



ISO/TC 197
Hydrogen technologies

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Expert Invitation H2@Market ver 4

Replaces: N 1032

Document type: Public document

Date of document: 2018-11-19

Expected action: INFO

Background: Here is the updated Strategic Planning Meeting agenda.

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

November 16, 2018

Strategic Planning Meeting

“H2@Market: FCEV - H2 Station Interface: Interoperability, Regulations, Certification”

Dear Hydrogen Expert:

The ISO Technical Committee on Hydrogen Technologies, ISO/TC 197, and the Regulations, Codes & Standards and Safety Working Group (RCSS WG) of the International Partnership for Hydrogen and Fuel Cells in the Economy (IPHE) are organizing a one-day Strategic Planning Meeting on **December 5, 2018** in the framework of strategic collaboration on international standardization. The Strategic Planning Meeting hosted by the CSA Group will benefit from the presence of a number of ISO/TC 197 experts who will be meeting at the same venue in the same week.

It gives us great pleasure to invite you to this Strategic Planning Meeting, which will focus on three key elements of hydrogen FCEVs and stations deployment in global markets specifically related to FCEV – H2 Station interface:

- Interoperability of H₂ station controls and dispensing protocol with an FCEV, including risk / safety aspects;
- Regulations (global and local) related to such interface and interoperability; and
- Certification, field evaluation, fuel quality, weight & measures of H₂ station to meet regulatory and C&S requirements.

For the Strategic Planning Meeting we are targeting participation by stakeholders from the industry, research, standardization and policy communities. For the interactive sessions we asked each Panelist to answer the following four questions, which should help in the subsequent discussion to identify gaps and barriers as well as the need for and potential steps towards global standardization of requirements:

1. What has been achieved in the last three to four years?
2. What is planned for near term (work-in-progress)?
3. What are the gaps that need to be filled from standardization / regulatory stand points?
4. Is a global standardization effort needed and if yes, who should lead it and how should it be implemented (mechanism / standardization framework)?

We hope you will accept our invitation to contribute to this important Strategic Planning Meeting and **are looking forward to receiving confirmation of your participation by registering at the CSA Group site** – https://csagroup.formstack.com/forms/plenary_iso_tc_197_meeting_and_working_groups.

Please note that while this letter is an official invitation, it does not oblige the organizers and host of this Strategic Planning Meeting to fund any travel or any other costs related to your attendance.

Sincerely,



Dr. Andrei V. Tchouvelev,
Chair, ISO/TC 197



Dr. Jay O. Keller,
Co-Chair, IPHE RCSS WG



Brent Hartman,
Host, CSA Group



Draft Agenda

Strategic Planning Meeting

“H2@Market: FCEV - H2 Station Interface: Interoperability, Regulations, Certification”

December 5, 2018, Vancouver Marriott Pinnacle Downtown, Pinnacle III

Opening (Andrei V. Tchouvelev, Jay O. Keller and Brent Hartman)	09:00 – 09:10
<ul style="list-style-type: none">- Welcome and introductions- Practical information	
Stage Setting / SPM Objectives (Andrei V. Tchouvelev)	09:10 – 09:30
Moderator of “Interoperability” Jay O. Keller	
Panelists’ presentations on Interoperability	09:30 (25 min each)
<ul style="list-style-type: none">- Air Liquide (Guy de Real)- Shell (Paul Karzel)- ITM (Nick Hart)	
Coffee break	10:45 – 11:15
<ul style="list-style-type: none">- SAE Interface Task Force (Steve Mathison)	
Panel Discussion: next steps and key actors	11:40 – 12:00
Moderator of “Regulations” Andrei V. Tchouvelev	
Panelists’ presentations on Regulations	12:00 (25 min each)
<ul style="list-style-type: none">- SAE Safety Task Force (Glenn Scheffler)- China High Pressure Vessels for HRS (Jinyang Zheng)	
Lunch Buffet @ Shaughnessy Salon	12:50 – 13:50
<ul style="list-style-type: none">- Canada Permitting Guide for HRS (Andrei V. Tchouvelev)- HYSUT, Japan (Tetsufumi Ikeda-san)	
Panel Discussion: next steps and key actors	14:40 – 15:00



Draft Agenda (cont.)

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Moderator of “Certification” Brent Hartman

Panelists’ presentations on Station Certification / Field Evaluation / Fuel Quality / Weights & Measures	15:00 (25 min each)
<ul style="list-style-type: none">- CSA Group (Craig Webster)- MetroHyVe EMPIR Project (Evelien Korbee, NEN)	
Coffee break	15:50 – 16:20
<ul style="list-style-type: none">- HYSUT, Japan (Hidenori Tomioka-san)- NIST / CaFCP (Jay O. Keller)	
Panel Discussion: next steps and key actors	17:10 – 17:30
Summary and conclusions (Andrei V. Tchouvelev, Jay O. Keller, Brent Hartman)	17:30 – 17:45