



ISO/TC 197
Hydrogen technologies

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Report WG28 JARI Tomioka 2015-12 ver06

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Background: This is a presentation from the 2015 plenary meeting in California.

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

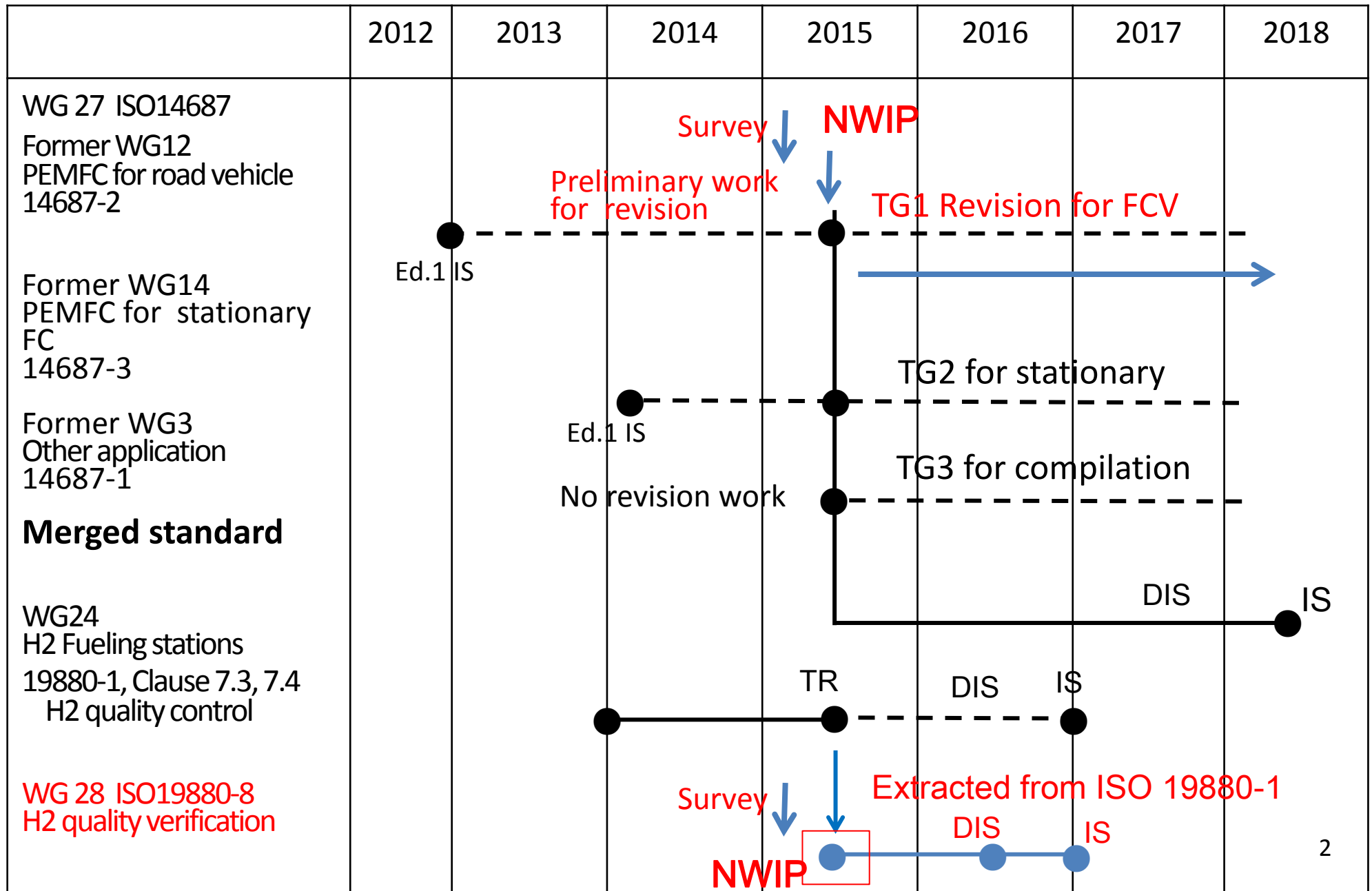


The report of
ISO/TC197/WG28
H₂ Quality Control

Dec. 3, 2015

Hidenori Tomioka, JISC
WG28 Convener

Schedule for developing H2 quality standards





The status of ISO/TC 197/WG 28

ISO/TC 197/WG 28: Hydrogen quality control

initiated on October 15, 2015

Convener: Hidenori TOMIOKA: JISC (Japan)

Secretary: Spencer Quong: ANSI (to be nominated)

ISO/AWI 19880-8: (20:00)

Gaseous hydrogen — Fueling stations — Part 8: Hydrogen quality control

Participation: CA, CN, DE, FR, JP, KR, NL, GB, US

The scope of ISO 19880-8:

This International standard specifies the protocol for ensuring the quality of the gaseous hydrogen quality at hydrogen distribution bases and hydrogen fuelling stations for PEM fuel cells for road vehicles.



The Milestone for ISO 19880-8

Target dates

NP Closed 2015-09-30 Result: Affirmative 11, Negative 0
Participation: 9 CA, CN, DE, FR, JP, KR, NL, GB, US

2015-10-15: New project registered

WD is going to be edited to prepare more mature draft.

2015-02-29 (TBD): Finish CD (CD circulation starts for 2 mon.)

2016-05-15: CD circulation closed

2016-06-30: DIS registered (2mon. Translation), 3 mon. vote

2016-11-30: FDIS Skipped (if it is possible)

2016-12-31: IS

Official Target dates

2016-10-15: DIS registration

2017-10-15: Publication



The Milestone for ISO 19880-8

Items expected to be done at the each meeting

2015-10-29: Adhoc in Tokyo, Japan

Concensus on the schedule and WD to be registered

2015-12-02: in Torrance CA, USA

Review the schedule and action plan

2016-02-22, 23: in Fukuoka, Japan (1.5 days)

Finish the preparation for CD to be registered

2016-04-18, 19 (TBD): in CA, USA (CaFCP/ CARB/ ARB, TBC)

Review the CD

2016-06-xx (TBD): in Munich, Germany (TBD)

Comment review of the CD

2016-09-xx: TBD

Comments review on the DIS voting

Concern: The time frame is shorter that the accelerated time frame. The defficiencies to make up the consensus among stakeholders are expected.



Some concerns for WG28 to develop ISO19880-8

1. Short time frame.
Need to concentrate in what we need to focus.
2. How WG28 will proceed the document stage.
WD, CD, DIS, FDIS
3. Particulate matter vs. Filter
ISO 14687-2, ISO19880-1, ISO19880-8



Clarification of WG responsibilities

Trilateral structure of H2 Quality for FCV

- ✓ WG 27: Threshold Specification, discussed in ISO14687.
- ✓ WG 28: Hydrogen Quality Control, discussed in 19880-8
- ✓ Analysis methods for each constituent for FCV are discussed in ISO/TC158 (Gas Analysis)



The convener's expectation on a proceeding of WG28

1. The first edition of ISO19880-8 is aiming to achieve the H₂ specification of ISO14687-2: 2012.

WG28 does not touch specification for this time frame.

2. WG 27 will take care the H₂ specification for FCV separately and in parallel.
3. WG 28 will revise ISO19880-8 1st edition after 14687 publication if it is needed.