

**NTEP - Measuring Sector  
Meeting Agenda**

September 16, 2025, 8:00 am to 5:00 pm September 17, 2025, 8:00 am to 5:00 pm

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<b>Glossary of Acronyms</b>			
CC	Certificate of Conformance	NTETC	National Type Evaluation Technical Committee
DMS	Division of Measurement Standards	OIML	International Organization of Legal Metrology
ECR	Electronic Cash Register	OWM	Office of Weights and Measures (NIST)
EVFS	Electric Vehicle Fueling Systems	PD	Positive Displacement
HB 44	NIST Handbook 44 “Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices”	Pub 14	NCWM Publication 14
LMD	Liquid Measuring Devices	RMFD	Retail Motor-Fuel Dispenser
mA	Milliamp	SI	International System of Units
MFM	Mass Flow Meters	S&T	Specifications and Tolerances
NCWM	National Conference on Weights and Measures	TG	Task Group
NIST	National Institute of Standards and Technology	VTM	Vehicle Tank Meter
NTEP	National Type Evaluation Program	W&M	Weights and Measures
This glossary 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.			

## **Carry-over Items:**

- 1. ADM-23.1 (I) Acceptance of OIML-CS Test Reports Issued for Devices Evaluated to the OIML R117 Recommendation for Issuing NTEP Certificates of Conformance.**

Source: Dmitri Karimov/ Advanced Flow Solution

Update the manufacturer's positions on this issue and understand the next steps by the BOD/NTEP Committee.

Discussion/Conclusion:

- 2. ADM-24.2 (I) Implement Metrological Software Version Change Policy**

Source: NTEP Administrator

Background: To encourage companies to inform NTEP of metrological changes to software and have an easier more economical application to submit the changes.

Discussion/Conclusion:

## **New Items:**

### **1. Items that were adopted during the NCWM 2025 Annual Meeting**

There were no items that were adopted during the NCWM 2025 Annual meeting that require changes to Publication 14 Measuring Devices.

### **2. LMD-24.2 D N.4. Normal Tests**

Source:

Dmitri Karimov/ Advanced Flow Solutions

Background:

Review the NIST analysis provided at the annual meeting and provide Measuring Sector input. This item can impact the field testing of meters subject to Normal and Special tests.

Discussion/Conclusion:

### **3. Loading Rack Meter Controllers with Blending Capabilities**

Source:

Michael Keilty  
Endress + Hauser

Background:

In addition to the Common and General Code Criteria and applicable sections of the Wholesale and Loading Rack Meters and other Checklists, the following applies to tests of Loading Rack Meter Controllers with Blending Capabilities:

1. For NTEP testing, it is acceptable for the sum of the total quantity printed/displayed for each component of the blend to be different from the total quantity delivered due to intermediate rounding of each component. For example, if the quantity for each component has a higher internal resolution than that displayed, the displayed/printed quantity will be a rounded value. If each component of the blend is rounded in this way, the sum of the components may be different (due to rounding) than the actual quantity delivered by the system.

2. Only mathematical corrections prescribed by the American Petroleum Institute (API) Manual of Petroleum Measurement Standards (MPS) is permitted to account for growth or shrinkage due to blending of product.

Specifically, I would like to review the minutes from the 2023 meeting. I don't see where the MS agreed that the proposed language would be added to the Policy O. There is currently no supporting language in NIST Handbook 44 to support this procedure and no defined field test protocol. There is no language to support NTEP evaluation testing.

**2023 Measuring Sector Summary is attached to the agenda**

Discussion/Conclusion

4. **3.31 VTM Table S.2.2., 3.32 LPG&AALM Table S.2.2., 3.34 CLM Table S.2.5., 3.35 MM Table S.2.3., 3.36 WM Table S.2.1., 3.37 MFM Table S.3.5., 3.38 CDLM Table S.2.5., 3.39 HGM Table S.3.3, 3.40 EVFS Table S.3.3., 3.4.1 NUEMS Table S.2.2**

Source:

Michael Keilty  
Endress + Hauser

Background:

Discussion/Conclusion:

5. **38. Credit Card or Debit Card-Activated Retail Motor Fuel Dispenser Review**

Source:

2025 NTEP Laboratory Meeting

Background:

There are parts of this section that need “Corrected and or cleaned up”

Discussion/Conclusion:

6. **38.8 Cash Value Card “remove initial cash value”**

Source:

2025 NTEP Laboratory Meeting

Background:

There are parts of this section that need “Corrected and or cleaned up”

Discussion/Conclusion:

7. **LMD 40 Test Method**

Source:

2025 NTEP Laboratory Meeting

Background:

There are parts of this section that need “Corrected and or cleaned up”.

Discussion/Conclusion:

- 8.. **Modify Handbook 44 to codify that density correction may be used to account for the volume growth that occurs when gasoline is blended with ethanol to make a finished motor fuel. See attachments for details.**

Source:

James M. (Jim) Pettinato Jr.  
Guidant Measurement

Background:

NCWM Form 15 - HB 44 - Density Correction CLEAN 8-14-25.docx  
API Proposal - HB 44 proposed language 8-15 CLEAN .docx  
NCWM Form 15 - HB 130 Density Correction Method of Sale FINAL.docx  
API Proposal - HB130 proposed language 8-15 CLEAN Method of Sale.docx

**All four documents are attached to the agenda.**

Discussion/Conclusion:

## **Closing Items**

### **1. Meeting Location and Date of 2026 Measuring Sector Meeting.**

Background: This Item is included on the Sector’s agenda to allow for input from Sector members on future meetings and to allow NTEP Administration to apprise the Sector of dates that have already been set.

### **2. Meeting Attendees.**

The following individuals participated in the 2025 Measuring Sector meeting.

#### Measuring Sector Members