

**WWMA Specifications and Tolerances (S&T) Committee
2022 Annual Meeting
Agenda Addendum**

Mr. Matt Douglas, Committee Chair
California

INTRODUCTION

The Specifications and Tolerances (S&T) Committee (hereinafter referred to as “Committee”) submits its Report to the Western Weights and Measures Association (WWMA). The Report consists of the WWMA 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 WWMA and its recommendations to the NCWM Specifications and Tolerances Committee.

Subject Series List

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

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**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-23.1 D G-N.3. Test Methods

GEN-23.1
<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>During the WWMA 2022 Annual Meeting the following comments were received: Robert Murnane (Seraphin Test Measure Company) – Provided the reason for this addition, rather than add paragraphs for each code regarding use of testing equipment (it resides in Appendix A; puts it out there for everyone) putting it in the general code will keep us from having to go back to it. He recommends this as a voting item.</p> <p>Michael Keilty (Endress+Hauser) Opposes this item. Mr. Murnane also submitted the item under block 8. Everything in this proposal is repeated in block 8 by the fundamental considerations, it's redundant. Recommends withdrawal.</p> <p>During open hearings there was testimony heard about redundancy between this item and Block 8. The WWMA S&T Committee recommends that this item be assigned a developing status with the recommendation that the submitters of GEN-23.1 and Block 8 make one cohesive item or develop them in tandem and reduce redundancies.</p>

SCL – SCALES

SCL-23.1 D S.1.12. Manual Weight Entries

SCL-23.1
<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>

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<p>Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting the following comments were received: Kurt Floren (County of Los Angeles) - He has questions: feels this needs a lot of work and explanation. It's going in the scales code to be a specific performance requirement for the approval. Until it's installed you don't know if it's in a direct sale application. SUB A: speaks to the interface – doesn't know what that means. Look at C: if you are pre-packing and labeling standard packages this isn't a direct sale application. Part B and D are also not a direct sale application. Mr. Floren has further questions on the item and believes that it should not be supported as a voting item but at best developing.</p> <p>Raymond Johnson (Fairbanks Scales, representing the Scale Manufactures Association) - The SMA has not met and has not formulated a position on this item. The SMA is scheduled to meet in November.</p> <p>Matt Douglas (State of California, Division of Measurement Standards) - Agrees with Mr. Floren. At the very least the language needs a lot of wordsmithing. It's retroactive and this would introduce a third retroactive date with double asterisk. S.12 is for direct sales. Content should be broken into two sections.</p> <p>During open hearings there was testimony that the SMA has not evaluated this proposal with a position at this point. Many questions were brought up in open hearings regarding the direct sale application which conflicts with the subsections, and the non-retroactive date formatting, these should be addressed for the item to move forward. The WWMA S&T Committee recommends that this item be assigned a developing status.</p>

SCL-23.2 D Table S.6.3.a. Marking Requirements, and Table S.6.3.b. Notes for Table S.6.3.a. Marking Requirements

SCL-23.2
<p>Regional recommendation to NCWM on item status:</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 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>During the WWMA 2022 Annual Meeting the following comments were received:</p>

Kurt Floren (County of Los Angeles) - Doesn't know what the definition is for vehicle type, it's not defined in any way. Seems short of complete, not ready for vote.

Raymond Johnson (Fairbanks Scales, representing the Scale Manufactures Association) - The SMA has not met and has not formulated a position on this item. The SMA is scheduled to meet in November.

Matt Douglas (State of California, Division of Measurement Standards)
 Concurs with Mr. Floren and has the same question about vehicle types. "X" is under the weighing element column but applies to the indicator, if it applies to both, the X it should be in both.

Aaron Yanker (Colorado Dept of Agriculture) – Agrees with Mr. Floren’s comments.

During open hearings there was testimony that the SMA has not evaluated this proposal with a position at this point. Questions were brought up in open hearings regarding “vehicle types”, and the proposed change to the markings table in the 2.20. Scales Code. The WWMA S&T Committee recommends that this item be assigned a developing status.

SCL-22.2 A UR.1. Selection Requirements, UR.1.X. Cannabis

SCL-22.2
<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 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>
<p>Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting the following comments were received: Charles Rutherford (NCWM Cannabis Task Group) - Everything in this book isn't updated. They have added "and cannabis" to Table 7. cannabis talks about cannabis and hemp. They expect to finish soon. What is in the book is old and doesn't apply any more.</p> <p>During open hearings, due to timing constraints, the committee did not take comments on assigned items. The committee did allow the source to provide updates on these items. An update from the NCWM Cannabis Task Group co-chair Charlie Rutherford was provided. The WWMA S&T Committee recommends that this item remain assigned.</p>

WIM – WEIGH-IN-MOTION SYSTEMS – TENTATIVE CODE

WIM-23.1 D Remove Tentative Status and Amend Numerous Sections Throughout

WIM-23.1
<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 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>
<p>Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting the following comments were received:</p> <p>Tanvi Pandya (New York City DOT) - Technologies have moved on. They have data since 2019 showing that accuracy can be met. It cannot be overstated: the number of overweight vehicles out there need to be regulated. There is no reason why we cannot move forward. The Handbook is outdated and needs to be updated to provide a way to enforce.</p> <p>Chaekuk Na (Rutgers University) - We tried to meet the standard, we got less than 6% error with 100% compliance. Indiana DOT tested and received results within 5% error.</p> <p>Jess Helmlinger (Kistler Group) – With regard to test loads, testing occurred with both loaded and unloaded vehicles in live traffic for fairness. Changing this had no impact. In the current tentative code the tolerances are wide. How to test – use live trucks and a reference scale. This is for law enforcement and not commercial. We have worked with NIST and a multitude of states. This is intended for states that want to use automated enforcement and would not force anyone to use it. The team believes that it is fully developed, has merit, and asks for voting status.</p> <p>Matt Douglas (S&T Committee) - There is a line inside of the tolerance table that I have a question about. On the last line in the table, it says that the gross vehicle weight shall be +/- 10% but it also says +/- 6%, purpose of second statement?</p> <p>Jess Helmlinger (Kistler Group) - 6% for gross vehicle weight, 95% compliance. None of those can have more than 5% of the values outside of that or they will fail. If any value is outside of 10% accuracy, then it fails the test. 95% of the values have to be within the values.</p> <p>Jan Konijnenburg (NIST Associate) - NIST has been involved but has not reviewed the proposal in detail to come to a conclusion. The WIM code that currently exists is idle and obsolete. This is a new kind of WIM system enforcement. I'm looking forward to how this will develop. No recommendation at this point.</p> <p>Raymond Johnson (Fairbanks Scales, representing the Scale Manufacturers Association) - The SMA has not met and has not formulated a position on this item. The SMA is scheduled to meet in November.</p> <p>Matt Douglas (State of California, Division of Measurement Standards) - Believes that there is some merit to some of this. Recommended keeping accuracy class “A” and add accuracy class “E”.</p> <p>Kenn Burt (S&T Committee) - Has industry seen this and understand what they might be dealing with?</p>

Tanvi Pandya (New York City DOT) - They have met regularly and pulled together a task force. They have discussed this for the past several months. They have not directly engaged with the trucking industry. They have spoken with the freight industry in general.

Jess Helmlinger (Kistler Group) – The Commercial Vehicle Safety Alliance (CVSA) has been made aware.

During open hearings there was testimony that neither the SMA nor NIST has evaluated this proposal, the committee looks forward to the NIST and SMA analysis of this item. Questions about the tolerance table “T.2.2. Tolerances for Accuracy Class E” regarding the last line in the table were asked – the submitter clarified this statement during the committee work session, the committee recommended that the submitter consult 2.20. Scales Code for similar applications. The WWMA S&T Committee recommends that this item be assigned a developing status.

LMD – LIQUIDE MEASURING DEVICES

LMD-23.3 W Automatic Temperature Compensation Task Group

LMD-23.3
<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: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting the following comments were received:</p> <p>Prentiss Searles [American Petroleum Institute (API)] - This is not a complete request; this task was addressed several years ago. There is no change in data or outcome, and we don't need to revisit.</p> <p>Scott Simmons (Colorado Division of Oil and Public Safety) - Agrees with Mr. Searles' comments.</p> <p>Kevin Schnepf (State of California, Division of Measurement Standards) - The State of California did a study and concluded that the cost far outweighed the benefit. Recommends withdraw of item.</p> <p>During open hearings, comments from the floor supported the withdrawal of this item. The WWMA S&T Committee feels that this item is not a complete proposal, that the proposal does not have merit as the topic has previously been reviewed and recommends that this item be withdrawn.</p>

LMD-23.4 D N.3.5. Wholesale Devices.

LMD-23.4
<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>During the WWMA 2022 Annual Meeting the following comments were received:</p> <p>Prentiss Searles (API) - Wanted to re-enforce the 1996 goal to remove test conditions that restrict the use of small volume provers. The director has the authority to use or not use the device. Spoke about what a captive displacer is. Worked with NIST on this. There was a concern at the Annual conference that someone could take a 100-gallon prover and use multiple drafts to test a meter with a 500 gallon per minute flow rate, so they added language to address that. They are ANSI accredited. 95% confidence level that you will be within .029%.</p> <p>Letitia Arriaga (Marathon Petroleum) - Supports this item. Acknowledges the change from 1996 and removes the restriction that prohibits it.</p> <p>Brent Price (Gilbarco) - Supports this item. He is concerned that this could be restrictive, 50 gallons is a lot for a proving size. He likes the wording as is with 1-minute maximum flow rate. Agrees with the Central Region's edits.</p> <p>Prentiss Searles (API) – The proposed language from the presentation is ready for a vote.</p> <p>Michael Keilty (Endress+Hauser) - Would not disagree with the use of small volume provers. Works on these standards all of the time. As it pertains here in changes to HB 44, he can't support this revision and does not support this moving forward as a voting item. It doesn't address the issue at hand, which is the small sample size. This only massages the language. He recommends that this item should be a sub-paragraph, as in Block 1. He recommends that this item remain developing.</p> <p>Prentiss Searles (API) - It is not capturing the entire amount that is being delivered, it's 20 gallons. You will recognize a representative sample, that's what the 20 gallon prover does. The captive displacer can test holding 20 gallons with a resolution of 4 digits from the decimal. It is capable of hitting the accuracy that is required. We believe that it is ready for a vote.</p> <p>Michael Keilty (Endress+Hauser) - Because of the math that Prentiss described, if it is a 20 gallon captive displacement prover the flow computer math says that it's 40 gallons. It's double and that's what the volume is.</p> <p>During open hearings, the submitter provided a presentation (which will be submitted to the NCWM) which contained updated language to the proposal. The WWMA S&T Committee recommends that this item be assigned a developing status with the further recommendation that the submitter of this item and Block 5 item LMD-23.2 work together to develop language that will support both of their purposes; including taking into consideration the testimony heard during open hearings.</p>

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
<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 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>
<p>Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting the following comments were received:</p> <p>Scott Simmons (Colorado Division of Oil and Public Safety) - Support this item. Flushing is happening already. It is dangerous to flush into the tank. You can run different products through the electronic meters very easily due to multipoint calibration. They need to be able to flush products through and do so safely. He thinks this is fully developed and it's time for it to pass and be part of the code.</p> <p>Michael Keilty (Endress+Hauser) – He is Chairman of the NTEP Measuring Sector. We talked about test drafts and this item. The Measuring Sector has no recommendations. The absence of the word electronic; how would you do this with an analog system? It was described that you cannot do this with an analog system.</p> <p>Kevin Schnepf (State of California, Division of Measurement Standards) - While not opposed to this item, wants to bring up that his concerns have not been addressed, “radically different characteristics” and “not recommended” is not an avenue for enforcement. Needs further developing.</p> <p>Scott Simmons (Colorado Division of Oil and Public Safety) - It may not be appropriate for older analog devices; however, they have been doing it and will continue to do it on the newer technology. Does not need to be retroactive. Agrees with Mr. Schnepf to a point but doesn't want that to prevent this from going forward.</p> <p>During open hearings, the committee heard testimony in support of the item but there are concerns about language contained in UR.2.6.2. including “radically different” and “not recommended” with reference to enforceability. There were also comments regarding applicability to analog devices. The WWMA S&T Committee recommends that this item be assigned a developing status.</p>

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

VTM-20.2
<p>Regional recommendation to NCWM on item status:</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 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: (This will appear in NCWM reports)
<p>During the WWMA 2022 Annual Meeting the submitter not present, no comments were heard.</p> <p>During open hearings, due to timing constraints, the committee did not take comments on assigned items. The committee did allow the source to provide updates on these items. No update was provided. The WWMA S&T Committee recommends that this item remain assigned.</p>

LPG – LIQUIFIED PETROLEUM GAS AND ANHYDROUS AMMONIA LIQUID-MEASURING DEVICES

LPG-22.3 W S.2.5. Zero-Set-Back Interlock., S.2.5.2. Zero -Set-Back Interlock for Stationary Customer -Operated Electronic Retail Motor-Fuel Devices.

LPG-22.3
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 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)
<p>During the WWMA 2022 Annual Meeting the following comments were received: Konrad Philatowicz (U-Haul International, Inc.) - It is the intention to withdraw this item in favor of LPG-23.1.</p> <p>During open hearings, the submitter confirmed their intention to withdraw this item in preference of LPG-23.1. The WWMA S&T Committee recommends that this item be withdrawn.</p>

LPG-23.1 V S.2.5. Zero-Set-Back Interlock

LPG-23.1
<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>During the WWMA 2022 Annual Meeting the following comments were received: Konrad Philatowicz (U-Haul International, Inc.) - Section 2.5.1 gives the general rule regarding the zero set back interlocks. That allows for manual and electronic meters to not meet the same standard. This makes perfect sense. Section 2.5.2 refers to motor fuel dispensing devices and the word electronic is missing from the title. The changes address NIST and industry concerns. Asks that this be a voting item at the national meeting.</p> <p>Scott Simmons (Colorado Division of Oil and Public Safety) - In support of this item for voting.</p> <p>During open hearings, comments were heard supporting a voting status. The WWMA S&T Committee believes that this item has merit, is fully developed, and recommends that this item be assigned a voting status.</p>

LPG-23.2 V S.2.6. Automatic Timeout.

LPG-23.2
<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>

During the WWMA 2022 Annual Meeting the following comments were received:
 Scott Simmons (Colorado Division of Oil and Public Safety) - In support of this item for voting. From the bobtail delivery driver perspective this makes sense. The automatic timeout will be beneficial. He doesn't see any detriment.

Kevin Schnepf (State of California, Division of Measurement Standards) - Agrees with Mr. Simmons' comments.

During open hearings, comments were heard supporting a voting status. The WWMA S&T Committee believes that this item has merit, is fully developed, and recommends that this item be assigned a voting status.

LPG-15.1 W N.3. Test Drafts.

LPG-15.1
<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 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>Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting the following comments were received: Michael Keilty (Endress+Hauser) - "Flow USA, Inc." has changed name. An update was provided on this and MFM-15.1. Last year WWMA S&T recommended that these remain under development, and this was forwarded to the NCWM. At the Southern, the S&T committee proposed the item for a vote, both passed at the Southern. The Central heard comments that this should be moved for voting. He asked the S&T committee to revise the titles; that revised language is now before us. The NCWM interim committee comments found on S&T 209, lines 6-10. There is an error on lines 11-15, Tina Butcher is not a submitter. I will provide my comments to the committee by email. He is now proposing to amend LMD-23.1, VTM-23.1 and MLK-23.1. These field standards will be traceable and will increase productivity. I ask the committee to accept LPG-15.1. Please move these items forward as a voting item.</p> <p>Robert Murnane (Seraphin Test Measure Company) - Not opposed to these meters in any way. Have some questions for the committee: the purpose is to amend HB44, what does the language in section N.3.2 have to do with the purpose statement? Will Weights and Measures Officials enforce section N.3 or N.3.2 when testing? How will we know which meters are acceptable and which are not? Request that this item be withdrawn and proposes harmonizing the drafts between the two. Change N.3 to read that test drafts should be equal at least the amount delivered by the device in one minute at the flow rate being tested. Then there is not any need for N.3.2., this is already addressed in the fundamental considerations.</p> <p>Matt Douglas (State of California, Division of Measurement Standards) - I do not think this language is helpful. This has been on the agenda for 8 years. Recommends this item be withdrawn.</p>

During open hearings, the committee heard conflicting comments including that the purpose of this item is better addressed in Block 8. WWMA S&T Committee recommends that this item be withdrawn with the recommendation that the submitter combine their efforts with the submitters of Block 8.

MLK – MILK METERS

MLK-23.2 A Table T.1. Tolerances for Milk Meters

MLK-23.2
<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 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>
<p>Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting the following comments were received: Michael Keilty (Endress+Hauser) - Wanted to alert the committee that the Chairman of the Task Group no longer works for the State of Kansas, leaving a vacancy for the Chair position.</p> <p>Matt Douglas (State of California, Division of Measurement Standards) - Recommends that this be combined with VTM-20.2 and recommends assignment to the Milk Meter Tolerance Task Group.</p> <p>In the original justification, the submitter recommended that this item be blocked with VTM-20.2. The WWMA S&T Committee recommends that this item be assigned to the Milk Meter Tolerance Task Group and that this item be blocked with VTM-20.2.</p>

MFM – MASS FLOW METERS

MFM-15.1 W N.3. Test Drafts.

MFM-15.1
<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 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>Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting the following comments were received:</p> <p>Robert Murnane (Seraphin Test Measure Company) - What does adding the language do? What data has been provided to support the change to 1 minute? Is it acceptable for Weights and Measures Officials to be prohibited from testing mass flow meters using any draft size equal to or greater than the MMQ over the range of flow rates? Currently code allows for conducting tests specified by the manufacture of the meter. This would increase the size of the drafts. Will HB44 have to be changed every time a new field standard is introduced? The proposed item is not necessary. Requests that this item be withdrawn from consideration.</p> <p>Jan Konijnenburg (NIST Associate) - NIST position: the purpose of this item is better addressed in Block 8 and opposes this item as it is written.</p> <p>Michael Keilty (Endress+Hauser) - To comment on Mr. Murnane's comments: he has submitted comments in June and wants to respond to those comments. Whenever there is a new technology we must write codes. It is appropriate to make changes to HB44. You have to refer to HB44 to see if a meter is acceptable. These devices will be traceable and vetted by the director or metrologist. The MMQ test is not done normally. I looked at the certificates that were issued and 3 of the certificates are of the same meter, used by two companies in the U.S. it is impractical and unsafe to try to collect an MMQ sample at the maximum flow rate. I will forward my comments to the committee in an email. Recommends that this item move forward as a voting item.</p> <p>Scott Wagner (State of Colorado) – Section N.3.2 transfer test, the concern is that the 2 minute test draft might affect the EPO for testing CNG meters and would make it restrictive.</p> <p>Robert Murnane (Seraphin Test Measure Company) –</p> <p>Matt Douglas (State of California, Division of Measurement Standards) - I do not think this language is helpful. This has been on the agenda for 8 years. Recommends this item be withdrawn.</p> <p>During open hearings, the committee heard conflicting comments including that the purpose of this item is better addressed in Block 8. WWMA S&T Committee recommends that this item be withdrawn with the recommendation that the submitter combine their efforts with the submitters of Block 8.</p>

HGM – HYDROGEN GAS-MEASURING DEVICES

HGM-23.1 D UR.3.8. Safety Requirement

HGM-23.1
<p>Regional recommendation to NCWM on item status:</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

<p><i>(To be developed by an NCWM Task Group or Subcommittee)</i></p> <p><input checked="" type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i></p> <p><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></p> <p><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: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting the following comments were received: Kevin Schnepf (State of California, Division of Measurement Standards) - Has worked with the submitter. J-2601 is a requirement for operating in the state of California. This is a safety protocol. This is both a standard and a test method. The design parameters for the equipment meet the standard. This is not a type evaluation requirement, it is a user requirement. Supports this item.</p> <p>The WWMA S&T Committee feels that this item has merit and recommends that this item be assigned a developing status with consideration to the concerns identified during open hearings.</p>

EVF – ELECTRIC VEHICLE FUELING SYSTEMS

EVF-21.1 W 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</p> <p><input type="checkbox"/> Recommend as an Information Item on the NCWM agenda</p> <p><input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i></p> <p><input type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i></p> <p><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></p> <p><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: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting the following comments were received: Francesca Wahl (TESLA) - We have been working on this with the National NIST workgroup and have been making good progress. However, we have made some significant modification and have submitted EVF-23.6. We were not able to get a formal vote of the workgroup. Comments apply to this and EVF-21.5. We recommend that EVF-21.1 and EVF-21.5 remain developing.</p> <p>Kurt Floren (County of Los Angeles) - Continues to question the justification of what is proposed here (A 10 year moratorium). Opposes this item and encourage the committee to propose nothing more than to keep this developmental.</p> <p>Kevin Schnepf (State of California, Division of Measurement Standards) - I recommend that this be withdrawn for many reasons. A 10-year exemption is not warranted and is not applicable and does not belong in the handbook.</p>

Jose Arriaga (Orange County, California) - This item should be withdrawn and analyzed, putting in 10 years is unnecessary.

During open hearings comments were heard questioning the justification of a 10-year exemption. WWMA S&T Committee agrees that a 10-year exemption is not justifiable while there are currently available devices which meet the code and recommends that this item be withdrawn.

EVF-21.5 W T.2. Load Test Tolerances.

EVF-21.5
<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 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>Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting the following comments were received:</p> <p>Francesca Wahl (TESLA) - We have been working on this with the National NIST workgroup and have been making good progress. However, we have made some significant modification and have submitted EVF-23.6. We were not able to get a formal vote of the workgroup. Comments apply to this and EVF-21.5. We recommend that EVF-21.1 and EVF-21.5 remain developing.</p> <p>Kevin Schnepf (State of California, Division of Measurement Standards) – Doesn't think it's applicable given the state of current technology. Recommend withdrawal.</p> <p>Kurt Floren (County of Los Angeles) – Agrees with Mr. Schnepf's comments.</p> <p>During open hearings, comments were heard that the language was outdated and not applicable given the state of current technology. The WWMA S&T Committee recommends that this item be withdrawn.</p>

EVF-23.1 V S.2.5.1., S.8., S.5.3.(d), N.1., T.5., N.2., T.6., Appendix D—Definitions; megajoule (MJ)

EVF-23.1
<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>During the WWMA 2022 Annual Meeting the following comments were received: Scheleese Goody (Electrify America) - Generally okay with this item. Doesn't recall if there was a consensus on the Kw Hour. The pinging of the back-end system could go past the capabilities of the charger and there is no added benefit to the customer. We suggest that the 0.01 kilowatt hour be removed.</p> <p>Kevin Schnepf (State of California, Division of Measurement Standards) - Can stand in support of the item. Recommend that the 0.01 issue be addressed.</p> <p>Francesca Wahl (TESLA) - I second the comments regarding the 0.01 item recommendation.</p> <p>Chris King (Siemens) – Agrees with Tesla.</p> <p>During open hearings, comments were heard supporting a voting status with exception of the “0.01 kWh” edit in the section S.2.5.1. portion of the proposal. The WWMA S&T Committee believes that this item has merit, and recommends that this item be assigned a voting status with the following edit:</p> <p style="padding-left: 40px;">S.2.5.1. Money-Value Divisions Digital. – An EVSE with digital indications shall comply with the requirements of paragraph G-S.5.5. Money-Values, Mathematical Agreement, and the total price computation shall be based on quantities not exceeding 0.5 MJ or 0.01 kWh 0.1 kWh.</p> <p><u>(Amended 202X)</u></p> <p>The WWMA S&T Committee would also like the submitter to address the formatting of their proposal to meet NCWM standard editing requirements.</p>

EVF-23.2 W S.2.7. Indication of Delivery

EVF-23.2
<p>Regional recommendation to NCWM on item status:</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>Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i></p>

During the WWMA 2022 Annual Meeting the following comments were received:

Chris King (Siemens) - The voting item was approved at the NCWM. It all comes down to customer choice as well as cost. Most models do not have this indicator. All of them provide the info to the customer through an app and it has worked well for years. We support extending this to the face of the EVSE. The models that do have this are 2 to 3 times more expensive. allowing this change would reduce costs for customers buying this EVSE.

Kevin Schnepf (State of California, Division of Measurement Standards) - California already has this requirement for AC. I want to caution this body; they are proposing a device that puts the onus on the customer. This is wrong. There are 16 devices already approved that meet the requirements. I recommend withdrawal.

Francesca Wahl (TESLA) – Agrees with Siemens.

During open hearings, comments were heard that there are already AC devices which meet this requirement. The WWMA S&T Committee recommends that this item be withdrawn.

EVF-23.3 V S.2.7. Indication of Delivery

EVF-23.3
<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>During the WWMA 2022 Annual Meeting the following comments were received: Francesca Wahl (TESLA) - We believe this be withdrawn. Two months ago the 2028 date was adopted. There is no real merit in moving up to the 2025 date.</p> <p>Scheleese Goody (Electrify America) – Agrees with TESLA.</p> <p>Kevin Schnepf (State of California, Division of Measurement Standards) - Stands to support this item. Thinks that 2028 is too long of an exemption, technology can already meet the requirements. Supports a voting status.</p> <p>Chris King (Siemens) - Support the comments of TESLA.</p> <p>During open hearings comments were heard that there are existing devices which have this capability. The WWMA S&T Committee believes that this item has merit, is fully developed, and recommends that this item be assigned a voting status.</p>

EVF-23.4 D S.5. Markings, and N.5. Test of an EVSE System.

EVF-23.4
<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>

During the WWMA 2022 Annual Meeting the following comments were received:

Scheleese Goody (Electrify America) - We oppose this proposal and recommend that it be withdrawn. The 30 amps is too small and too low for the 10% accuracy testing.

Chris King (Siemens) - Agrees with Electrify America's comments. This would add significantly to the expense of setting up and running an operation. We recommend withdrawal of this.

Francesca Wahl (TESLA) - We also recommend withdrawal, supporting the previous comments. We think it can be developed, that there is merit, but this item is not consistent with the working group and is not ready yet.

Kevin Schnepf (State of California, Division of Measurement Standards) - There is some concern about the language for specifications and tolerances. Recommends development and that it be assigned to a work group.

During open hearings, comments were heard that contents in this item were previously discussed in the USNWG but there was not an official position. There were also comments that the item is not fully developed.

The WWMA S&T Committee recommends that this item be blocked with item EVF-23.7, that the block including both items be assigned a developing status. The WWMA S&T Committee also recommends that the submitters work with USNWG to address the comments heard during open hearings, and to develop one proposal.

EVF-23.5 D S.5.2. EVSE Identifications and Marking Requirements, and T.2. Load Accuracy Test tolerances.

EVF-23.5
<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>During the WWMA 2022 Annual Meeting the following comments were received: Francesca Wahl (TESLA) - This item looks to moving up the date that was recently adopted at the NCWM, from 2028 to 2025. Opposes. We request that this item be withdrawn or brought into harmony EVF-23.6.</p> <p>Scheleese Goody (Electrify America) – Agrees with TESLA.</p> <p>Chris King (Siemens) - Agrees with TESLA.</p> <p>During open hearings, comments were heard that contents in this item were previously discussed in the USNWG but there was not an official position. There were also comments that the item is not fully developed.</p> <p>The WWMA S&T Committee recommends that this item be blocked with item EVF-23.6, that the block including both items be assigned a developing status. The WWMA S&T Committee also recommends that the submitters work with USNWG to address the comments heard during open hearings, and to develop one proposal.</p>

EVF-23.6 D S.5.2. EVSE Identification and Marking Requirements., and T.2. Tolerances.

EVF-23.6
<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>During the WWMA 2022 Annual Meeting the following comments were received:</p> <p>Scheleese Goody (Electrify America) – This will accomplish two things. Metering technology for DC chargers are now becoming available. Previously installed devices will not be able to meet the 1 and 2% tolerances. There was a vote 11-1 in favor. The 1 no vote said that it would have been a yes if there was a 10-year sunset and we have incorporated that. Devices would be marked for the public and inspectors. We request that this be put forward as a voting item.</p> <p>Kevin Schnepf (State of California, Division of Measurement Standards) - This was discussed in the National workgroup. He recommends that a task group be assigned to verify which items were in a consensus and which were not. I think we need a hard stop date; we don't currently have one with the current language. I do not agree with the "or" statement.</p> <p>Francesca Wahl (TESLA) - Agrees with the comments made by Electrify America. It is supposed to be a hard stop and we support the removal of the "or".</p> <p>Chris King (Siemens) – Agrees with Tesla.</p> <p>During open hearings, comments were heard that contents in this item were previously discussed in the USNWG but there was not an official position. There were also comments that the item is not fully developed.</p> <p>The WWMA S&T Committee recommends that this item be blocked with item EVF-23.5, that the block including both items be assigned a developing status. The WWMA S&T Committee also recommends that the submitters work with USNWG to address the comments heard during open hearings, and to develop one proposal.</p>

**EVF-23.7 D ~~N.1. No Load Test, N.2. Start in Load Test., N.5.2. Accuracy Testing, And~~
Appendix D: maximum deliverable amperes.**

EVF-23.7
<p>Regional recommendation to NCWM on item status:</p> <p><input type="checkbox"/> Recommend as a Voting Item on the NCWM agenda</p> <p><input type="checkbox"/> Recommend as an Information Item on the NCWM agenda</p> <p><input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i></p> <p><input checked="" type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i></p> <p><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></p> <p><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: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting the following comments were received:</p> <p>Scheleese Goody (Electrify America) – It is written to allow testing at any quantity less than 10%. These tests make inspectors wait and are not meaningful for the accuracy of an EV charger. There was a broad consensus at the USNWG but no official vote was taken. Requests that this be moved forward for voting.</p> <p>Chris King (Siemens) - We do target a 10% accuracy test. We favor this change.</p>

Francesca Wahl (TESLA) - Second the comments by Electrify America and previous speaker. We support it moving forward as voting.

Kevin Schnepf (State of California, Division of Measurement Standards) - Fully support recommendations to strike the no load and starting load tests. I don't think there is consensus from the workgroup. I recommend that this item be discussed with the US National working group to make sure that it is highly agreed upon. If two vehicles are charging at once it cuts the 10% in half. I favor the range between 10 and 20%. I don't think it's ready for a vote, recommend developing.

During open hearings, comments were heard that contents in this item were previously discussed in the USNWG but there was not an official position. There were also comments that the item is not fully developed.

The WWMA S&T Committee recommends that this item be blocked with item EVF-23.4, that the block including both items be assigned a developing status. The WWMA S&T Committee also recommends that the submitters work with USNWG to address the comments heard during open hearings, and to develop one proposal.

GMA – GRAIN MOISTURE METERS 5.56 (A)

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

GMA-19.1
<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 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>Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting no comments were heard on this item.</p> <p>During open hearings, no comments were heard on this item. No additional data or update was received by the committee. The WWMA S&T Committee recommends that this item be withdrawn and encourages the submitter to reintroduce the item when sufficient data is available.</p>

GMA-23.1 D **N.1.3. Meter to Like-Meter Method Transfer Standards and Table T.2.2. Acceptance and Maintenance Tolerances Meter to Like-Meter Method**

GMA-23.1

<p>Regional recommendation to NCWM on item status:</p> <p><input type="checkbox"/> Recommend as a Voting Item on the NCWM agenda</p> <p><input type="checkbox"/> Recommend as an Information Item on the NCWM agenda</p> <p><input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i></p> <p><input checked="" type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i></p> <p><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></p> <p><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: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting no comments were heard on this item.</p> <p>During open hearings, no comments were heard on this item. The WWMA S&T Committee believes that this item has merit and recommends that this item be assigned a developing status to allow for comments on this item. The WWMA S&T Committee would also like the submitter to address the formatting of their proposal to meet NCWM standard editing requirements.</p>

MDM – MULTIPLE DIMENSION MEASURING DEVICES

MDM-22.1 W S.1.7. Minimum Measurement.

<p>MDM-22.1</p>
<p>Regional recommendation to NCWM on item status:</p> <p><input type="checkbox"/> Recommend as a Voting Item on the NCWM agenda</p> <p><input type="checkbox"/> Recommend as an Information Item on the NCWM agenda</p> <p><input type="checkbox"/> Recommend as an Assigned Item on the NCWM agenda <i>(To be developed by an NCWM Task Group or Subcommittee)</i></p> <p><input type="checkbox"/> Recommend as a Developing Item on the NCWM agenda <i>(To be developed by source of the proposal)</i></p> <p><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></p> <p><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: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting no comments were heard on this item.</p> <p>During open hearings, no comments were heard on this item. No additional data or update was received by the committee. The WWMA S&T Committee recommends that this item be withdrawn.</p>

OTH – OTHER ITEMS

OTH-16.1 D Electric Watthour Meters Code under Development

OTH-16.1
<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>During the WWMA 2022 Annual Meeting no comments were heard on this item.</p> <p>During open hearings, no comments were heard on this item. The WWMA S&T Committee recommends that this item should remain developing to allow the USNWG to continue development of the model code.</p>

BLOCK 1 ITEMS (B1) MINIMUM DRAFT SIZE WHEN USING A FIELD STANDARD METER

B1: LMD-23.1 W N.3.5. Wholesale Devices

B1: VTM-23.1 W N.3. Test Drafts

B1: MLK-23.1 W N.3. Test Drafts

ITEM BLOCK 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 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>Comments and justification for the regional recommendation to NCWM: <i>(This will appear in NCWM reports)</i></p> <p>During the WWMA 2022 Annual Meeting the following comments were received:</p> <p>Michael Keilty (Endress+Hauser) - Refers to previous comments regarding LPG-15.1 and MFM-15.1 items. The language is similar to the test draft language. The goal is to aid the States. This one is good. This applies to fuels and neck provers. Many systems are going unchecked due to the rarity of dedicated provers for milk for example. I recommend that Block 1 items be passed forward as a voting item.</p> <p>Robert Murnane (Seraphin Test Measure Company) - I am opposed to this for the same reasons as stated in the discussion about LPG-15.1 and MFM-15.1 items. I don't think we need a different code for a mass flow or LPG meter. Recommends changing N.3. to include test drafts "one minute at the flow rate being tested".</p> <p>During open hearings, the committee heard conflicting comments about these items. The committee takes the positions that the purpose of this item is better addressed in Block 8. WWMA S&T Committee recommends that this item be withdrawn with the recommendation that the submitter combine their efforts with the submitters of Block 8.</p>

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

B2: SCL-20.3 A S.5.4. Relationship of Minimum Load Cell Verification Interval to the Scale

B2: SCL-20.4 A Table 3. Parameters of Accuracy Classes.

B2: SCL-20.5 A Table S.6.3.a. Marking Requirements, Note 3.

Item Under Consideration:

B2: SCL-20.6 A T.N.1.2. Accuracy Classes and T.N.1.3. Scale Division.

B2: SCL-20.7 A Table 6. Maintenance Tolerances

B2: SCL-20.8 A Table 8. Recommended Minimum Load

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: (This will appear in NCWM reports)	
During the WWMA 2022 Annual Meeting no comments were heard on this item.	
During open hearings, due to timing constraints, the committee did not take comments on assigned items. The committee did allow the source to provide updates on these items. No update was provided to the committee. The WWMA S&T Committee recommends that this item remain assigned and looks forward to a future update.	

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

B3: TXI-20.1 D T. Tolerances

B3: TNS-20.1 D T. Tolerances

ITEM BLOCK 3
<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>During the WWMA 2022 Annual Meeting the following comments were received:</p> <p>Matt Douglas (State of California, Division of Measurement Standards) - Would like to hear if this addresses some of the concerns raised particularly by Mr. Floren. Does see the merit in how this was developed. I think this is close to being ready if not already ready for a vote.</p> <p>Kurt Floren (County of Los Angeles) - Was opposed to the original item. It was arbitrarily taking taxi meters and expanding the tolerance on them out of a sense of fairness. Is against lowering the bar when there is technology out there that is meeting the tolerances. Doesn't think that the verbiage of "physically connected to the vehicle" is sufficient. Thinks it needs to be developed to clarify that the drive is what is connected to the vehicle.</p> <p>During open hearings, members in attendance were notified that the language in the agenda did not reflect the updated item under consideration. Membership was not fully aware of the new language at the time of open hearings. Concerns were heard that terms such as "physically connected" are not specific enough to enforce. The WWMA S&T Committee recommends that this item should remain developing to allow membership to review the updated proposal.</p>

BLOCK 4 ITEMS (B4) ELECTRONICALLY CAPTURED TICKETS OR RECEIPTS

- B4: GEN-21.2** **D** G-S.5.6. Recorded Representations.
- B4: LMD-21.2** **D** S.1.6.5. Money Value Computations., UR.3. Use of a Device.
- B4: VTM-21.1** **D** **S.1.1. Primary Elements., UR.2. User Requirements**
- B4: LPG-21.1** **D** **S.1.1. Primary Elements., UR.2. User Requirements**
- B4: CLM-21.1** **D** **~~S.1.4.1. Printed Ticket~~Recorded Representation., UR.2.6.3. ~~Printed Ticket~~Recorded Representation.**
- B4: MLK-21.1** **D** **~~S.1.4.2. Printed Ticket~~ Recorded Representation., UR.2.6.3. ~~Printed Ticket~~Recorded Representation.**
- B4: MFM-21.2** **D** **~~S.6. Printer~~Recorded Representations., UR.2.6. ~~Ticket Printer, Customer Ticket,~~ Recorded Representation., UR.3.4. ~~Printed Ticket.~~ Recorded Representation.**
- B4: CDL-21.1** **D** **~~S.1.4.1. Printed Ticket~~Recorded Representations., UR.2.4.2. ~~Tickets or Invoices.~~ Recorded Representation.**
- B4: HGM-21.1** **D** **S.2.6. Recorded Representations, Point of Sale Systems., S.6. Printer. Recording Element., UR.3.2. Vehicle-mounted Measuring Systems Ticket Printer Recording Element., UR.3.3. Printed Ticket. Recorded Representation.**
- B4: OTH-21.2** **D** **Appendix D - Definitions.: recorded representations, recording element.**

ITEM BLOCK 4
<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>

During the WWMA 2022 Annual Meeting no comments were heard on this item.

During open hearings, no comments were heard on this item. The WWMA S&T Committee recommends that this item remain developing which would allow the submitter to ensure the edits are applicable for the identified sections. The Committee looks forward to an update on this Block.

BLOCK 5 ITEMS (B5) TEST DRAFTS

B5: LMD-23.2 D N.3.5. Wholesale Devices

B5: VTM-23.2 D N.3. Test Drafts

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)*

During the WWMA 2022 Annual Meeting the following comments were received:

Brent Price (Gilbarco) - We support this item. The word “shall” expresses more importance.

Michael Keilty (Endress+Hauser) - I don’t see why this is necessary to change from “should” to “shall” to fix one particular instance where there was a problem. I recommend withdrawal.

Jose Arriaga (Orange County, California) – “Shall” is becoming a bit antiquated. The modern legal interpretation would be to change shall to must.

The WWMA S&T Committee recommends that this item be assigned a developing status. The Committee also recommends that the submitter of this item take into consideration the testimony heard during open hearings and work together with the submitter of item LMD-23.4 to develop language that will support both of their purposes.

BLOCK 6 ITEMS (B6) COMMERCIAL AND LAW ENFORCEMENT, AXLE AND AXLE GROUP WEIGHTS

B6: SCL-22.1 D Recorded Representation of Axle or Axle Group Weights

B6: SCL-22.3 D UR.3.3. Single-Draft Vehicle Weighing., and UR.3.4. Axle and Axle Group Weight Values.

ITEM BLOCK 6
<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>During the WWMA 2022 Annual Meeting the following comments were received: Jan Konijnenburg (NIST Associate) - Information is available on the website.</p> <p>During open hearings the Committee received an update from NIST OWM indicating that new language for this proposal was submitted to NCWM. This language was not available for review at the time of open hearings by the committee or membership. The WWMA S&T Committee recommends that this item should remain developing to allow membership to review the updated proposal.</p>

BLOCK 7 ITEMS (B7) TOLERANCES ON TESTS USING TRANSFER STANDARDS

B7: CLM-22.1 D T.3. On Tests Using Type 2 Transfer Standards.

B7: CDL-22.1 D T.3. On Tests Using Type 2 Transfer Standards.

B7: HGM-22.1 D T.4. Tolerance Application on Tests Using Type 2 Transfer Standard Test Method.

ITEM BLOCK 7
<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>During the WWMA 2022 Annual Meeting the following comments were received:</p> <p>Robert Murnane (Seraphin Test Measure Company) - Wants everyone to look at the version that is posted to the WWMA website, that is the most current version. Change "Block 1" to "Block 8". Under B7 HGM-22.1, there is a typo, should say "type two" and needs to be inserted. We ask that this item be a voting item, only if Block 8 passes. As shown in the handbook under T.3. and T.4. first sentence needs to be deleted.</p> <p>Michael Keilty (Endress+Hauser) – Doesn't see where there is a formula to be calculated, in the HB44 general code. Also affirmed that Block 7 is dependent on Block 8.</p> <p>Robert Murnane (Seraphin Test Measure Company) – The formula is in Block 8, that is why we are asking that this only move forward if Block 8 is passed.</p> <p>During open hearings, members in attendance were notified that the language in the agenda did not reflect the updated item under consideration. Membership was not fully aware of the new language at the time of open hearings. The WWMA S&T Committee recommends that this item should remain developing to allow membership to review the updated proposal. The Committee further recommends that this item be blocked with Block 8 as the items in Block 7 are contingent on Block 8 items.</p>

**BLOCK 8 ITEMS (B8) TOLERANCES ON TESTS USING TRANSFER STANDARDS,
APPENDIX A - TOLERANCES FOR STADARDS, AND
APPENDIX D – FIELD STANARDS AND TRANSFER
STANDARDS**

B8: GEN-19.1 D G-T.5. Tolerances on Tests When Transfer Standards are Used., Appendix A, Section 3.2. Tolerances for Standards., and Appendix D – Definitions: standards, field., ~~transfer standard.~~ and standard, transfer.

B8: OTH-22.1 D Appendix A: Fundamental Considerations, 3. Testing Apparatus

GEN-19.1

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)*

During the WWMA 2022 Annual Meeting the following comments were received:

Robert Murnane (Seraphin Test Measure Company) - You have the updated proposal online? The September 1st version was so that we didn't have to hunt and peck to find words to change. 3.2: Tolerance for Standards: in the first paragraph, where it says accuracy of standards it should say "field standards". On S&T agenda page 309, line 42, it should say "field standard or transfer standard". It is up to the discretion of the State Director.

Matt Douglas (S&T Committee) - The equation, it looks like when the error of the transfer standard is less than $1/3$ the applicable tolerance, you would end up with a lower tolerance for the device - even though it looks like the intention would be to give an extended tolerance.

Robert Murnane (Seraphin Test Measure Company) - You'll see that the equation gives the benefit to the meter, I'll ask you to look at that paper.

Michael Keilty (Endress+Hauser) - I think we're getting there. Adding "Weighing and Measuring" is a good idea. If you were testing a type 1 then you don't use the formula. When you have a type 2 device then you would use the formula to calculate the corrections allowed. I recommend developing.

Kurt Floren (County of Los Angeles) - I don't want to be a hurdle to this. I'm still struggling. I'm picturing myself in a courtroom because we've taken formal enforcement action. We aren't equipped to test all "field conditions" in a Metrology lab. Is there any way for us to clarify certain things? What is an extended time and what is a short time with regard to how long a device remains accurate? I cannot define that, and I have continued questions.

Brent Price (Gilbarco) – S&T Page 310, line 8: I'm questioning if we need that last sentence.

Michael Keilty (Endress+Hauser) - I also wonder what does long-term vs short-term mean? I recommend that the item continue to be developing and answer Mr. Floren's questions.

Robert Murnane (Seraphin Test Measure Company) - This is our current attempt at this. There needs to be definitions, there is no real definition. What are you guys doing now to defend yourselves with no definition (referencing transfer standard vs field standard). I look for input but haven't had much. I think this could be a voting item.

Kurt Floren (County of Los Angeles) - Field standard encompasses everything imaginable. It suggests that we have evidence that every block weight that we have has been tested and proven to be stable under every possible scenario. We need to be very specific about what is a transfer standard.

During open hearings, Robert Murnane representing Seraphin Test Measure Company provided testimony with changes to the proposed language which is now posted on the WWMA website. The WWMA S&T Committee recommends that this item should remain developing, and that the submitter provides the updated language to NCWM to allow membership to review the updated proposal. The Committee further recommends that this item be blocked with Block 7 as the items in Block 7 are contingent on Block 8 items.

Mr. Matt Douglas, California | Chair 1

Vacant | Chair 2

Mr. Kenn Burt, San Luis Obispo County, California | Chair 3

Mr. Aaron Yanker, Colorado Department of Agriculture | Annual

Mr. Chad Pilie, Arizona | Annual

Mrs. Stacie Ybarra | Annual

Mr. David Aguayo, San Luis Obispo County, California | Ex-Officio

WWMA Specifications and Tolerances Committee

