



ISO/TC 197
Hydrogen technologies

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

Participant invitation ISO-JRC Strategic Planning Meeting

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Background: Here is the invitation and information for the **ISO-JRC Strategic Planning Meeting "H2@ Market: Multi-fuel Stations and Power to Large Scale Hydrogen"**.

All participants should complete the [Registration Form N 783](#) and submit it to JRC by November 16th, 2016.

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

October 25, 2016

ISO-JRC Strategic Planning Meeting

“H2@Market: Multi-fuel Stations and Power to Large Scale Hydrogen”

Dear Hydrogen Expert:

The ISO Technical Committee on Hydrogen Technologies, ISO/TC 197, and the Energy, Transport and Climate Directorate of the Joint Research Centre of the European Commission are organizing a one-day Strategic Planning Meeting on **December 7, 2016** in the framework of strategic collaboration on international standardization. The Strategic Planning Meeting 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 two key elements of hydrogen technology deployment in global markets:

- Integration of H₂ dispensing into a multi-fuel service station environment,
- Power to Large Scale Hydrogen, in view of the launch of the US DOE “Big Idea” H2@Scale and of a number of ongoing demonstration projects in Europe

For the Strategic Planning Meeting we are targeting participation by stakeholders from the industry, research, standardization and policy communities. For the interactive session dealing with each of the topics, we asked each Panelist to answer the following four questions, which should help in the subsequent discussion to identify gaps and barriers associated with introduction of these technologies into global markets, 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)?

The Strategic Planning Meeting will conclude with a discussion on how to frame and identify topics for international cooperation in the pre-normative and standardization fields related to both topics.

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 email to the following address:

JRC-PTT-ISO-TC197@ec.europa.eu

Please note that while this letter is an official invitation, it does not oblige the organizers 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. Marc Steen,
Head of Unit, JRC-C1 Energy Storage

Draft Agenda

ISO-JRC Strategic Planning Meeting

“H2@Market: Multi-fuel Stations and Power to Large Scale Hydrogen”

December 7, 2016, Egmond aan Zee, the Netherlands

Morning Session (9:00 – 12:30)

Introduction (Marc Steen and Andrei V. Tchouvelev) 09:00 – 09:15

- Welcome and introductions
- Objectives of Strategic Planning Meeting
- Practical information

Topic “Multi-fuel Stations” (Chair Andrei V. Tchouvelev)

Stage Setting (Andrei V. Tchouvelev) 09:15 – 09:30

Panelists’ presentations on deployment experience 09:30 – 10:30

- Japan (Ikeda, HySUT)
- China (Mao, China H2 & FC Association)
- USA (Keller / James, H2USA)

Coffee break 10:30 – 11:00

Panelists’ presentations on deployment experience 11:00 – 12:00

- Germany (Bonhoff, NOW)
- France (de Real, Air Liquide)
- UK (Hart, ITM)

Panel Discussion: next steps and key actors 12:00 – 12:30

Lunch 12:30 – 13:30

Afternoon Session (13:30 – 17:00)

Topic “Power to Large Scale Hydrogen” (Chair Marc Steen)

Stage Setting (Marc Steen) 13:30 – 13:45

Panelists’ presentations on regional initiatives 13:45 – 15:00

- CEN SFEM WG H2 overview (Weidner, JRC)
- Power to Hydrogen (Newton, ITM)
- Gas Networks Integration (Judd, GERG)
- H2@Scale (Keller / James, US DOE)

Panel Discussion: next steps and key actors 15:00 – 15:30

Coffee break 15:30 – 16:00

Summary and conclusions session (Chair Marc Steen) 16:00 – 17:00

Panel Discussion on international standardization framework and PNR: next steps and key actors

- ISO/TC 197
- CEN/CLC TC 6
- CEN/TC 268/ WG5
- CEN SFEM WG H2
- US DOE / H2@Scale
- FCH2 JU
- EC/JRC