution No 17, Victoria Place, Alvitigala Mawatha, Colombo 08 Sri Lanka</p> <p>Tele: +94112671567 Ext 166 Mobile: +94725492851 E mail:jayantha@slsi.lk</p>
Sweden (SIS) Widebeck, Malin Ms	--
United Kingdom (BSI) Operations Support Centre, OSC Ms	Implemented as BS ISO 16110-1:2007
United States (ANSI) Team, ANSI ISO	n/a

Answers to Q.3: "Is the national publication identical to the International Standard or was it modified?" (all votes)

5 x Identical	Denmark (DS) France (AFNOR) India (BIS) Spain (AENOR) United Kingdom (BSI)
2 x Modified	China (SAC) Russian Federation (GOST R)

Comments	
China (SAC) Wang, Geng	There might be some modification due to the domestic regulation.

Answers to Q.3: "Is the national publication identical to the International Standard or was it modified?" (all votes)	
Comments	
Russian Federation (GOST R) Poluektova, Olga Ms	Differences related to the design characteristics of the national standard

Answers to Q.4: "If this International Standard has not been nationally adopted, is it applied or used in your country without national adoption or are products/processes/services used in your country based on this standard?" (all votes)	
2 x Yes	Germany (DIN) Norway (SN)
14 x No	Argentina (IRAM) Australia (SA) Austria (ASI) Canada (SCC) Czech Republic (UNMZ) Egypt (EOS) Italy (UNI) Japan (JISC) Korea, Republic of (KATS) Netherlands (NEN) New Zealand (NZSO) Sri Lanka (SLSI) Sweden (SIS) United States (ANSI)
Comments	
Germany (DIN) Klaas, Uwe Mr	there is no national standard on hte issue yet.
Norway (SN) Borgos, Kari Synnøve Ms	It cannot be ruled out.

Answers to Q.5: "Is this International Standard, or its national adoption, referenced in regulations in your country?" (all votes)	
0 x Yes	
23 x No	Argentina (IRAM) Australia (SA) Austria (ASI) Canada (SCC) China (SAC) Czech Republic (UNMZ) Denmark (DS) Egypt (EOS) France (AFNOR) Germany (DIN) India (BIS) Italy (UNI) Japan (JISC) Korea, Republic of (KATS) Netherlands (NEN) New Zealand (NZSO) Norway (SN) Russian Federation (GOST R) Spain (AENOR) Sri Lanka (SLSI) Sweden (SIS) United Kingdom (BSI) United States (ANSI)

Answers to Q.6: "In case the committee decides to Revise/Amend, will/are you committed to participate actively in the development of the project?" (all votes)	
7 x Yes	China (SAC) Germany (DIN) Japan (JISC) New Zealand (NZSO) Russian Federation (GOST R) Sri Lanka (SLSI) United States (ANSI)
16 x No	Argentina (IRAM) Australia (SA) Austria (ASI) Canada (SCC) Czech Republic (UNMZ) Denmark (DS) Egypt (EOS) France (AFNOR) India (BIS) Italy (UNI) Korea, Republic of (KATS) Netherlands (NEN) Norway (SN) Spain (AENOR) Sweden (SIS) United Kingdom (BSI)
Comments	
China (SAC) Wang, Geng	The experts will be nomimated later.
Germany (DIN) Klaas, Uwe Mr	Dr. Ulrich Schmidtchen (member of ISO/TC 197)
Japan (JISC) Miyashita, Osamu Mr	Mr. Osamu OKADA email: okada@r-energy.com Mr. Kazuo KOSEKI email: koseki@fcdic.jp Mr. Sam MIYASHITA email: os-miyashita@hysut.or.jp
New Zealand (NZSO) Harniss, Bev Mrs	Mr Jonathan Lever email jleaver@unitec.ac.nz
Russian Federation (GOST R) Poluektova, Olga Ms	Mr. Alexander Ramenskiy
Sri Lanka (SLSI) Sirikumara, Jayantha Mr	I remain at your disposal for any further information regarding this. I thank you Best Regards, ***** Eng K Jayantha Sirikumara B.Sc (Eng), PGD in Energy Technology, MEng (Reading), AMIESL. Secretariat ISO / PC 248/ Sustainability criteria for bioenergy NMC Sri Lanka

Answers to Q.6: "In case the committee decides to Revise/Amend, will/are you committed to participate actively in the development of the project?" (all votes)

Comments

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Comment files from voters

Japan (JISC) Miyashita, Osamu Mr	See linked comment file: <i>ISO 16110-1 2007 (vers 2) JISC.doc</i> (access restricted to ballot audience)
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