



ISO/TC 197
Hydrogen technologies

Email of secretary: jim.ferrero@bnq.qc.ca
Secretariat: SCC (Canada)

ISO TC197 WG 28 Report 2016-12

Document type: Other meeting document

Date of document: 2017-11-26

Expected action: INFO

Background: Document from the 2016 plenary.

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

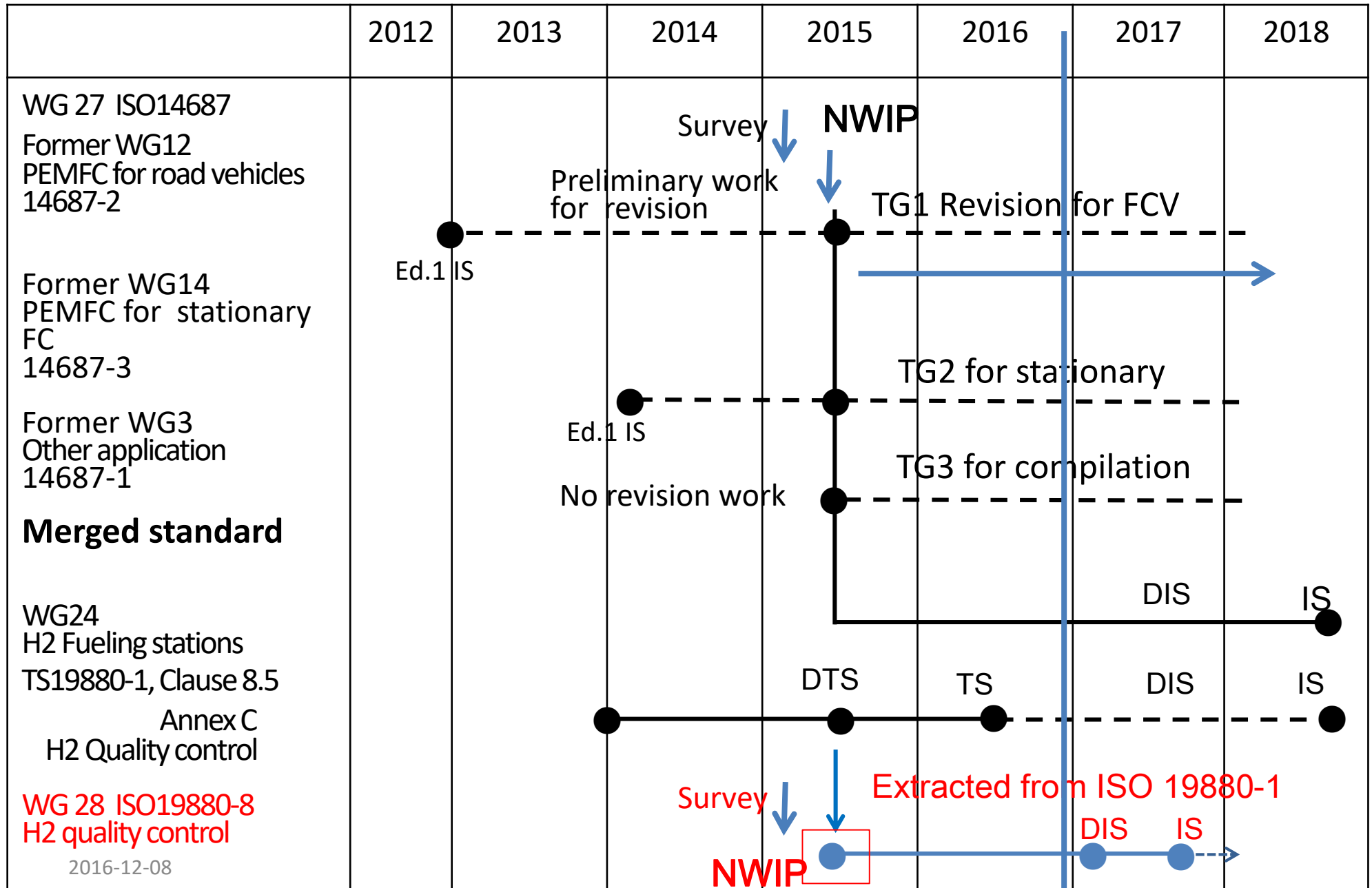


ISO/TC197/WG28 H₂ Quality Control

December 8, 2016

Hidenori TOMIOKA, JISC
WG28 Convener

Schedule for developing H2 quality standards





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 (US)

ISO/CD 19880-8: (30:60)

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

Participation: CA, CN, DE, FR, JP, KR, NL, GB, UK, 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.



Milestones 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**

CD Closed 2016-05 **Result: Affirmative 7, Abstain 6, Negative 0**

2015-10: New project registered

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

2016-03: CD circulation started

2016-05: CD circulation closed and approved

2016-09: Pre-DIS draft circulated

2017-01: DIS registered (2mon. Translation), 3 mon. vote

2017-05: FDIS skipped (if it is possible)

2018-01 (2017-10): IS publication



Milestones for ISO 19880-8

Items expected to be done at the each meeting

2016-02: Fukuoka, Japan (1.5 days) Finish the preparation for CD

2016-04: Sacramento, USA—Review the draft CD

2016-06: Munich, Germany—Comment review of the CD
-- Finished the review of whole CD comments
-- Reached the consensus on the risk assessment issues and the contents of the draft for DIS.

2016-09: Pre-DIS draft circulated

2016-12: Web-meeting to discuss pre-DIS comments

2017-05: Seoul, Korea (TBD) to discuss DIS comments

2017-11: China (TBD)

**Concern: The schedule is behind by 4 - 5 months. Acceleration needed.
— Need a target dates change?**



Clarification of WGs' responsibilities

Trilateral structure of H2 Quality for FCV

- ✓ WG 27: Threshold Specification, discussed in ISO1468-7.
- ✓ WG 28: Hydrogen Quality Control, discussed in 19880-8
- ✓ ISO/TC 158/JWG 7: Analysis methods of Hydrogen for PEM FCV application, discussed in ISO 21087 (Hydrogen fuel - Analytical methods - Proton exchange membrane (PEM) fuel cell applications for road vehicles)



Convener's expectation on the proceeding of WG28

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

WG28 does not touch the specification for this time frame.

2. WG 27 will take care of H₂ specification for FCVs separately and in parallel.
3. WG 28 will revise ISO19880-8 1st edition after 14687 publication if necessary.