

**National Hydrogen and Fuel Cell Codes and Standards Coordinating Committee  
(NHFCCSCC)**

**Wednesday, October 30, 2013**

**DRAFT Minutes**

**Attendees**

**Aaron Harris  
Bill Collins  
Bob Boyd  
Bob Davidson  
Connor Dolan  
Jay Keller  
Jennifer Hamilton**

**Jesse Schneider  
Julie Weis  
Karen Hall  
Kelvin Hecht  
Ken Loewenthal  
Livio Gamboni  
Mike Steele**

**Nick Barilo  
Spencer Quong  
Steve Tucky  
Tony Androsky  
Will James**

**1 Welcome and Housekeeping Items**

Review of anti-trust guidelines

[http://www.fchea.org/core/import/PDFs/ANTITRUST\\_GUIDELINES.pdf](http://www.fchea.org/core/import/PDFs/ANTITRUST_GUIDELINES.pdf)

Meeting agenda approved.

October 2 draft minutes approved.

**2 DOE/HQ Update**

**Will James**

Not much new since last meeting. Open to questions. Realignment underway. Office of Transportation (will be under EERE umbrella) looking for Deputy Assistant Secretary. Will be coupled under that office along with Biomass and the Vehicle Technologies Program.

**3 C&S Events and Fuel Cell Safety Information**

[http://www.fuelcellstandards.com/calendar\\_new.html](http://www.fuelcellstandards.com/calendar_new.html)

**Kelvin Hecht**

<http://www.hydrogenandfuelcellsafety.info/meetings.asp>

**Karen Hall**

**4 Codes and Standards Organization Updates**

**IEC TC 105**

**Kelvin Hecht**

**No changes from last time – big event next week in Frankfurt – full report next month on what happened.**

**ISO TC 197**

**Jill Thompson**

1<sup>st</sup> week December and Plenary meeting – 10 WGs to meet. WG 18 hydrogen fueling talks and pressure relief devices – Livio Gambone to convene. Jesse reiterated Dec 4 meeting on NWIP

on Hydrogen Fueling Stations. Either kick-off of new WG if approved or ad-hoc if not approved. US TAG meeting Nov 25<sup>th</sup>.

## **NFPA 2**

**Martin Gresho**

Coordination with NFPA 55 likely to result in cycle change – 1<sup>st</sup> draft will be considered “open” until a webinar to address NFPA 55 issues. Bob Davidson noted NFPA 1 was considering dropping references to NFPA 2 and leaving NFPA 55. Asked to hold off.

## **NFPA 853**

**Karen Hall**

First draft is posted, will be a Fall 2014 edition. Closing date to submit public comments will be due on November 16<sup>th</sup>. Paper comments were due by October 11<sup>th</sup>.

## **ICC**

**Robert Sale**

Bob Davidson – Final Action Hearings 2 weeks ago in Atlantic City. Spencer Quong’s proposal to allow for servicing of motor vehicles for less than 200 cubic feet without special sensors was approved. Mid next year books may be published. Bob will bring the hydrogen related changes in an unofficial document to show us what the language will look like.

## **CSA**

**Julie Weis**



CSA Group Update  
(2013.10.29).pdf

## **HDTA Status Update**

**Ken Loewenthal**



Mobile HDTA

Package to be ready by end of June 2014. Validation should not take very long. Before Oct 2014 to be validated against SAE J2601. California DMS should be contacted when a firm date is available.

## **UL**

**Laurie Florence**

No report at this time.

## **SAE**

**Mike Steele  
Jesse Schneider**



SAE FCSC 2013\_doc  
status.pdf

SAE J2601 has one issue to be resolved before voting – the volume determination – there is currently a survey underway to resolve the issue by next week. SAE J2799 is awaiting J2601 finalization. Both documents will thereafter be balloted.

**ASTM**

**Tommy Rockward**

No report.

**5 Discussion Topics**

**Regulatory Matrix Review and Comment**

**Karen Hall**

<http://www.fchea.org/core/import/NHFCCSCC/FCHEA-Reg-Matrix-Sept-30-2013.pdf>

Comments can be submitted to Karen Hall at [khall@fchea.org](mailto:khall@fchea.org).

**Permitting and Installation of Hydrogen Fueling Stations**

**CAFCP Working Group**

**Jennifer Hamilton**

A lot of activity and participation from the Governor's Office – working partnership with cities where the stations are going. The Governor's Office is looking to appoint an Ombudsman for Hydrogen Technologies (open a new job for a lead for HRS). PON possible to come out in November.

**Ca DMS Metrology**

**Norman Ingram**

No report.

**Ca DMS Fuel Quality**

**Ron Nies**

No report.

**SAE J2601 Standard Compliance**

**Jesse Schneider**

A number of industry stakeholders submitted to the CEC that SAE J 2601 standard should be used as a basis for specifying hydrogen refueling, especially for 70 MPa stations. Meeting in calendar week 50 with the German stakeholders to review the J 2601 Standard and implementation thereof in the 400+ stations there.

**Hydrogen Fuel Quality and Measurement**

**NIST**

**Juana Williams**

No report at this time.

**7 Open Discussion & Other Issues**

Tentative for follow up at DOE. DOE/NOW NEDO – webex on international harmonization Dec 16th. Ask for confirmation of date and inform participants.

Next meeting? Note first week of December is ISO/TC 197 plenary and 10 working groups! Wed Dec 11<sup>th</sup> (2<sup>nd</sup> week).