

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

Wednesday, April 4th, 2012

TIME: 3:00 – 4:30 pm (Eastern Daylight Time)

<https://www1.gotomeeting.com/register/541688208>

Dial: 1-218-936-4141

Access Code: 4502347#

Minutes

Attendees:

Andrea Zajac	John Moncreif	Norm Newhouse
Anthony Amato	Josip Novkovic	Robert Ingram
Antonio Ruiz	Juana Williams	Robert Wichert
Bob Boyd	Julie Weis	Rody Stephenson
Bruce Johnson	Karen Hall	Ron Nies
Chad Blake	Kelvin Hecht	Steve McDermitt
Jacquelyn Birdsall	Kristine Babick	Steve Tucky
Jennifer Hamilton	Mike Steele	Steven Weiner
Jim Ohi	Mike Veenstra	William Collins

1 Welcome and agenda additions

2 Review of or corrections to March draft minutes

3 DOE/HQ Update Antonio Ruiz

4 C&S Events and Fuel Cell Safety Information

http://www.fuelcellstandards.com/calendar_new.html Kelvin Hecht

http://www.fuelcellstandards.com/edition_status.html

<http://www.hydrogenandfuelcellsafety.info/> Karen Hall

<http://www.h2incidents.org/> Steve Weiner

5 Discussion Topics

Regulatory Matrix Review and Comment Karen Hall

Certification of Hydrogen Dispensing Stations Robert Wichert

Hydrogen Fuel Quality and Measurement

6 Codes and Standards Organization Updates

IEC TC 105

TC105 – Fuel Cell Technologies

New Entries in RED

- WG#1 (IEC/TS 62282-1 Ed.3 – Terminology)
 - 2012 revision initiated.
- WG#2 (IEC 62282-2 Ed.2 – *Fuel Cell Modules*)
 - Approved. USTAG voted to approve with editorial comments.
 - To be published shortly.
- WG#3 (IEC 62282-3-100 – *Stationary Fuel Cells - Safety*)
 - Published
 - EU – Adopted the 2007 edition as EN 62282-3-1; will proceed to update with the 2012 edition
 - China – Adopted the 2007 edition as GB/T 27748.1; will consider the 2012 edition
 - Japan – Has started the process to adopt the 2012 edition as JIS C 62282-3-100
 - Korea – Is holding KS R IEC 62282-3-1 for adopting the 2012 edition
 - UK – BSI to publish the 2012 edition by May 2012.
 - USA – ANSI FC1-2012 published. US will start harmonizing it with 2012 edition of IEC 62282-3-100.
- WG#4 (IEC 62282-3-200 Ed.1 – *Stationary Fuel Cells Power Systems – Performance test methods*)
 - Will issue Amendment 1 on the following schedule:
 - CD November 2012
 - CDV August 2013
 - FDIS April 2014
 - IS September 2014
- WG#4 (IEC 62282-3-201 Ed.1 – *Stationary Fuel Cells – Performance for small fuel cells*)
 - CDV posted for vote and comments. Comments to USTAG by May 31, 2012.
 - WG to meet June 2-4 in Frankfurt, Germany
- WG#5 (IEC 62282-3-300 Ed.1 – *Stationary Fuel Cells – Installation*)
 - Approved. USTAG voted to approve with editorial comments.

- To be published shortly.
- WG#6 (IEC 62282-4-100 – *Fuel Cell Systems for Forklift Applications*)
 - Initial draft under development
- WG#7 (IEC 62282-5-1 Ed. 2 – *Portable Fuel Cells*)
 - CDV approved. FDIS to be posted shortly
- WG#8 (IEC 62282-6-100 am 1 – *Micro Fuel Cells – Safety*)
 - **CDV approved.**
 - **FDIS to be submitted by June 30, 2012.**
- WG#9 (IEC 62282-6-200 Ed.2) *Micro Fuel Cells – Performance*
 - CDV was approved. The FDIS will be issued by July 31, 2012.
- 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 Performance Test Methods for Solid Oxide Fuel Cells*)
 - USTAG submitted comments to CD.
 - CDV to be submitted by December 2012
- WG#12 (IEC 62282-3-400 – *Small Stationary Fuel Cells with Combined Heat and Power Output*)
 - WG met in Sacramento in February
 - Next meeting in Frankfurt July 5-6

ISO TC 197

NFPA

ICC

CSA

The CSA Update can be found at the following link:

[http://hydrogenandfuelcellsafety.info/resources/CSA%20Group%20Update%20\(03-23-12\).pdf](http://hydrogenandfuelcellsafety.info/resources/CSA%20Group%20Update%20(03-23-12).pdf)

Others

7 Open Discussion & Other Issues

Next Meeting: May 2, 2012 3:00 – 4:30 PM EDT