

Endress+Hauser Flowtec Division USA Greenwood, Indiana USA

October 7, 2021

Wayne Reinert, Committee Chair
Western Weights and Measures Association
Specifications & Tolerances Committee

Specifications & Tolerances Agenda Items - LPG-15
and MFM-15

Dear Mr. Reinert,

In July 2021, at the National Conference on Weights and Measures Annual Virtual Meeting, the Specifications and Tolerances Committee removed the items LPG 15.1 and MFM 15.1 from Block 1 and placed them back on the Committee's agenda. The items had been previously combined because the Committee believed them to be related. A Task Group was formed to work the items and return with a recommendation. The Field Standards Task Group met frequently over the course of two years. The work of the Field Standards Task Group stalled. The time designated for the Task Group ended in July 2021.

I worked with the Field Standards Task Group to move forward LPG-15.1 and MFM 15.1 and the other items proposed in the Block. However, most of the discussion centered on the NIST OWM test plan which has been stalled for 3 years.

LPG-15.1 and MFM-15.1 Test Drafts was initially proposed in 2015. The proposed items had been forwarded for a vote at the 2016 NCWM Annual Meeting. At that time, the S&T Committee changed the item status to Developing. Since that time, I have provided all the information requested of the S&T Committee to move the items forward. Now is the time to move these items forwards to a vote at the 2022 NCWM Annual Meeting.

I propose adoption of the items LPG-15.1 and MFM-15.1 as found in the WWMA S&T Agenda. Please move the items forward as voting items at the NCWM Annual Meeting in July 2022.

Thank you for your consideration.

Sincerely,

Michael Keilty
Standards and Metrology Manager
Endress+Hauser Flowtec AG, Division USA

LPG-15.1 D N.3. Test Drafts.

Previously LPG-4

Note: In 2019 this item was combined with Block 1 “Terminology For Testing Standards” and other items that addressed terminology for standards and the use of “master meters.” Based on comments heard during the 2021 Annual Meeting, the S&T Committee recommended that all items that were combined with Block 1 “Terminology For Testing Standards” that originally appeared as a separate item or a separate block of items on the S&T agenda prior to 2019, be removed from Block 1 “Terminology For Testing Standards” and appear as originally presented.

Item LPG-15.1 was removed from Block 1 “Terminology For Testing Standards” and now appears as a separate item on the 2022 Interim Meeting agenda.

Source:

Endress + Hauser Flowtec AG USA

Purpose:

Amend Handbook 44 to allow field reference standard meters to be used to test and place into service dispensers and delivery system flow meters.

Item Under Consideration:

Amend Handbook 44, LPG and Anhydrous Ammonia Liquid-Measuring Devices as follows:

N.3. Test Drafts.

N.3.1 Minimum Test - Test drafts should be equal to at least the amount delivered by the device in 1 minute at its normal discharge rate.

(Amended 1982)

N.3.2. Field Reference Standard Meter Test. – The minimum quantity for any test draft shall be equal to or greater than the amount delivered in one minute at the flow rate being tested.

(Added 20XX)

MFM-15.1 D N.3. Test Drafts.

Previously MFM-2

Note: In 2019 this item was combined with Block 1 “Terminology For Testing Standards” and other items that addressed terminology for standards and the use of “master meters.” Based on comments heard during the 2021 Annual Meeting, the S&T Committee recommended that all items that were combined with Block 1 “Terminology For Testing Standards” that originally appeared as a separate item or a separate block of items on the S&T agenda prior to 2019, be removed from Block 1 “Terminology For Testing Standards” and appear as originally presented.

Item MFM-15.1 was removed from Block 1 “Terminology For Testing Standards” and now appears as a separate item on the 2022 Interim Meeting agenda.

Source:

Endress + Hauser Flowtec AG USA

Item Under Consideration:

Amend Handbook 44, Mass Flow Meters Code as follows:

N.3. Test Drafts.

N.3.1 Minimum Test - The minimum test shall be one test draft at the maximum flow rate of the installation and one test draft at the minimum flow rate. More tests may be performed at these or other flow rates. (See T.3. Repeatability.)

(Amended 1982 **and 20XX**)

N.3.2. Field Reference Standard Meter Test. – The minimum quantity for any test draft shall be equal to or greater than the amount delivered in one minute at the flow rate being tested.

(Added 20XX)