RESULT OF VOTING ON NEW WORK ITEM PROPOSAL

Date	ISO/TC 197	N 608
2013-10-25		

Title of TC/SC concerned
Hydrogen technologies

To be completed by the secretariat and sent to the ISO Central Secretariat and to all P- and O-members of the TC or SC concerned, with a copy to the TC secretariat in the case of a subcommittee.

Proposal ISO/TC 197 N 593 Circulation 2013-07-30 Deadline 2013-10-02

Title (new title if appropriate)

English title **Gaseous hydrogen -- Fueling stations -- Dispensers**

French title (Optionnal) **Titre manque**

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

The following criteria for acceptance have been met:

☒ Approval by a simple majority of the voting P-members; and

☒ a commitment to participate actively in the development of the project by at least 4 P-members in committees with 16 or less P-members and at least 5 P-members in committees with 17 or more P-members (rf ISO/IEC Directives, Part 1 clause 2.3.5) and have nominated an expert

In the light of results, the proposal is therefore:

☒ **Approved** (all approval criteria met) and the project will be registered:

- ☒ as new project in the committee's work programme (stage 20.00)
- ☐ as a Working Draft (WD – stage 20.20)
- ☐ as a Committee Draft (CD – stage 30.00)
- ☐ as a Draft International Standard (DIS – stage 40.00)

☐ **Disapproved** (one or more approval criteria not met)

(note that if no option is selected, the default will be abandoned)

- ☐ The draft will be registered as a preliminary work item (stage 00.60)
- ☐ Abandoned.

Proposed project leader : **Dr. Shogo Watanabe (swata@hytrec.jp) will be the convener of the new WG for this project.**

List of participating experts (give details below, or as a separate annex)

Please see expert list as separate annex.

Relevant documents (give details below, or as a separate annex)

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

Note: Selection of a development track will automatically associate default target dates with critical stages. If you envisage that you can advance a project quicker than the default target dates you may indicate your preferred earlier target dates in the field "Target date for submission'. ***Important!*** *Quoting earlier target dates implies a commitment to meeting these dates* ***If you do not want to change the defaults to earlier dates do not put anything in the "Target date for submission" fields.***

Secretariat	Secretary
SCC	Ferrero, Jim Mr.

Registration by the Central Secretariat

Date	Allocated project number
2013-10-25	ISO/NP 19375

☐ Other information, comments, etc. appended

Annex - Nominated Experts

Member Body	Expert
Argentina (IRAM)	Natalia Drault: ndrault@iram.org.ar Diego Goldín: diegogoldin@arnetbiz.com.ar
Canada (SCC)	Angela Das - email: Angela.Das@Powertechlabs.com
China (SAC)	Prof.Pan Xiangmin Tongji University
India (BIS)	Dr S S Thipse (E-mail: thipse.edl@araiindia.com)
Japan (JISC)	1. Mr. Kazuo KOSEKI email; koseki@fcdic.jp 2. Mr. Tsunenori OGASAWARA
Russian Federation (GOST R)	No coments
United Kingdom (BSI)	Dr Nick Hart - UK Expert
United States (ANSI)	Robert Boyd, Boyd Hydrogen, boyd.hydrogen@gmail.com; Jennifer Hamilton, CA Fuel Cell Partnership, JJHamilton@cafcp.org; Larry Moulthrop, Proton OnSite, LMoulthrop@protononsite.com; Glenn Scheffler, GWS Solutions of Tolland, gwssol@aol.com]]>

Report of voting

Ballot Information

Ballot reference	NWIP from Japan for Dispensers
Ballot type	NP
Ballot title	Gaseous hydrogen -- Fueling stations -- Dispensers
Opening date	2013-07-30
Closing date	2013-09-30
Note	

Member responses - Votes by members

Country (Member body)	Status*	1a. Agree to add to work programme							Market relevance	1b.Stakeholders consultation		2. Relevant documents		3. Comments		4. Participation	
		Yes				No		Abs		Yes	No	Yes	No	Yes	No	Yes	No
		20.00	20.20	30.00	40.00	PWI: Yes	PWI: No										
Argentina (IRAM)	P	X							X	X			X		X	X	
Brazil (ABNT)	P							X		X			X		X		X
Canada (SCC)	S	X							X	X			X		X	X	
China (SAC)	P	X							X	X		X			X	X	
Denmark (DS)	P							X		X			X		X		X
Egypt (EOS)	P							X			X		X		X		X
France (AFNOR)	P						X		X	X			X		X		X
India (BIS)	P	X							X	X			X		X	X	
Japan (JISC)	P	X							X	X			X		X	X	
Korea, Republic of (KATS)	P	X							X	X			X		X		X
Netherlands (NEN)	P							X			X		X		X		X
Norway (SN)	P							X		X			X		X		X
Russian Federation (GOST R)	P				X				X		X	X			X	X	
Spain (AENOR)	P							X		X			X		X		X
Sweden (SIS)	P	X							X	X			X		X		X
United Kingdom (BSI)	P	X							X	X			X		X	X	
United States (ANSI)	P	X							X	X		X			X	X	
Sub-Total Question 1a		9	0	0	1	0	1	6									
Totals		**10**				**1**		**6**	**11**	**14**	**3**	**3**	**14**	**0**	**17**	**8**	**9**

Member responses - Votes not cast (2)

Germany (DIN)

Italy (UNI)

Comments from voters		
Member	**Comment**	**Date**
Argentina (IRAM) **Santella, Mabel Mrs**	**Comment to Q.1:** Argentina considers that the standard is needed as part of the process to allow for fueling of hydrogen vehicles. The International Community is moving forward in this direction and the absence of an ISO standard would promote the adoption of non harmonized national standards that would damage international trade. **Comment to Q.7:** Natalia Drault: ndrault@iram.org.ar Diego Goldín: diegogoldin@arnetbiz.com.ar	2013-09-27
Canada (SCC) **Grant, Ginette Ms.**	**Comment to Q.1:** Canada agrees with this and all of the component NWIPs that were discussed at the last TC 197 meeting in Montreal last February. **Comment to Q.7:** Angela Das - email: Angela.Das@Powertechlabs.com	2013-09-30
China (SAC) **Wang, Geng**	**Comment to Q.1:** Hydrogen dispenser is an important component for the hydrogen fueling station. In many countries the related applications are comstructed and used. It is necessary to develop the related standard due to the specific characteristic of hydrogen concerning the safety and performance issues. However, since the regulation in different countries and regions are different, eg. the applied pressure range, it is suggested that the document could be developped in considering different applied conditions, **Comment to Q.5:** China is developping a national standard related to hydrogen dispensers, now the document is in the final draft stage compareing with ISO system, it will promugated at the end of this year. **Comment to Q.7:** Prof.Pan Xiangmin Tongji University panxiangmin@tongji.edu.cn	2013-09-21
France (AFNOR) **Solbes, Frédéric M.**	**Comment to Q.1:** - As a matter of fact, the dispenser can't be considered as a standalone equipment but truly as an integrated part of the station. - In addition performance tests are not specifically dedicated to the dispenser but definitely to the whole station. - We recommend not to split the fuelling stations into too many specific standards, and we would prefer in priority a global approach as a first step - Availability of experts will be limited in case of too many on-going WGs.	2013-09-30
India (BIS) **jha, R.K Dr**	**Comment to Q.1:** The NWIP is approved. **Comment to Q.7:** Dr S S Thipse (	2013-09-27

Comments from voters		
Member	**Comment**	**Date**
India (BIS) **jha, R.K Dr**	E-mail: thipse.edl@araiindia.com)	2013-09-27
Japan (JISC) **Miyashita, Osamu Mr**	**Comment to Q.1:** We (Japan) approve this NWIP. **Comment to Q.7:** 1. Mr. Kazuo KOSEKI email; koseki@fcdic.jp 2. Mr. Tsunenori OGASAWARA ogasawara@tokicotechno.co.jp 3. Mr. Kiyoshi KIMURA kiyoshi_kimura@tatsuno.co.jp 4. Mr. Osamu WATANABE o-watanabe@kitz.co.jp 5. Ms. Yuko YASUTAKE yuko@aejapan.com	2013-09-13
Korea, Republic of (KATS) **Lee, Yeon Berm**	**Comment to Q.1:** KATS approves on this NWIP because of its market relevance.	2013-09-03
Russian Federation (GOST R) **Ramenskiy, Alexandr Mr.**	**Comment to Q.1:** No coments **Comment to Q.5:** No coments **Comment to Q.7:** No coments	2013-07-31
Sweden (SIS) **Koningen, Annika Ms**	**Comment to Q.1:** It is for both safety and market reasons important to ensure that dispenser systems function in a uniform manner.	2013-09-26
United Kingdom (BSI) **Duncombe, Charlie Mr.**	**Comment to Q.1:** Fuel cell vehicles fueled by hydrogen are either currently being commercialized or on the verge of commercialization in many countries. Along with this trend, many hydrogen fueling stations are being constructed in such countries. These stations are equipped with hydrogen dispensers which dispense gaseous hydrogen directly into the on-board fuel storage container with the maximum pressure of 70 MPa. However, there is so far no international standard available for hydrogen dispensers at a 70 MPa level. To promote the construction of hydrogen fueling stations worldwide in conjunction with the global dissemination of fuel cell vehicles, it is essential to prepare an international standard for hydrogen dispensers. Thus the purpose of this standard is to establish internationally standardized requirements and test methods for the safety and performance of hydrogen dispensers. This standard will facilitate trade in hydrogen dispensers that comply with safety and performance requirements, and as a result, promote the construction of hydrogen fueling stations worldwide. This standard is to be used by manufacturers of hydrogen dispensers and/or those who evaluate them for certification purposes. **Comment to Q.7:** Dr Nick Hart - UK Expert Mr C Duncombe - Observer Both Dr Hart and Mr Duncombe are already registered in the ISO Global Directory	2013-09-03
United States (ANSI) **Team, ANSI ISO**	**Comment to Q.1:** This standard could provide a set of international requirements that can be used to evaluate	2013-09-26

Comments from voters		
Member	**Comment**	**Date**
United States (ANSI) **Team, ANSI ISO**	hydrogen dispensers. Currently there is no international standard available for these devices, although these complicated assemblies are being used in the field. **Comment to Q.5:** **CSA HGV4.1,Standard for Hydrogen dispensing systems; CSA HGV4.3, Test methods for hydrogen fueling parameter evaluation; NFPA 2, Hydrogen Technologies Code; SAE J-2601 , Fueling Protocols for Light Duty Gaseous Hydrogen Surface Vehicles; SAE J2601/2, Fueling Protocols for Heavy Duty Gaseous Hydrogen Surface Vehicles; SAE J2601/3, Fueling Protocol for Gaseous Hydrogen Powered Industrial Trucks; SAE J2600, Compressed Hydrogen Surface Vehicle Fueling Connection Devices; SAE J2719, Hydrogen Fuel Quality for Fuel Cell Vehicles** **Comment to Q.7:** Robert Boyd, Boyd Hydrogen, boyd.hydrogen@gmail.com; Jennifer Hamilton, CA Fuel Cell Partnership, JJHamilton@cafcp.org; Larry Moulthrop, Proton OnSite, LMoulthrop@protononsite.com; Glenn Scheffler, GWS Solutions of Tolland, gwssol@aol.com	2013-09-26

Comments from commenters		
Member	**Comment**	**Date**
Jamaica (BSJ) **Williams, Ester Ms.**	Jamaica abstains.	2013-09-26
Sri Lanka (SLSI) **Sirikumara, Jayantha Mr**	Yes , We accept it	2013-09-24