



ISO/TC 197  
Hydrogen technologies

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Secretariat: SCC (Canada)

**N697 NWIP Hydrogen quality control r1**

Document type: NP ballot

Date of document: 2015-07-21

Expected action: VOTE

Action due date: 2015-09-30

Background: This is the NWIP from Japan for the development of the standard  
ISO 19880-8 *Gaseous hydrogen – Fueling stations – Hydrogen quality control*.

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



## Form 4: New Work Item Proposal

Circulation date: 2015-07-21 Closing date for voting: 2015-09-30	Reference number: <b>N 697</b>
Proposer Japan	<b>ISO/TC 197</b>
Secretariat Canada/SCC/BNQ	

A proposal for a new work item within the scope of an existing committee shall be submitted to the secretariat of that committee with a copy to the Central Secretariat and, in the case of a subcommittee, a copy to the secretariat of the parent technical committee. Proposals not within the scope of an existing committee shall be submitted to the secretariat of the ISO Technical Management Board.

The proposer of a new work item may be a member body of ISO, the secretariat itself, another technical committee or subcommittee, an organization in liaison, the Technical Management Board or one of the advisory groups, or the Secretary-General.

The proposal will be circulated to the P-members of the technical committee or subcommittee for voting, and to the O-members for information.

**IMPORTANT NOTE: Proposals without adequate justification risk rejection or referral to originator.**

Guidelines for proposing and justifying a new work item are contained in [Annex C of the ISO/IEC Directives, Part 1](#).

The proposer has considered the guidance given in the [Annex C](#) during the preparation of the NWIP.

### **Proposal** (to be completed by the proposer)

**Title of the proposed deliverable.**

**English title:**

ISO19880-8 Gaseous hydrogen – Fueling stations – Hydrogen quality control

**French title (if available):**

[Click here to enter text.](#)

*(In the case of an amendment, revision or a new part of an existing document, show the reference number and current title)*

<p><b>Scope of the proposed deliverable.</b></p> <p>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.</p>
<p><b>Purpose and justification of the proposal*</b></p> <p>This NWIP aims to propose reasonable and affordable methods and procedures for hydrogen quality control at hydrogen distribution facilities in order to comply hydrogen quality required by ISO 14687-2 for permeating commercialized FCVs and hydrogen infrastructure in the market.</p> <p><i>Consider the following: Is there a verified market need for the proposal? What problem does this standard solve? What value will the document bring to end-users? See Annex C of the ISO/IEC Directives part 1 for more information.</i></p> <p><i>See the following guidance on justification statements on ISO Connect:  <a href="https://connect.iso.org/pages/viewpage.action?pageId=27590861">https://connect.iso.org/pages/viewpage.action?pageId=27590861</a></i></p>
<p><b>Preparatory work</b> (at a minimum an outline should be included with the proposal)</p> <p><input checked="" type="checkbox"/> A draft is attached      <input type="checkbox"/> An outline is attached      <input type="checkbox"/> An existing document to serve as initial basis</p> <p>The proposer or the proposer's organization is prepared to undertake the preparatory work required:</p> <p><input checked="" type="checkbox"/> Yes      <input type="checkbox"/> No</p>
<p><b>If a draft is attached to this proposal,:</b></p> <p>Please select from one of the following options (note that if no option is selected, the default will be the first option):</p> <p><input type="checkbox"/> Draft document will be registered as new project in the committee's work programme (stage 20.00)</p> <p><input checked="" type="checkbox"/> Draft document can be registered as a Working Draft (WD – stage 20.20)</p> <p><input type="checkbox"/> Draft document can be registered as a Committee Draft (CD – stage 30.00)</p> <p><input type="checkbox"/> Draft document can be registered as a Draft International Standard (DIS – stage 40.00)</p>
<p><b>Is this a Management Systems Standard (MSS)?</b></p> <p><input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</p> <p>NOTE: if Yes, the NWIP along with the <u>Justification study</u> (see <a href="#">Annex SL</a> of the Consolidated ISO Supplement) must be sent to the MSS Task Force secretariat (<a href="mailto:tmb@iso.org">tmb@iso.org</a>) for approval before the NWIP ballot can be launched.</p>
<p><b>Indication(s) of the preferred type or types of deliverable(s) to be produced under the proposal.</b></p> <p><input checked="" type="checkbox"/> International Standard      <input type="checkbox"/> Technical Specification</p> <p><input type="checkbox"/> Publicly Available Specification      <input type="checkbox"/> Technical Report</p>
<p><b>Proposed development track</b></p> <p><input checked="" type="checkbox"/> 1 (24 months)      <input type="checkbox"/> 2 (36 months - default)      <input type="checkbox"/> 3 (48 months)</p> <p><b>Note: Good project management is essential to meeting deadlines. A committee may be granted only one extension of up to 9 months for the total project duration (to be approved by the ISO/TMB).</b></p>

<p><b>Known patented items (see ISO/IEC Directives, Part 1 for important guidance)</b></p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If "Yes", provide full information as annex</p>	
<p><b>Co-ordination of work:</b> To the best of your knowledge, has this or a similar proposal been submitted to another standards development organization?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If "Yes", please specify which one(s):</p> <p><a href="#">Click here to enter text.</a></p>	
<p><b>A statement from the proposer as to how the proposed work may relate to or impact on existing work, especially existing ISO and IEC deliverables. The proposer should explain how the work differs from apparently similar work, or explain how duplication and conflict will be minimized.</b></p> <p>This NWIP closely relates to existing standard, ISO 14687-2 "Hydrogen fuel — Product Specification — Part 2: Proton exchange membrane (PEM) fuel cell applications for road vehicles". This NWIP will show how to guarantee the hydrogen quality given in the ISO 14687-2.</p>	
<p><b>A listing of relevant existing documents at the international, regional and national levels.</b></p> <p>ISO 14687-2</p>	
<p><b>A simple and concise statement identifying and describing relevant affected stakeholder categories (including small and medium sized enterprises) and how they will each benefit from or be impacted by the proposed deliverable(s)</b></p> <p>The stakeholders expected to benefit from the proposed standard include hydrogen production industries, hydrogen distribution industries including hydrogen fueling station contractors and operators, and automotive manufacturers.</p>	
<p><b>Liaisons:</b></p> <p>A listing of relevant external international organizations or internal parties (other ISO and/or IEC committees) to be engaged as liaisons in the development of the deliverable(s).</p> <p>ISO/TC 158</p>	<p><b>Joint/parallel work:</b></p> <p><b>Possible joint/parallel work with:</b></p> <p><input type="checkbox"/> IEC (please specify committee ID)</p> <p><a href="#">Click here to enter text.</a></p> <p><input checked="" type="checkbox"/> CEN (please specify committee ID)</p> <p>TC 268/WG 5(Hydrogen Technologies Applications)</p> <p><input type="checkbox"/> Other (please specify)</p> <p><a href="#">Click here to enter text.</a></p>
<p><b>A listing of relevant countries which are not already P-members of the committee.</b></p> <p><a href="#">Click here to enter text.</a></p> <p>Note: The committee secretary shall distribute this NWIP to the countries listed above to see if they wish to participate in this work</p>	

<p><b>Proposed Project Leader</b> (name and e-mail address)  Hidenori Tomioka  htomioka@jari.or.jp</p>	<p><b>Name of the Proposer</b>  (include contact information)  Mr. Osamu Miyashita  Engineering Advancement Association of Japan (ENAA)  Email: miyashita@ena.or.jp</p>
<p><b>This proposal will be developed by:</b></p> <p><input type="checkbox"/> An existing Working Group (please specify which one: <a href="#">Click here to enter text.</a>)</p> <p><input checked="" type="checkbox"/> A new Working Group (title: Hydrogen quality control)  (Note: establishment of a new WG must be approved by committee resolution)</p> <p><input type="checkbox"/> The TC/SC directly</p> <p><input type="checkbox"/> To be determined</p>	
<p><b>Supplementary information relating to the proposal</b></p> <p><input type="checkbox"/> This proposal relates to a new ISO document;</p> <p><input checked="" type="checkbox"/> This proposal relates to the adoption as an active project of an item currently registered as a Preliminary Work Item;</p> <p><input type="checkbox"/> This proposal relates to the re-establishment of a cancelled project as an active project.</p> <p>Other:  <a href="#">Click here to enter text.</a></p>	
<p><input checked="" type="checkbox"/> Annex(es) are included with this proposal (give details)  Working draft (WD)</p>	