

**U.S. National Work Group
for the
Development of Commercial Hydrogen Measurement Standards
July 2, 2010**

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

AGENDA

Time: Friday, July 2, 2010/3:00 p.m. – 4:30 p.m. ET-USA & Canada (GMT - 05:00)

Meeting Name: “H2 U.S. Nat’l Work Group Mtg”

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/usnwg-on-h2/>

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

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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 June 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.5)

Appendix C Draft 6.0 of the NIST Handbook 44 Hydrogen Gas-Measuring Devices Code

Appendix D Change Pages of Modifications to Draft 5.0 to Develop Proposed New Draft 6.0 of the NIST Handbook 44 Hydrogen Gas-Measuring Devices-Tentative Code

Appendix E Draft 3.1 Part A of the NIST Handbook 130 Uniform Laws and Regulations

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 July 17, 2010 USNWG Meeting

A draft summary (see Appendix A) of the June 17, 2010 tele/web conference meeting was emailed on June 19, 2010 to the work group for its review and approval by June 28, 2010. The Technical Advisor did not receive any ballots as of 5:30 p.m. [ET] June 28th. The Technical Advisor sent a second ballot by email at 6:00 p.m. June 28th as a reminder to the USNWG for its approval of the summary. The DSS Technical Advisor will ask for approval of the June meeting summary at the start of the July meeting.

(b) Agenda Updates for July 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 Standard, Method of Sale, 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)

The USNWG has held three meetings since January 2010 to further refine proposed draft 5.0 of the hydrogen device code. In preparation for input to the July 11-15, 2010 NCWM, the USNWG will finalize a summary of its positions taken on comments (see Appendix B) received from the U. S. regional weights and measures associations that met fall 2009 and USNWG members that resulted in draft 6.0 of the hydrogen device code (see Appendix C) and draft 3.1 of the method of sale regulation (see Appendix E). The USNWG should also consider the list (Appendix D) of recent USNWG modifications to the proposed new Hydrogen Gas-Measuring Devices - Tentative Code. The list was developed to assist stakeholders understand and identify changes the USNWG made to refine the requirements in Draft 5.0 and arrive at Draft 6.0 which it now recommends for a vote.

(5) Next Steps/Tasks

The next step in the standards development process, are the open hearing and voting sessions of the National Conference on Weights and Measures (NCWM). 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.

Appendix B will serve as a summary of the USNWG responses/positions on comments about the code that were received from the NCWM and the Northeastern and Southern Weights and Measures Associations. The USNWG may also wish to discuss any code proposals that it deems not appropriate for any modification from this point onward since the NCWM process allows for nonsubstantive changes to the code language to be proposed from the floor of the NCWM or made after deliberations of the S&T Committee.

(6) Next Meeting

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, 1010. The Technical Advisors will report to the USNWG on the outcome of the both July 2010 NCWM S&T and L&R voting sessions.

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