RESULT OF SYSTEMATIC REVIEW OF ISO DELIVERABLE		
Date 2015-11-13	ISO/TC 197	**N 717**
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: 2015-04-15 End date: 2015-09-17

Reference number and title of International Standard

ISO 26142:2010

English title Hydrogen detection apparatus -- Stationary applications

French title Détecteurs d'hydrogène -- Applications fixes

Results (the compilation of results is given as an annex)

The following criteria have been met

1 A simple majority of voting P-members has proposed the following action:

a ☐ withdrawal **b** ☐ revision/amendment **c** ☒ confirmation

2 ☒ 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 critera 2 not met:

☐ **Withdrawal**

Criteria 1 b & 2 met - see Note:

☐ **Revision** ☐ **Amendment** ☐ **Minor revision**

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.

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

Proposed development ☐ 1 (24 months) ☐ 2 (36 months - default) ☐ 3 (48 months)

Criteria 1 c & 2 met:

☐ **Confirmation**

For TS and PAS ONLY:

☐ **Conversion to an International Standard**

☒ **No final decision can yet be taken** for the following reason(s) (indicate when decision is expected):

This SR will be discussed at the Dec. 2015 Plenary.
Expected decision date:2015-12-17

☐ **Other** (Please describe, e.g. division into Parts, combination with another IS, conversion to another deliverable type)

Secretariat	Date	Signature of the TC or SC Secretary
SCC	2015-11-13	Ferrero, Jim Mr

Systematic Review voting result

Reference	**ISO 26142:2010**	Committee	**ISO/TC 197**
Edition number	1	Vienna agreement	
English title	Hydrogen detection apparatus -- Stationary applications		
French title	Détecteurs d'hydrogène -- Applications fixes		
Start date	2015-04-15	End date	2015-09-15
Opened on	2015-04-15 00:39:53	Closed on	2015-09-17 00:28:32
Status	Closed		
Voting stage	Systematic review	Version number	1
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, or proposed to be identical, to the International Standard or modified?
Q.4	Is this International Standard used in your country without national adoption or are products used in your country based on this standard?
Q.5	Is this International Standard, or its national adoption, referenced in regulations in your country?

Votes by members

Country	Member	Status	Confirm	Revise / Amend	Withdraw	Abstain	Q.2	Q.3	Q.4	Q.5
Argentina	**IRAM**	**P-Member**				X	No		No	No
Australia	**SA**	**O-Member**				X	No		No	No
Brazil	**ABNT**	**P-Member**				X	No		No	No
Canada	**SCC**	**Secretariat**	X				No		Yes	No
China	**SAC**	**P-Member**	X				Yes	Identical		No
Czech Republic	**UNMZ**	**P-Member**				X	No		No	No
Denmark	**DS**	**P-Member**	X				Yes	Identical		No

Votes by members

Country	Member	Status	Confirm	Revise / Amend	Withdraw	Abstain	Q.2	Q.3	Q.4	Q.5
Egypt	**EOS**	**P-Member**	X				No		No	No
France	**AFNOR**	**P-Member**	X				No		Yes	No
Germany	**DIN**	**P-Member**				X	No		No	No
India	**BIS**	**P-Member**	X				No		No	No
Italy	**UNI**	**P-Member**				X	No		No	No
Japan	**JISC**	**P-Member**	X				No		No	No
Korea, Republic of	**KATS**	**P-Member**				X	No		No	No
Netherlands	**NEN**	**P-Member**				X	No		No	No
New Zealand	**SNZ**	**P-Member**				X	No		No	No
Norway	**SN**	**P-Member**				X	No		No	No
Russian Federation	**GOST R**	**P-Member**	X				Yes	Identical		No
Spain	**AENOR**	**P-Member**				X	No		No	No
Sri Lanka	**SLSI**	**O-Member**				X	No		No	No
Sweden	**SIS**	**P-Member**				X	No		No	No
United Kingdom	**BSI**	**P-Member**	X				Yes	Identical		No
United States	**ANSI**	**P-Member**		X			No		No	No
P-Members TOTALS Total of P-Members voting (*) : 10 Confirm : 9 Revise / Amend : 1 Withdraw : 0			9	1	0	11	4 Yes 17 No	4 Identical 0 Modified	2 Yes 15 No	0 Yes 21 No
TOTALS			9	1	0	13	4 Yes 19 No	4 Identical 0 Modified	2 Yes 17 No	0 Yes 23 No

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

Answers to Q.1: "Recommended action" (all votes)

Answers to Q.1: "Recommended action" (all votes)		
0 x	Withdraw	
1 x	Revise / Amend	United States (ANSI)
9 x	Confirm	Canada (SCC) China (SAC) Denmark (DS) Egypt (EOS) France (AFNOR) India (BIS) Japan (JISC) Russian Federation (GOST R) United Kingdom (BSI)
13 x	Abstain	Argentina (IRAM) Australia (SA) Brazil (ABNT) Czech Republic (UNMZ) Germany (DIN) Italy (UNI) Korea, Republic of (KATS) Netherlands (NEN) New Zealand (SNZ) Norway (SN) Spain (AENOR) Sri Lanka (SLSI) Sweden (SIS)

Comments	
New Zealand (SNZ) Harniss, Bev	Standards New Zealand have consulted with our New Zealand ISO/TC 197 IRG and they have no opinion.
United States (ANSI) Team, ANSI ISO	There have been significant advances in hydrogen sensor technologies as well as research results subsequent to publication of this standard which can be used to improve the document. See http://www.hydrogenandfuelcellsafety.info/2010/jul/hydrogenSensors.asp. Comments for survey questions: Q1 - Once this document is acceptable to US experts, it may be used as a reference in US codes or standards which reference hydrogen detecttion equipment. Q2 - I am not aware of whether any hydrogen detection systems manufactured or used in the US are using this standard at this time. There are times when systems within the scope of this standard are used, but adoption to this standard is not clear. Feedback from US experts who use hydrogen detection systems in stationary applications, particularly hydrogen fueling operations, would be useful to further evaluate national use and potential improvements to facilitate national use in the future. Q3 - Once this document is acceptable to US experts, it may be used as a reference in US codes or standards which reference hydrogen detecttion equipment.

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)		
4 x	Yes	China (SAC) Denmark (DS) Russian Federation (GOST R) United Kingdom (BSI)
19 x	No	Argentina (IRAM) Australia (SA) Brazil (ABNT) Canada (SCC) Czech Republic (UNMZ) Egypt (EOS) France (AFNOR) Germany (DIN) India (BIS) Italy (UNI) Japan (JISC) Korea, Republic of (KATS) Netherlands (NEN) New Zealand (SNZ) Norway (SN) Spain (AENOR) Sri Lanka (SLSI) Sweden (SIS) United States (ANSI)

Comments	
China (SAC) Wang, Geng	SAC is planning to adopt this standard as a national standard.
Denmark (DS) Velk, Per Mr	DS/ISO 26142:2012
Russian Federation (GOST R) Poluektova, Olga Ms	GOST R ISO 26142–2013 Hydrogen detection apparatus. Stationary applications
United Kingdom (BSI) Operations Support Centre, OSC Mr	Implemented as BS ISO 26142:2010

Answers to Q.3: "Is the national publication identical, or proposed to be identical, to the International Standard or modified?" (all votes)		
4 x	Identical	China (SAC) Denmark (DS) Russian Federation (GOST R) United Kingdom (BSI)
0 x	Modified	

Answers to Q.4: "Is this International Standard used in your country without national adoption or are products used in your country based on this standard?" (all votes)		
2 x	Yes	Canada (SCC) France (AFNOR)
17 x	No	Argentina (IRAM) Australia (SA) Brazil (ABNT) Czech Republic (UNMZ) Egypt (EOS) Germany (DIN) India (BIS) Italy (UNI) Japan (JISC) Korea, Republic of (KATS) Netherlands (NEN) New Zealand (SNZ) Norway (SN) Spain (AENOR) Sri Lanka (SLSI) Sweden (SIS) United States (ANSI)

Answers to Q.4: "Is this International Standard used in your country without national adoption or are products used in your country based on this standard?" (all votes)	
Comments	
Canada (SCC) Geraghty, Christine Mrs	It will be referred to in the CAN/BNQ 1784-000 Canadian Hydrogen Installation Code (CHIC), which is used by Regulators in Canada.
France (AFNOR) Pillard, Valérie Mme	this International Standard is used without national adoption

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) Brazil (ABNT) 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 (SNZ) Norway (SN) Russian Federation (GOST R) Spain (AENOR) Sri Lanka (SLSI) Sweden (SIS) United Kingdom (BSI) United States (ANSI)

Comment files from voters	
India (BIS) jha, R.K Dr	**See linked comment file:** *ISO 26142 2010 BIS.doc* (access restricted to ballot audience)