

NEWMA Specifications and Tolerances (S&T) Committee 2020 Interim Meeting Agenda

Mr. Brad Bachelder, Committee Chair
Maine

INTRODUCTION

The Specifications and Tolerances (S&T) Committee (hereinafter referred to as “Committee”) submits its Report to the Northeastern Weights and Measures Association (NEWMA). The Report consists of the NEWMA Agenda (NCWM Carryover and NEW items) and this Addendum. Page numbers in the tables below refer to pages in this Addendum. Suggested revisions to the handbook are shown in **bold face print** by ~~striking out~~ information to be deleted and underlining information to be added. Requirements that are proposed to be nonretroactive are printed in **bold-faced italics**.

Presented below is a list of agenda items considered by the NEWMA and its recommendations to the NCWM Specifications and Tolerances Committee.

2020 NEWMA Interim Meeting Specifications and Tolerances Committee Addendum Sheet

GEN-21.1	D	Use-for-Fee Vehicle and Axle-Load Scales
B2: SCL-20.4	A	Table 3. Parameters of Accuracy Classes.
SCL-21.1	D	S.1.1. Zero Indication
BLOCK 4 ITEMS (B4)	V	ELECTRONICALLY CAPTURED TICKETS OR RECEIPTS
B5: LMD-21.1	V	Table S.2.2. Categories of Device and Methods of Sealing.
WTR-21.1	NR	S.2.2. Batching Measuring Systems Air/Vapor Elimination.
MFM-21.1	W	UR.3.3. Ticket Printer: Customer Ticket
EVF-21.1	W	A.1. General
EVF-21.2	W	A.2. Exceptions
EVF-21.3	D	S.1.2. EVSE Indicating Elements, S.2.4.1. Unit Price, S.2.5. EVSE Money-Value Computations., S.2.7. Indication of Delivery
EVF-21.4	V	S.3.3. Provision for Sealing
EVF-21.5	W	T.2. Load Test Tolerances.
EVF-21.6	V	Definitions: minimum measured quantity (MMQ)
OTH-21.1	D	Appendix A – 2.1. Acceptance and Maintenance Tolerances.

Subject Series List

NIST Handbook 44 – General Code	GEN Series
Scales	SCL Series
Belt-Conveyor Scale Systems	BCS Series
Automatic Bulk Weighing Systems	ABW Series
Weights	WTS Series
Automatic Weighing Systems	AWS Series
Weigh-In-Motion Systems used for Vehicle Enforcement Screening	WIM Series
Liquid-Measuring Devices	LMD Series
Vehicle-Tank Meters	VTM Series
Liquefied Petroleum Gas and Anhydrous Ammonia Liquid-Measuring Devices	LPG Series
Hydrocarbon Gas Vapor-Measuring Devices	HGV Series
Cryogenic Liquid-Measuring Devices	CLM Series
Milk Meters	MLK Series
Water Meters	WTR Series
Mass Flow Meters	MFM Series
Carbon Dioxide Liquid-Measuring Devices	CDL Series
Hydrogen Gas-Metering Devices	HGM Series
Electric Vehicle Refueling Systems	EVF Series
Vehicle Tanks Used as Measures	VTU Series
Liquid Measures	LQM Series
Farm Milk Tanks	FMT Series
Measure-Containers	MRC Series
Graduates	GDT Series
Dry Measures	DRY Series
Berry Baskets and Boxes	BBB Series
Fabric-Measuring Devices	FAB Series
Wire-and Cordage-Measuring Devices	WAC Series
Linear Measures	LIN Series
Odometers	ODO Series
Taximeters	TXI Series
Timing Devices	TIM Series
Grain Moisture Meters (a)	GMA Series
Grain Moisture Meters (b)	GMB Series
Near-Infrared Grain Analyzers	NIR Series
Multiple Dimension Measuring Devices	MDM Series
Electronic Livestock, Meat, and Poultry Evaluation Systems and/or Devices	LVS Series
Transportation Network Measuring Systems	TNS Series
Other Items	OTH Series

Table A
Table of Contents

Reference Key	Title of Item	S&T Page
GEN – GENERAL CODE		6
GEN-20.1	D G-T.3. Application and Appendix D – Definitions: true value	6
GEN-21.1	Use-for-Fee Vehicle and Axle-Load Scales	6
GEN-21.3	G-UR.4.1. Maintenance of Equipment	6
BLOCK 2 ITEMS (B2) DEFINE TRUE VALUE FOR USE IN ERROR CALCULATIONS		6
SCL – SCALES		7
SCL-16.1	A Sections Throughout the Code to Include Provisions for Commercial Weigh-in-Motion Vehicle Scale Systems	7
SCL-21.1	S.1.1. Zero Indication	7
SCL-20.9	D S.1.1.3. Zero Indication, Load Receiving Elements Separate from Weighing Elements. and Appendix D – Definitions: no load reference value	8
SCL-20.10	V S.1.2.2.2. Class I and II Scales Used in Direct Sale and S.1.2.2.3. Deviation of a “d” Resolution.	8
SCL-17.1	V S.1.8.5. Recorded Representations, Point of Sale Systems	8
SCL-20.13	V N.1.5. Discrimination Test	8
SCL-19.2	V UR.5. Coupled-in-Motion Railroad Weighing Systems	8
SCL-20.12	D Multiple Sections to Add Vehicle Weigh-in-Motion to the Code and Appendix D – Definitions; vehicle scale and weigh-in-motion vehicle scale	9
ABW – AUTOMATIC BULK WEIGHING SYSTEMS		9
ABW-16.1	D A. Application, S Specifications, N. Notes, UR. User Requirements and Appendix D – Definitions: automatic bulk weighing system	9
BLOCK 4 ITEMS (B4) ELECTRONICALLY CAPTURED TICKETS OR RECEIPTS		9
BLOCK 1 ITEMS (B1) TERMINOLOGY FOR TESTING STANDARDS (VERIFICATION STANDARDS, FIELD STANDARDS, TRANSFER STANDARDS, FIELD REFERENCE STANDARDS, ETC.) TOLERANCES ON TESTS WHEN TRANSFER STANDARDS ARE USED, MINIMUM QUANTITY FOR FIELD REFERENCE STANDARD METER TESTS		9
LMD – LIQUID MEASURING DEVICES		10
LMD-20.2	V S.1.6.10. Automatic Timeout – Pay-at-pump Retail Motor-Fuel Devices	10
LMD-19.1	V UR.4.2. Security for Retail Motor-Fuel Devices	10
BLOCK 5 ITEMS (B5) CATEGORY 3 METHODS OF SEALING		10
VTM – VEHICLE TANK METERS		11
VTM-18.1	D S.3.1 Diversion of Measured Liquid and S.3.1.1. Means for Clearing the Discharge Hose and UR.2.6. Clearing the Discharge on a multiple-product, single discharge hose.	11
VTM-20.1	S.3.1. Diversion of Measured Liquid	11
VTM-20.2	A Table T.2. Tolerances for Vehicle Mounted Milk Meters	11
LPG – LPG AND ANHYDROUS AMMONIA LIQUID-MEASURING DEVICES		11
LPG-20.1	V S.2.5. Zero-Set-Back Interlock and S.2.6. Automatic Timeout	11
WTR – WATER METERS		11
WTR-20.2	V S.1.1.4. Advancement of Indicating and Recording Elements	11
WTR-21.1	S.2.2. Batching Measuring Systems Air/Vapor Elimination	11
WTR-20.1	V S.3.2. Meter size and Directional Flow Marking Information	12
MFM – MASS FLOW METERS		12
MFM-20.1	V S.1.3.3. Maximum Value of Quantity Divisions	12
MFM-21.1	UR.3.3. Ticket Printer: Customer Ticket	12

EVF – ELECTRIC VEHICLE FUELING SYSTEMS	13
EVF-21.1 A.1. General	13
EVF-21.2 A.2. Exceptions	13
EVF-20.1 D S.1.3.2. EVSE Value of the Smallest Unit.	14
EVF-21.3 S.1.2. EVSE Indicating Elements, S.2.4.1. Unit Price, S.2.5. EVSE Money-Value Computations., S.2.7. Indication of Delivery	14
EVF-21.4 S.3.3. Provision for Sealing	14
EVF-19.1 V S.3.5. Temperature Range for System Components. and S.5.2. EVSE Identification and Marking Requirements.	15
EVF-21.5 T.2. Load Test Tolerances.	15
EVF-21.6 Definitions: minimum measured quantity (MMQ).....	15
EVF-20.2 V Definitions: submeter	16
TXI – TAXIMETERS	16
See Block 3 Items: Tolerances for Distance Testing.	16
TIM – TIMING DEVICES CODE.....	16
TIM-20.1 V S.1.1.3. Value of Smallest Unit.	16
GMA – GRAIN MOISTURE METERS 5.56 (A)	16
GMA-20.1 V S.2.5. Provisions for Sealing.	16
GMA-19.1 D Table T.2.1. Acceptance and Maintenance Tolerances Air Oven Method for All Grains and Oil Seeds.....	16
MDM – MULTIPLE DIMENSION MEASURING DEVICES.....	17
MDM-20.1 V S.1.3. Negative Values, S.1.6. Customer Indications and Recorded Representations, S.1.7. Minimum Measurement, S.1.8. Indications Below Minimum and Above Maximum, S.2. Design of Zero Two Dimensional Offset and Appendix D – Definitions: dimensional offset	17
BLOCK 3 ITEMS (B3) TOLERANCES FOR DISTANCE TESTING IN TAXIMETERS AND TRANSPORTATION NETWORK SYSTEMS	17
OTH – OTHER ITEMS	17
OTH-16.1 D Electric Watthour Meters Code under Development	17
OTH-21.1 Appendix A – 2.1. Acceptance and Maintenance Tolerances.	17
OTH-20.1 V Appendix D – Definitions: submeter (Now Item EVF-20.2).....	18

Table B
Glossary of Acronyms and Terms

Acronym	Term	Acronym	Term
ABWS	Automatic Bulk Weighing System	NEWMA	Northeastern Weights and Measures Association
AAR	Association of American Railroads	NIST	National Institute of Standards and Technology
API	American Petroleum Institute	NTEP	National Type Evaluation Program
CNG	Compressed Natural Gas	OIML	International Organization of Legal Metrology
CWMA	Central Weights and Measures Association	OWM	Office of Weights and Measures
EPO	Examination Procedure Outline	RMFD	Retail Motor Fuel Dispenser
FHWA	Federal Highway Administration	S&T	Specifications and Tolerances
GMM	Grain Moisture Meter	SD	Secure Digital
GPS	Global Positioning System	SI	International System of Units
HB	Handbook	SMA	Scale Manufacturers Association
LMD	Liquid Measuring Devices	SWMA	Southern Weights and Measures Association
LNG	Liquefied Natural Gas	TC	Technical Committee
LPG	Liquefied Petroleum Gas	USNWG	U.S. National Work Group
MMA	Meter Manufacturers Association	VTM	Vehicle Tank Meter
MDMD	Multiple Dimension Measuring Device	WIM	Weigh-in-Motion
NCWM	National Conference on Weights and Measures	WWMA	Western Weights and Measures Association

Details of All Items
(In order by Reference Key)

GEN – GENERAL CODE

GEN-20.1 D G-T.3. Application and Appendix D – Definitions: true value

GEN-20.1
No report due to the constraints of holding a virtual meeting.

GEN-21.1 Use-for-Fee Vehicle and Axle-Load Scales

GEN-21.1
<p>Regional recommendation to NCWM on item status:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Recommend as a Voting Item on the NCWM agenda <input type="checkbox"/> Recommend as an Information Item on the NCWM agenda <input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i> <input checked="" type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i> <input type="checkbox"/> Recommend Withdrawal of the Item from the NCWM agenda <i>(In the case of new proposals, do not forward this item to NCWM)</i> <input type="checkbox"/> No recommendation from the region to NCWM <i>(If this is a new proposal, it will not be forwarded to the national committee by this region)</i>
<p>Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i></p> <p>The Committee agrees with the body that this proposal has merit and recommends this be a Developing Item. The submitter (NIST) described the motivation for the item and the desired results to be achieved in development. This may require modifications/additions to the general code, scale code and possibly other sections. Differences in the requirements for vehicle scales and axle load scales were outlined. There are requirements for trucks traveling on public highways to obtain weights for compliance with highway weight limits and the length of these trucks does not always allow for single draft weighments. During open hearings, the Committee heard comments from industry and state officials defining current regulations in HB44 and current State practices. The submitter is open to further discussion and development to address issues and concerns.</p>

GEN-21.3 G-UR.4.1. Maintenance of Equipment

This item was not submitted to your region.

**BLOCK 2 ITEMS (B2) DEFINE TRUE VALUE FOR USE IN ERROR
CALCULATIONS**

ITEM BLOCK 2
Regional recommendation to NCWM on item status:

<input type="checkbox"/> Recommend as a Voting Item on the NCWM agenda <input type="checkbox"/> Recommend as an Information Item on the NCWM agenda <input checked="" type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i> <input type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i> <input type="checkbox"/> Recommend Withdrawal of the Item from the NCWM agenda <i>(In the case of new proposals, do not forward this item to NCWM)</i> <input type="checkbox"/> No recommendation from the region to NCWM <i>(If this is a new proposal, it will not be forwarded to the national committee by this region)</i>
Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i> B2 – SCL-20.4 The Committee agrees with the body that this proposal has merit and should be designated an Assigned Item with the current Assigned items of Block 2. During open hearings, Mr. Ross Anderson (Submitter; NY, Retired) indicated that the Scale Verification Work Group is currently drafting a report that includes reference to this item.

SCL – SCALES

SCL-16.1 A Sections Throughout the Code to Include Provisions for Commercial Weigh-in-Motion Vehicle Scale Systems

SCL-16.1
No report due to the constraints of holding a virtual meeting.

SCL-21.1 S.1.1. Zero Indication

SCL-21.1
Regional recommendation to NCWM on item status: <input type="checkbox"/> Recommend as a Voting Item on the NCWM agenda <input type="checkbox"/> Recommend as an Information Item on the NCWM agenda <input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i> <input checked="" type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i> <input type="checkbox"/> Recommend Withdrawal of the Item from the NCWM agenda <i>(In the case of new proposals, do not forward this item to NCWM)</i> <input type="checkbox"/> No recommendation from the region to NCWM <i>(If this is a new proposal, it will not be forwarded to the national committee by this region)</i>
Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i> Testimony was heard from the submitter and others that there are situations where scales have not returned to zero indication when weighing from a displayed screensaver or out-of-balance-condition. Arguments were made that meeting S.1.1. (c) would resolve this problem and that it may be an enforcement issue and not a code issue. Industry commented that the retroactive date of 2023 may not allow for the appropriate time to make the necessary software changes for an alternative like a split screen. The Committee believes this proposal has the potential to add information and clarity to the Handbook but should be investigated to ensure that current problem situations are

not in violation of the Handbook as written. The item was discussed as a potential voting item with the following language edit to include a split screen display.

(d) **When a screen saver, power saver, or text is displayed prior to the beginning of a weighing operation both the operator and customer indicators shall display a split screen showing the numerical zero(s) condition when performing an actual weighing operation.**

**Retroactive January 1, 2024
Amended 2021**

SCL-20.9 D S.1.1.3. Zero Indication, Load Receiving Elements Separate from Weighing Elements. and Appendix D – Definitions: no load reference value

SCL-20.9

No report due to the constraints of holding a virtual meeting.

SCL-20.10 V S.1.2.2.2. Class I and II Scales Used in Direct Sale and S.1.2.2.3. Deviation of a “d” Resolution.

SCL-20.10

No report due to the constraints of holding a virtual meeting.

SCL-17.1 V S.1.8.5. Recorded Representations, Point of Sale Systems

SCL-17.1

No report due to the constraints of holding a virtual meeting.

SCL-20.13 V N.1.5. Discrimination Test.

SCL-20.13

No report due to the constraints of holding a virtual meeting.

SCL-19.2 V UR.5. Coupled-in-Motion Railroad Weighing Systems.

SCL-19.2

No report due to the constraints of holding a virtual meeting.

SCL-20.12 D Multiple Sections to Add Vehicle Weigh-in-Motion to the Code and Appendix D – Definitions; vehicle scale and weigh-in-motion vehicle scale.

SCL-20.12
No report due to the constraints of holding a virtual meeting.

ABW – AUTOMATIC BULK WEIGHING SYSTEMS

ABW-16.1 D A. Application, S Specifications, N. Notes, UR. User Requirements and Appendix D – Definitions: automatic bulk weighing system.

ABW-16.1
No report due to the constraints of holding a virtual meeting.

BLOCK 4 ITEMS (B4) ELECTRONICALLY CAPTURED TICKETS OR RECEIPTS

ITEM BLOCK 4
<p>Regional recommendation to NCWM on item status:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Recommend as a Voting Item on the NCWM agenda <input type="checkbox"/> Recommend as an Information Item on the NCWM agenda <input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i> <input type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i> <input type="checkbox"/> Recommend Withdrawal of the Item from the NCWM agenda <i>(In the case of new proposals, do not forward this item to NCWM)</i> <input type="checkbox"/> No recommendation from the region to NCWM <i>(If this is a new proposal, it will not be forwarded to the national committee by this region)</i>
<p>Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i></p> <p>The Committee agrees with the body that the revised edition of this proposal has been fully developed by the submitter and recommends it move forward as a Voting Item. Discussion was heard both for and against the proposal. Comments against the proposal included that there was no significant change or that the location in the handbook was not appropriate or may conflict with current State laws regarding electronic records. Comments in favor of the proposal were that it allowed clarity through definitions and where “printed” hard copies are currently required, allows for an electronic option without adding conflict.</p>

BLOCK 1 ITEMS (B1) TERMINOLOGY FOR TESTING STANDARDS (VERIFICATION STANDARDS, FIELD STANDARDS, TRANSFER STANDARDS, FIELD REFERENCE STANDARDS, ETC.,) TOLERANCES ON TESTS WHEN TRANSFER STANDARDS ARE USED, MINIMUM QUANTITY FOR FIELD REFERENCE STANDARD METER TESTS

ITEM BLOCK 1

No report due to the constraints of holding a virtual meeting.

LMD – LIQUID MEASURING DEVICES

LMD-20.2 V S.1.6.10. Automatic Timeout – Pay-at-pump Retail Motor-Fuel Devices.

LMD-20.2

No report due to the constraints of holding a virtual meeting.

LMD-19.1 V UR.4.2. Security for Retail Motor-Fuel Devices.

LMD-19.1

No report due to the constraints of holding a virtual meeting.

BLOCK 5 ITEMS (B5) CATEGORY 3 METHODS OF SEALING

ITEM BLOCK 5

Regional recommendation to NCWM on item status:

- Recommend as a Voting Item on the NCWM agenda
- Recommend as an Information Item on the NCWM agenda
- Recommend as an Assigned Item on the NCWM agenda
(To be developed by an NCWM Task Group or Subcommittee)
- Recommend as a Developing Item on the NCWM agenda
(To be developed by source of the proposal)
- Recommend Withdrawal of the Item from the NCWM agenda
(In the case of new proposals, do not forward this item to NCWM)
- No recommendation from the region to NCWM
(If this is a new proposal, it will not be forwarded to the national committee by this region)

Comments and justification for the regional recommendation to NCWM: (This will appear in NCWM reports)

B5 – LMD-21.1

The Committee agrees with the bodies recommendation that this item move forward with a Voting designation. During open hearings, the Committee heard from the submitter that the intent was not to have multiple proposals, but that there was support from the submitter of the developing, grouped item that this item move forward. There was no discussion heard against this proposal. There is another item proposed EVF 21.4 that has a similar purpose and should have matching language.

VTM – VEHICLE TANK METERS

VTM-18.1 D S.3.1 Diversion of Measured Liquid and S.3.1.1. Means for Clearing the Discharge Hose and UR.2.6. Clearing the Discharge on a multiple-product, single discharge hose.

VTM-18.1
No report due to the constraints of holding a virtual meeting.

VTM-20.1 S.3.1. Diversion of Measured Liquid.

VTM-20.1
No report due to the constraints of holding a virtual meeting.

VTM-20.2 A Table T.2. Tolerances for Vehicle Mounted Milk Meters.

VTM-20.2
No report due to the constraints of holding a virtual meeting.

LPG – LPG AND ANHYDROUS AMMONIA LIQUID-MEASURING DEVICES

LPG-20.1 V S.2.5. Zero-Set-Back Interlock and S.2.6. Automatic Timeout.

LPG-20.1
No report due to the constraints of holding a virtual meeting.

WTR – WATER METERS

WTR-20.2 V S.1.1.4. Advancement of Indicating and Recording Elements.

WTR-20.2
No report due to the constraints of holding a virtual meeting.

WTR-21.1 S.2.2. Batching Measuring Systems Air/Vapor Elimination.

WTR-21.1
Regional recommendation to NCWM on item status:

<input type="checkbox"/> Recommend as a Voting Item on the NCWM agenda <input type="checkbox"/> Recommend as an Information Item on the NCWM agenda <input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i> <input type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i> <input type="checkbox"/> Recommend Withdrawal of the Item from the NCWM agenda <i>(In the case of new proposals, do not forward this item to NCWM)</i> <input checked="" type="checkbox"/> No recommendation from the region to NCWM <i>(If this is a new proposal, it will not be forwarded to the national committee by this region)</i>
Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i> During open hearings, the Committee did not receive any comments from the body or submitter. The Committee does not have a recommendation on this item.

WTR-20.1 V S.3.2. Meter size and Directional Flow Marking Information.

WTR-20.1
No report due to the constraints of holding a virtual meeting.

MFM – MASS FLOW METERS

MFM-20.1 V S.1.3.3. Maximum Value of Quantity Divisions.

MFM-20.1
No report due to the constraints of holding a virtual meeting.

MFM-21.1 UR.3.3. Ticket Printer: Customer Ticket

MFM-21.1
Regional recommendation to NCWM on item status: <input type="checkbox"/> Recommend as a Voting Item on the NCWM agenda <input type="checkbox"/> Recommend as an Information Item on the NCWM agenda <input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i> <input type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i> <input checked="" type="checkbox"/> Recommend Withdrawal of the Item from the NCWM agenda <i>(In the case of new proposals, do not forward this item to NCWM)</i> <input type="checkbox"/> No recommendation from the region to NCWM <i>(If this is a new proposal, it will not be forwarded to the national committee by this region)</i>
Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i> The Committee agrees with the body that this proposal does not have merit, is redundant and should be considered as a Withdrawn Item. During open hearings, the Committee received comments from multiple agencies that the general code already provides for the intent of the submitted item.

EVF – ELECTRIC VEHICLE FUELING SYSTEMS

EVF-21.1 A.1. General

EVF-21.1
<p>Regional recommendation to NCWM on item status:</p> <p> <input type="checkbox"/> Recommend as a Voting Item on the NCWM agenda <input type="checkbox"/> Recommend as an Information Item on the NCWM agenda <input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i> <input type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i> <input checked="" type="checkbox"/> Recommend Withdrawal of the Item from the NCWM agenda <i>(In the case of new proposals, do not forward this item to NCWM)</i> <input type="checkbox"/> No recommendation from the region to NCWM <i>(If this is a new proposal, it will not be forwarded to the national committee by this region)</i> </p>
<p>Comments and justification for the regional recommendation to NCWM: (This will appear in NCWM reports)</p> <p>The Committee agrees with comments heard from the body that this proposal is unclear and a blanket exemption for certain devices in the same category would be contrary to the NCWM mandate to create equity in the market place and could create a competitive edge against other fuels or competing devices. Additionally, the ten year exemption in an evolving technological field is not appropriate. Some suggestions were heard that the proposal could conflict with User Requirements and allow a generation of devices to be used for ten years without compliance. Therefore, the Committee recommends this proposal be Withdrawn.</p>

EVF-21.2 A.2. Exceptions

EVF-21.2
<p>Regional recommendation to NCWM on item status:</p> <p> <input type="checkbox"/> Recommend as a Voting Item on the NCWM agenda <input type="checkbox"/> Recommend as an Information Item on the NCWM agenda <input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i> <input type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i> <input checked="" type="checkbox"/> Recommend Withdrawal of the Item from the NCWM agenda <i>(In the case of new proposals, do not forward this item to NCWM)</i> <input type="checkbox"/> No recommendation from the region to NCWM <i>(If this is a new proposal, it will not be forwarded to the national committee by this region)</i> </p>
<p>Comments and justification for the regional recommendation to NCWM: (This will appear in NCWM reports)</p> <p>The Committee agrees with the body that this proposal has no merit and should be considered a Withdrawn Item. During the open hearings, the Committee heard multiple comments that the proposal was too vague and allowed for instances where devices used in commerce would be exempted from testing. All commercial weighing and measuring devices are subject to NIST HB44 regulations and non-public devices can still be used commercially. The national work group could not come to a consensus on this item.</p>

EVF-20.1 D S.1.3.2. EVSE Value of the Smallest Unit.

EVF-20.1
No report due to the constraints of holding a virtual meeting.

EVF-21.3 S.1.2. EVSE Indicating Elements, S.2.4.1. Unit Price, S.2.5. EVSE Money-Value Computations., S.2.7. Indication of Delivery

EVF-21.3
Regional recommendation to NCWM on item status:
<input type="checkbox"/> Recommend as a Voting Item on the NCWM agenda <input type="checkbox"/> Recommend as an Information Item on the NCWM agenda <input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i> <input checked="" type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i> <input type="checkbox"/> Recommend Withdrawal of the Item from the NCWM agenda <i>(In the case of new proposals, do not forward this item to NCWM)</i> <input type="checkbox"/> No recommendation from the region to NCWM <i>(If this is a new proposal, it will not be forwarded to the national committee by this region)</i>
Comments and justification for the regional recommendation to NCWM: (This will appear in NCWM reports)
The Committee agrees with the body that this item has merit, but due to the emerging technology, more analysis is needed. There are also concerns that charging stations do not have indicators and different vehicle indicators or apps may not be equally effective as measuring tools. Therefore the Committee recommends this proposal to be considered a Developing Item. A comment was heard that the national work group anticipates the display will be app based but has concerns with specific language of open ended device/display types, such as vehicle user interfaces which may not be as well developed.

EVF-21.4 S.3.3. Provision for Sealing

EVF-21.4
Regional recommendation to NCWM on item status:
<input checked="" type="checkbox"/> Recommend as a Voting Item on the NCWM agenda <input type="checkbox"/> Recommend as an Information Item on the NCWM agenda <input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i> <input type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i> <input type="checkbox"/> Recommend Withdrawal of the Item from the NCWM agenda <i>(In the case of new proposals, do not forward this item to NCWM)</i> <input type="checkbox"/> No recommendation from the region to NCWM <i>(If this is a new proposal, it will not be forwarded to the national committee by this region)</i>
Comments and justification for the regional recommendation to NCWM: (This will appear in NCWM reports)
The Committee agrees with the body that this proposal be considered a Voting Item. This item was submitted by NIST on behalf of the national work group, which believed it was fully developed and ready to be voted on. There

is some concern that the electronic logger may provide an imposition for W&M inspectors that do not have a smart phone/laptop/internet service, but the User Requirement of assistance from the device owner should resolve any concerns. LMD 21.1 has a similar proposal and should have language aligned for the sake of consistency.

EVF-19.1 V S.3.5. Temperature Range for System Components, and S.5.2. EVSE Identification and Marking Requirements.

EVF-19.1
No report due to the constraints of holding a virtual meeting.

EVF-21.5 T.2. Load Test Tolerances.

EVF-21.5
Regional recommendation to NCWM on item status:
<input type="checkbox"/> Recommend as a Voting Item on the NCWM agenda <input type="checkbox"/> Recommend as an Information Item on the NCWM agenda <input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i> <input type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i> <input checked="" type="checkbox"/> Recommend Withdrawal of the Item from the NCWM agenda <i>(In the case of new proposals, do not forward this item to NCWM)</i> <input type="checkbox"/> No recommendation from the region to NCWM <i>(If this is a new proposal, it will not be forwarded to the national committee by this region)</i>
Comments and justification for the regional recommendation to NCWM: (This will appear in NCWM reports)
The Committee agrees with the body that this item has no merit as there is lack of sufficient data. The committee recommends that the proposal be Withdrawn. During open hearings, the Committee heard comments that the national work group could not come to a consensus on this item. There are concerns that consumers would be unaware of different devices in the same category operating on different tolerances. More data needs to be offered to show accuracy capabilities. Tolerance parameters set until 2033 is too distant for this fast paced technological field that is rapidly changing.

EVF-21.6 Definitions: minimum measured quantity (MMQ)

EVF-21.6
Regional recommendation to NCWM on item status:
<input checked="" type="checkbox"/> Recommend as a Voting Item on the NCWM agenda <input type="checkbox"/> Recommend as an Information Item on the NCWM agenda <input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i> <input type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i> <input type="checkbox"/> Recommend Withdrawal of the Item from the NCWM agenda <i>(In the case of new proposals, do not forward this item to NCWM)</i> <input type="checkbox"/> No recommendation from the region to NCWM

<i>(If this is a new proposal, it will not be forwarded to the national committee by this region)</i>
Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i> The Committee agrees with the body that this proposal should be considered a Voting Item. This item was submitted by NIST and supported by the national work group. There is an error in the agenda and the item under consideration should read section 3.40, not Appendix D. This item duplicates the definition in Appendix D and provides a needed definition for a term being used (MMQ) within the tentative code. The item received no opposition during the open hearing.

EVF-20.2 V Definitions: submeter

EVF-20.2
No report due to the constraints of holding a virtual meeting.

TXI – TAXIMETERS

See Block 3 Items: Tolerances for Distance Testing.

TIM – TIMING DEVICES CODE

TIM-20.1 V S.1.1.3. Value of Smallest Unit.

TIM-20.1
No report due to the constraints of holding a virtual meeting.

GMA – GRAIN MOISTURE METERS 5.56 (A)

GMA-20.1 V S.2.5. Provisions for Sealing.

GMA-20.1
No report due to the constraints of holding a virtual meeting.

GMA-19.1 D Table T.2.1. Acceptance and Maintenance Tolerances Air Oven Method for All Grains and Oil Seeds.

GMA-19.1
No report due to the constraints of holding a virtual meeting.

MDM – MULTIPLE DIMENSION MEASURING DEVICES

MDM-20.1 V S.1.3. Negative Values, S.1.6. Customer Indications and Recorded Representations, S.1.7. Minimum Measurement, S.1.8. Indications Below Minimum and Above Maximum, S.2. Design of Zero Fare
Dimensional Offset
and Appendix D – Definitions: dimensional offset

MDM-20.1
No report due to the constraints of holding a virtual meeting.

BLOCK 3 ITEMS (B3) TOLERANCES FOR DISTANCE TESTING IN TAXIMETERS AND TRANSPORTATION NETWORK SYSTEMS

ITEM BLOCK 3
No report due to the constraints of holding a virtual meeting.

OTH – OTHER ITEMS

OTH-16.1 D Electric Watthour Meters Code under Development

OTH-16.1
No report due to the constraints of holding a virtual meeting.

OTH-21.1 Appendix A – 2.1. Acceptance and Maintenance Tolerances.

Source:

OTH-21.1
<p>Regional recommendation to NCWM on item status:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Recommend as a Voting Item on the NCWM agenda <input type="checkbox"/> Recommend as an Information Item on the NCWM agenda <input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i> <input checked="" type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i> <input type="checkbox"/> Recommend Withdrawal of the Item from the NCWM agenda <i>(In the case of new proposals, do not forward this item to NCWM)</i> <input type="checkbox"/> No recommendation from the region to NCWM <i>(If this is a new proposal, it will not be forwarded to the national committee by this region)</i>
<p>Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i></p> <p>The Committee agrees with the body that this proposal has merit and recommends that it be considered a Developing Item. During the open hearings, the Committee heard comments that the submitter has been working on this item and removed a conflicting statement. There are still some questions on routine maintenance and what</p>

precisely qualifies as an adjustment. There are also concerns that a device owner who responsibly maintains their equipment may be held to higher tolerances than an individual that does not properly maintain their equipment.

OTH-20.1 V Appendix D – Definitions: submeter (Now Item EVF-20.2)

OTH-20.1 (Now Item EVF-20.2)

No report due to the constraints of holding a virtual meeting.

Mr. Brad Bachelder, Maine | Committee Chair & NCWM Representative
Mr. Jason Flint, New Jersey | Member
Mr. Jim Willis, New York | Member
Vacant | AMC Representative

Specifications and Tolerances Committee