

Wednesday, December 7th, 2011
TIME: 3:00 – 4:30 pm (Eastern Daylight Time)
CALL-IN NUMBER: 866.762.9101 Access Code 7257657#
International Call-In Number 1-203-480-6527

1 Welcome and agenda additions

2 Review of or corrections to November draft minutes

The draft minutes were approved with the corrections that were already made.

3 DOE/HQ Update

Antonio Ruiz

Will James provided an update:

- Submission of Phase I of the Global Technical Regulation taking place in Geneva, Switzerland on December 6th and 7th
- The ISO TC Plenary will take place in Beijing, China on December 15th.
- Budget Request is \$100M, Senate mark is currently \$98M (\$3M for market transformation) and \$91M from House.
- Continue Resolution has been extended to December 16th
- Responsibility of subcontracts is in the process of being moved and the process is starting slowly with hopes to have everything worked out in the next few months
- Jay Keller is attending an IA Hysafe meeting (Netherlands). He will report on a successful ICHS meeting where we had nearly 200 participants and 29 countries.

4 C&S Events and Fuel Cell Safety Information

http://www.fuelcellstandards.com/calendar_new.html
<http://www.hydrogenandfuelcellsafety.info/>
<http://www.h2incidents.org/>

Kelvin Hecht
Karen Hall
Steve Weiner/Linda Fassbender

5 Discussion Topics

Certification of Hydrogen Dispensing Stations

Robert Wichert

Robert proposed the invitation of vendors to the next meeting to discuss how they plan to move to listing and labeling for hoses, breakaways, and connection devices. Steve Weiner noted that we should consider a webinar for this type of presentation. Also, he suggested that perhaps more than one presentation be included in the future meetings. Robert will coordinate with industry to see if they can attend the January meeting.

OSHA Hydrogen Requirement Harmonization

HIPOC has not taken any actions on this subject since it was introduced. Carl Rivkin is working with Antonio on an approach to update the OSHA regulation. We will ask for a detailed update in January.

Hydrogen Fuel Quality and Measurement

ISO DIS 14687-2

Jim Ohi

The convener submitted the FDIS to the secretariat on November 18th. There will be an update given at the TC 197 Plenary meeting in China.

The working group will be participating in a collaborative paper with the EC that outlines the regulatory specification of fuel quality with the goal of documenting the technical basis for the specifications.

NIST

Juana Williams & Marc Buttler

(1) U.S. Weights and Measures Standards Development Process

Fuel Quality Regulation

The U.S. National Work Group (USNWG) for the Development of Commercial Hydrogen Measurement Standards was balloted on November 29th for approval of its October 2012 recommendation for the weights and measures community to adopt in July 2012: (1) the most recent version of SAE Standard J2719 “Hydrogen Fuel Quality for Fuel Cell Vehicles” as the fuel quality standard for hydrogen and (2) a corresponding proposal of definitions for the hydrogen-related terms of *fuel cell*, *hydrogen fuel*, and *internal combustion engine*. The deadline for return of the ballots to the USNWG FSS Technical Advisor is **December 16, 2011**.

National Hearings

A notice will be placed in the Federal Register regarding the January 23, 2012 National Conference on Weights and Measures (NCWM) hearings on the hydrogen fuel quality proposal before the national weights and measures community. The USNWG will also prepare an announcement that encourages stakeholders to provide input on both proposals either in advance of the NCWM 97th Interim Meeting in New Orleans or in person during the hearing session. The notice will include contact information for the NCWM Committee Chair responsible for the fuel quality proposal and definitions.

Sandia National Lab

Dan Dedrick provided an update. A fault tree model has been developed to inform the indoor fueling protocol. SNL is working with Jian Jun Ye at Zhe Jiang University on fast fill modeling and validating the model.

Tank testing data has been provided to ASME for tank standards. The predictions using regular computation methods were resulting in conservative estimates. The next step will be to determine how to incorporate the data into the standards. Phase II test planning is beginning now. Please contact Dan if you are interested in participating in Phase II.

6 Codes and Standards Organization Updates

ISO TC 197

US Tag will be having a preparation call this Friday for the meeting in China next week. Please email Jill Thompson for information.

IEC TC 105 - Kelvin Hecht

- WG#3 (IEC 62282-3-100 – *Stationary Fuel Cells - Safety*)
 - FDIS posted. Vote to USTAG by December 21, 2011.
- WG#10 (IEC 62282-6-300 Ed. 2 – *Micro Fuel Cells – Interchangeability*)

- CDV posted. Comments to USTAG by March 23, 2012.
- WG#11 (IEC 62282-7-2 – *Single Cell/Stack Performance Test Methods for Solid Oxide Fuel Cells*)
 - CD posted. Comments to USTAG by January 12, 2012.
- WG#12 (IEC 62282-3-400) – *Small Stationary Fuel Cells with Combined Heat and Power Output*
 - New working group, number and title
- TC105 Plenary Meeting November 21-22 in Cairo, Egypt
 - Teleconference to be held for USTAG to review decisions taken.
 - New convener for WG#6 (Forklifts) may be required.

CSA

Bob Boyd noted the draft of 4.3 is out for technical review. A number of comments have been received and they are hopeful to get the IR out the first part of January. A status on certification standards will be requested for next month's meeting.

7 Open Discussion & Other Issues

Next meeting will be held January 4th, 2012. It will include a webinar to accommodate vendor presentations on listing and labeling to be arranged by Robert Wichert. Karen Hall will host the webinar, and FCHEA staff will arrange the webinar and take the minutes. Chad Blake will generate the agenda and send out the announcements.