

**U.S. National Work Group
for the
Development of Commercial Hydrogen Measurement Standards**

June 17, 2010

**Joint Device Standards Subcommittee (DSS) and Fuel Specifications Subcommittee (FSS)
Tele/Web Conference Meeting**

AGENDA

Time: Thursday, June 17, 2010/3:00 p.m. – 4:30 p.m. ET-USA & Canada (GMT - 05:00)

Meeting Name: H2 U.S. National Work Group, May 25, 2010 Tele/Web Conference Meeting

NOTE: Please log into the web site first. On the attendee list click on the telephone icon and have the system call your telephone number. If that process does not work dial the number and enter the pass code listed below.

To join the meeting online: <http://nist.na6.acrobat.com/h2usnwgmtg/>

Call-In Telephone Number: 1-877-685-5350

Call-In Password: 908127

Audio Conference Only: *6 to MUTE or UNMUTE

This meeting is sponsored by the U.S. Department of Energy and U.S. Department of Commerce's National Institute of Standards and Technology.

Purpose: The U.S. National Work Group (USNWG) is meeting to continue its work to promote the establishment of a comprehensive set of (1) design, accuracy, installation, use, and method of sale requirements, (2) test procedures, and (3) quality standards for hydrogen fuel and equipment used in hydrogen measurements for vehicle and other refueling applications.

ATTACHMENTS:

Appendix A Summary of the May 2010 USNWG Meeting

Appendix B USNWG's Responses to Input on the Draft Hydrogen Codes from the Fall 2009 Regional Weights and Measures Associations and USNWG (rev.4)

Appendix C Draft 5.0 of the NIST Handbook 44 Hydrogen Gas-Measuring Devices Code

Appendix D Notice to Stakeholders - NCWM Vote on Hydrogen Codes

Glossary of Acronyms			
ASTM	American Society of Testing and Materials International	MPa	megapascal
CaFCP	California Fuel Cell Partnership	NGV	Natural Gas Vehicle
CDFD DMS (also CADMS)	California Department of Food and Agriculture, Division of Measurement Standards	NHA	National Hydrogen Association
CSA	Canadian Standards Association, Incorporated	NIST	National Institute of Standards and Technology
DSS	Device Standards Subcommittee	NTP	Normal Temperature and Pressure
EPO 29	Draft Hydrogen Gas Retail Motor-Fuel Dispenser Examination Procedure Outline (EPO) 29	OEM	Original Equipment Manufacturer
FSS	Fuel Specifications Subcommittee	OIML	International Organization of Legal Metrology
HB 44	NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices (2009)	OIML R 139	Recommendation for Compressed gaseous fuel measuring systems for vehicles
HB 130	NIST Handbook 130 Uniform Laws and Regulations in the Area of Legal Metrology and Engine Fuel Quality (2009)	RMFD	Retail Motor-Fuel Dispenser
HGV	Hydrogen Gas Vehicle	S&T	Specifications and Tolerances
ISO	International Organization for Standardization	SAE	Society of Automotive Engineers
MMQ	Minimum Measured Quantity	SI	International System of Units
MOS	Method of Sale	USNWG	U.S. National Work Group
L&R	Laws and Regulations		
This table is meant to assist the reader in the identification of acronyms used in this agenda and does not imply that these terms are used solely to identify these organizations or technical topics.			

AGENDA TOPICS

3:00 P.M. (ET)

(1) Welcome Current/New Members and Roll Call

New members of the USNWG and visitors will be welcomed, the meeting is called to order, time for roll call, and the meeting's purpose is reviewed. The collaborative work by the meeting's sponsors will be recognized. New participants will be invited to provide their name, affiliation, and state their specific area of interest in the work to develop hydrogen measurement standards.

(2) Administrative Business

The USNWG will discuss and decide on procedures for managing and documenting its technical work. The following item(s) will be addressed:

(a) Approve the Summary of the May 25, 2010 USNWG Meeting

A draft summary (see Appendix A) of the May 25, 2010 tele/web conference meeting was emailed on June 16, 2010 to the group for its review. The USNWG will require additional time to review the summary. Therefore, the DSS Technical Advisor plans to ballot the USNWG for its approval of the summary on June 18th. The Technical Advisor will recommend a June 25, 2010 deadline for return of the ballot.

(b) Agenda Updates for June 2010

(3) Opportunity for Reports on Related Activities

The USNWG is working to harmonize, wherever possible, with related standards to encourage uniformity and to avoid contradictory requirements and trade barriers for U.S. industry. The USNWG Subcommittees will receive updates on work by organizations such as ASTM, CaFCP, DMS, NHA, OIML, SAE and other related activities as their work continues to progress.

(4) Development of Device Standards and Test Procedures for Commercial Hydrogen Measurement

(a) Remaining Comments on the Draft Hydrogen Codes/USNWG Input to the July 2010 National Conference on Weights and Measures (NCWM)

In preparation for input to the July 11-15, 2010 NCWM, the USNWG will finalize its discussions on comments (see Appendix B) received on the draft hydrogen codes (see Appendix C) from the U. S. regional weights and measures associations that met fall 2009 and USNWG members.

The DSS Technical Advisor was unable to distribute ballots for the 13 remaining comments in Groups [2], [3], [4] and [LOD] since the USNWG's last meeting on May 25. The USNWG will be asked to agree on a position on the remaining comments during the June 17 meeting.

(5) Next Steps/Tasks

The USNWG will discuss the next step in the standards development process, the National Conference on Weights and Measures (NCWM) voting session in July 2010. As NCWM Committee Agenda Voting Items, the proposals for a new NIST Handbook 44 Section 3.39 Hydrogen Gas-Measuring Devices Tentative Code and NIST Handbook 130 Method of Sale Regulation for Hydrogen are under the control of the NCWM S&T and L&R Committees. Please be aware that on July 12th each Committee will hear comments and possibly consider recommendations for changes to the proposed code from either the USNWG or any registered members of the NCWM.

The USNWG may wish to consider notifying the NCWM and the Northeastern and Southern Weights and Measures Associations that it has considered all input from stakeholders and provide each organization with a list of its recommended modifications to the proposed code by July 2nd. The USNWG may also wish to discuss any code proposals that it anticipates would not be appropriate to modify from this meeting onward since the NCWM process allows for nonsubstantive changes to the language to be proposed from the floor of the NCWM or made after deliberations of the S&T Committee.

(6) Next Meeting

A notice (Appendix D) was prepared and distributed on June 3, 2010 to alert all stakeholders about the upcoming NCWM vote on July 14th on the proposed hydrogen codes. All stakeholders in the hydrogen codes are encouraged to provide input to the NCWM before July 14th.

The USNWG has no additional tele/web conference or in-person meetings scheduled for 2010, but should finalize any input to the NCWM by July 2, 2010. The Technical Advisors will report to the USNWG on the outcome of the both NCWM S&T and L&R 2010 voting sessions.

4:30 P.M. (ET) Meeting Adjourns