

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

**Wednesday, November 1, 2017  
TIME: 3:00 – 4:00 pm (Eastern Standard Time)**

**Minutes**

**I. Welcome and Housekeeping Items**

- Review FCHEA's anti-trust guidelines - Available on FCHEA's members only website and a copy can be provided to you on request.
- Approve the meeting agenda – the agenda was approved.
- Approve the previous meeting minutes for October 2017 – the minutes were approved.

**II. DOE/HQ Update**

**Laura Hill**

There will be an H2@Scale event at the Fuel Cell Seminar on Tuesday, November 6. The Working Group is invited to attend – attendees must be registered for the Seminar.

DOE is still being funded under a Continuing Resolution through December 8, 2017.

**III. C&S Events and Fuel Cell Safety Information**

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

**Kelvin Hecht**

The contract for the fuel cell standards website will not be renewed going forward.

<http://www.hydrogenandfuelcellsafety.info/events/>

**Karen Quackenbush**

**Request:** technical resource updates for the Hydrogen and Fuel Cell Safety website. Any committee members who have materials they would like hosted on the website can send them to Karen Quackenbush ([khall@fchea.org](mailto:khall@fchea.org)) or Connor Dolan ([cdolan@fchea.org](mailto:cdolan@fchea.org)).

**Request:** Please notify Karen or Connor of any meetings / events to add to the calendar.

**IV. Global Technical Regulations**

**Nha Nguyen**

Written meeting minutes will be available on the UN website for the October 17-19 Kickoff meeting. Nha can provide the link to the Working Group. A list of items that different members are planning to propose for consideration at subsequent meetings is also available on the UN website.

The next meeting is scheduled for the first week of February, 2018 in California (likely in Torrance). An announcement for the meeting is available here:

<https://wiki.unece.org/display/trans/GTR13-2+1st+session>

**V. Codes and Standards Organization Updates**

**IEC TC 105**

**Kelvin Hecht**

The plenary meeting will be from November 6-10. This will be the first time that no US delegation is attending, due to the Fuel Cell Seminar occurring on the same week. Kelvin will follow the meeting electronically and report on any decisions made at the meeting.

Working Group 2 (Fuel Cell Module Standard) has posted a committee draft for the 3<sup>rd</sup> edition on the TC 105 website. Comments can be submitted until November 10. A joint US-Canadian task force is meeting to bring this standard into North America.

Working Group 3 (Stationary Standard) is waiting for a French translation to go out for a vote in the next couple of weeks.

## **ISO/TC 197**

**Glenn Scheffler/Jay Keller**

The plenary meeting will be held the first week of December in Fushan, China (about a 2 hour ride from Hong Kong).

Working Group 24 – document on stations is out for internal review and looking for comments before being sent out for a vote, hopefully ready before the plenary meeting.

## **NFPA 2**

**Carl Rivkin**

The ballot for NFPA 55 has passed. The NFPA 2 ballot will likely go out in the next couple of weeks.

## **ICC**

**Spencer**

The ICC first draft comments are due on January 9 (fire code, mechanical code, building code).

## **CSA**

**Brent Hartman**

## **SAE**

**Mike Steele**

Safety working group will meet in Troy, MI from December 7-8, the other working group will meet in Torrance, CA from the 8-9.

## **ASTM**

**Jennifer Hamilton**

## **ASME**

**John Bendo**

## **VI. Discussion Topics**

### **Facilitating Deployment**

**Carl Rivkin**

Working with NREL on an article published in the American Society of Safety Engineers for Hydrogen safety information tools geared towards professionals for approving projects, trained safety professionals, etc.

### **H<sub>2</sub>USA Activities**

**Karen Quackenbush**

Fueling Station working group is identifying 2018 priorities in conjunction with the other working groups and H2 First to improve station reliability and reduce costs of future stations. Codes & Standards Task Force hasn't met recently but working on meetings with New York officials.

Jay – had a government to government relationship meeting with NY Port Authority officials. We still have a lot of work to do, and questions to follow up on, but the meeting was well received. No decisions have been made by the NY Port Authority yet.

Market Outreach and Finance Groups are continuing to make progress, and are considering priorities for 2018 and beyond.

## **H2FIRST**

**NREL/SNL**

### **Regulatory Matrix Review and Comment**

**Karen Quackenbush**

<http://www.fchea.org/s/FCHEA-Regulatory-Matrix-markup-September-30-2017.pdf>

### **Permitting and Installation of Hydrogen Fueling Stations**

#### **CA Station Implementation**

**Jennifer Hamilton**

#### **CA DMS Fuel Quality / Metrology**

**Kevin Schnepf**

#### **Legal Metrology Standards Hydrogen Fuel Quality and Measurement**

**Juana Williams**

## **VII. Open Discussion & Other Issues**

### **Other Issues?**

**DOE Budget** – We are under a continuing resolution until December 8<sup>th</sup>.

House/Senate/President budgets are released. There is still a conference that will need to be held if we have a budget.

**DOE CRADA** - Call has closed at this point. Stay tuned for activities funded out of that at this point. This is focused on the H2@Scale activity.

**Fuel Cell Seminar and Energy Exposition** – November 7-9. Will feature 180+ presentations, across 32 track sessions, and will feature 40+ posters. More information at [www.fuelcellseminar.com](http://www.fuelcellseminar.com).

## **VIII. Next Meeting**

Will tentatively be held on Wednesday, January 3, 2018 at 3:00 PM Eastern.