



## 2018 Issue 1

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## Follow Us!



## Chairman's Column

James Cassidy, NCWM Chairman — City of Cambridge, Massachusetts



Dear NCWM Members,

We have been on the move since leaving Pittsburgh in July. In my address on the last day of the conference, I spoke about strengthening the FALS Subcommittee and we have by adding nine new members from the public side and a new chair. Thank you to the states that stepped forward with additional volunteers and to Bill Striejewski for chairing this subcommittee.

Another one of my points was to help strengthen our regional groups and committees. In saying that, the CWMA reached out to Don Onwiler requesting training on committee processes. In October, Don presented a regional training session for the Central region and it went extremely well. Seeing how well that went, I did a similar training at NEWMA also in October. My goal, with the support of the board, is to keep strengthening our regional members because they are the future leaders of our conference.

We also had two great fall regional annual meetings. Many thanks to Michelle Wilson and her outstanding staff for being fabulous hosts and to Kevin Merritt from Idaho, as president

in leading some great sessions at the WWMA in Scottsdale, Arizona. In addition, I would like to thank Tim Chesser for hosting the SWMA in North Little Rock, Arkansas. Tim, Ms. Sharon, and his staff showed all who attended nothing but southern hospitality. I want to again say thanks to all who made my stay at both fall meetings enjoyable and productive. It was wonderful to see members that might not always make it to our two NCWM meetings.

As I attended three out of the four regional meetings, I noticed a problem with the process of presenting items in "batches" that our committees began doing in recent years. First, I want to say that we, the board, appreciated the committee's thoughts to streamline the process of the opening hearings. However, it appeared that people were confused and could not follow the items being discussed within a "batch" because they were scattered throughout the printed agenda. This resulted in very little discussion of the items. To address this last fall, I had asked the NEWMA Laws and Regulations Committee chair, Lou Sakin, to try something different with batching and put the information in a chronological order in the printed agenda so members could follow the items. It worked very well so when Pub 15 came out this year, NCWM tried blocking related items. I as well as other members found this easier to follow. We at NCWM will continue to refine our process with the help of recommendations from the Charter Team and you, our members.

*Continued on page 2*

January has come and gone. I think this last interim meeting was one of the best that we have had thus far. I want to thank our staff; Don, Jim, Darrell, Elisa and Tyler for all the hours of preparation in making the meeting a success. Next, I need to thank our board for long days in setting great policy and discussions on how to improve our conference every day.

We, the board, see that with the assistance from the regions, there would be benefit in having just one deadline for all new proposals. Prior to this, each region had a different deadline. So NCWM will implement a September 1 deadline for all proposals this fall. It will greatly streamline how fall publications are developed and finalized. It will also result in much more uniform content and item numbering between the four regions and NCWM Publication 15. If you plan to submit a new proposal for the fall cycle, please start preparing it now to meet the new September 1 deadline. We had the first meeting of the Cannabis Task Group at the Interim Meeting in January. The result of this meeting was the creation of five focus groups to look at, but not limited to; Suitability of Scales, Method of Sale, Package and

Labeling, Safety for Inspectors and Moisture Loss. Space is still available if you want to join. We have 30 States with medical use and eight states now with recreational selling of cannabis. It is time for NCWM, as the standards developer for weights and measures in this country, to give guidance to its member states and the regulated industry. We are hoping for a full day of discussions at our NCWM Annual Meeting this July in Tulsa, Oklahoma. Please stay tuned for further updates on this growing group. I would also like to thank Josh Nelson for his expertise and assistance in helping me to get this conversation started.

In closing for final thoughts, I want to thank the State of Florida for the work on the Wednesday morning session and the afternoon field trip on credit card skimmers at the gas pump. Hal Prince and his entire staff have continued to show this problem is not going away. I hope to see you all at CWMA and NEWMA in May. If not, I will see you in Tulsa this July.

Thank you,

*James P. Cassidy Jr.*

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# Professional Development Committee Interim Summary

By Lori Jacobson, PD Committee Chair, South Dakota

The 2018 Professional Development Committee Interim Agenda consisted of 5 informational Items. A summary of comments received by the PDC during open hearings and committee direction going forward follow:

## EDU – Education

### EDU-1 Professional Certification Program

Mr. Andersen covered updates pertaining to certificates issued by Type/State. Package Check Testing revealed an anomaly with test times in Section 1. This promoted both a review and discussion of data test points. The test points indicated a shift outside the norm of Section 1, indicating test time was increasing. The Committee chose to shift 5 minutes from the Section 2 to Section 1. The Committee is hopeful this will allow sufficient time to complete Section 1 of the Package Checking Exam. The Committee also resubmitted to the Board of Directors a finalized version of the Proctoring Guidelines.

### EDU-2 Training

Ms. Tina Butcher, who was unable to attend, proffered slides (presented by Mr. Marc Paquette) which showed the attending membership a variety of training events which had come to fruition in 2017 and are also planned for 2018.

### EDU-3 Instructor Improvement

Ms. Tina Butcher's information on the Train the Trainer Program was further promoted by Mr. Paquette. NIST OWM appreciates the strong support of NCWM and the PDC. However, as was noted by PDC Chair Lori Jacobson, the responsibility of training and safety belongs to us individually, as well.

The NIST Train the Trainer Program, the Professional Development Committee work and we as individual organizations are responsible for taking the lead, looking beyond & promoting available training and programs throughout our organizations.

### EDU-4 Recommended Topics for Conference Training

Mr. Marco Mares reminded the membership of the vast array of ideas offered in the past. Mr. Mares also solicited ideas and suggestions for the upcoming Annual and Interim Meetings. Several suggestions were proffered including (both technical and non-technical items): Flex/Bio-Diesel; Software Systems/ Audit Trails; Focus on State Fuel Equality Labs & Stakeholder Outreach Guidance Documents; Stakeholder Guidance Documents; potential breakout sessions during meetings; public speaking, creative writing & writing techniques for investigative items. The PDC appreciates all the fervent membership input. Finally, the Committee sent a question to the Board consisting of multiple choices to rate training options on a post survey following the Interim meeting. The PDC hopes you choose to participate and looks forward to the results.

## PMT – Program Management

### PMT-1 Safety Awareness

The Safety Task Group has been meeting to delve deeper into the safety survey and working to develop a spreadsheet for tracking information. Ms. Quinn & Ms. Harris are working with the Board to determine if an OSHA grant can be utilized in conjunction with NCWM nonprofit status training. Please contact Ms. Julie Quinn ([julie.quinn@state.mn.us](mailto:julie.quinn@state.mn.us)) for further information on either the Task Group or the survey.

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## Employment Opportunities

NCWM is proud to serve the weights and measures community, both private and public sectors, by listing employment opportunities in related fields. Any organization that maintains memberships with NCWM may request positions be posted online for public viewing at [www.ncwm.net/resource/employment-opportunities](http://www.ncwm.net/resource/employment-opportunities).

If you wish to post employment opportunity information, please send inquiries to [don.onwiler@ncwm.net](mailto:don.onwiler@ncwm.net).

# NTEP Column

## “Why does NTEP not Evaluate and Issue Certificates for All Device Types?”

Jim Truex, NTEP Administrator



This article will explain why the National Type Evaluation Program (NTEP) does not evaluate all types of devices. Recently, manufacturers of water dispensers, antifreeze dispensers, corn vending machines, medical devices, etc., have been turned away by NTEP. Many want to know why. We will attempt to explain the rationale for those decisions in this article.

We should first look at the National Conference on Weights and Measures (NCWM) Publication 14, NTEP Administrative Policy, Section 3, titled “Devices to be Submitted for Type Evaluation”. The first two paragraphs of this section state:

“More equipment is subject to weights and measures enforcement than is subject to NTEP evaluation. The additional equipment is controlled through routine field inspections. The scope of NTEP evaluations is typically limited to devices for which formal type evaluation criteria exist; to devices for which definitive criteria exist in NIST Handbook 44 (e.g. electronic scales); and to new technologies or device applications where the development of criteria is deemed necessary.

“In general, type evaluations will be conducted on all equipment that affect the measurement process or the validity of the transaction (e.g. electronic cash registers interfaced with scales and service station consoles interfaced with retail fuel dispensers); and all equipment to the point of the first indicated or recorded representation of the final quantity on which the transaction will be based.”

The first two sentences in paragraph one acknowledge that not all devices will be evaluated. Typical examples are timing devices, odometers, linear measures, and farm milk tanks. For NTEP to evaluate a device, there must be an applicable code in National Institute of Standards and Technology (NIST) Handbook 44 and a formal NTEP evaluation checklist.

As we know, weights and measures officials are accustomed to performing initial and subsequent verifications on devices and main elements of devices traceable to an NTEP Certificate of Conformance (CC).

However, that is not true for all devices. There are always exceptions when it is deemed necessary and appropriate. For example, in the early 1990's, an NTEP evaluator was instructed to 1) evaluate and test what was named a “vehicle on-board weighing system” mounted on a refuse vehicle, 2) develop a checklist for these new vehicle on-board weighing systems, and 3) develop a list of recommended amendments necessary to NIST Handbook 44 to accommodate these weighing systems, in that order. Some labeled this a “cart before the horse” assignment but it was successfully completed well over 20 years ago. NTEP management at that time made the decision that vehicle on-board weighing systems are weighing devices, so they fit under NIST Handbook 44 Scales Code; however, amendments to the code were necessary.

More recently, NTEP worked with manufacturers of a corn dispensing device to bring it into compliance with NIST Handbook 44 scales code. The device was originally labeled a corn vending machine and was turned away by NTEP because the device did not fit under any code in NIST Handbook 44. After the device's design was modified, it became a weighing device / point-of-sale system. Some people are stating the project is a significant example of NCWM and NTEP working in professional cooperation with stakeholders to help develop device and evaluation criteria for “out-of-the-norm” devices.

There are other reasons why NTEP does not evaluate all devices. First, NTEP does not have the resources to evaluate all types of devices subject to Handbook 44 regulation. There are a limited number of labs and evaluators. Second, some devices are subject to such a simple test (e.g., timing devices) that they can be effectively controlled by field enforcement testing.

So how does NTEP make these kinds of decisions and what can a party do if they want an NTEP certificate? As noted earlier in this column, NTEP must first make sure the device in question definitively falls under a code in NIST Handbook 44 and that there is an applicable checklist in NCWM Publication 14. If not, NTEP administration must reject the requested application. If NCWM believes a new technology or device warrants development of evaluation criteria, NTEP can be directed to assist in that endeavor. A recent example of that is the Electronic Vehicle Fueling System checklist that is being developed by an NTEP Work Group. This evaluation criteria development is scheduled to be ready early in 2018.

Hopefully this article has helped eliminate some of the confusion and answer your questions. If you have additional questions or would like to discuss the content of this article contact Jim Truex at [jim.truex@ncwm.net](mailto:jim.truex@ncwm.net).



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# 2018 NCWM Interim Meeting Highlights!

January 21 - 24 | St. Pete Beach, FL



NCWM Treasurer Ray Johnson (NM) provided live music at our Chairman's Reception!



From left: Jean Kliethermes, James and Kerry Cassidy (MA)



From left: Ethan Bogren (NY), John Albert (MO), Ron Hayes (MO)



Elaine Vieira and Greg Grillo (MA)



Lisa and Steve Giguere (ME)



Marco Mares and Claudia Verdugo (San Diego, CA)



Specifications and Tolerances  
Committee Chair  
Ivan Hankins (IA)



Laws and Regulations  
Committee Chair  
Ethan Bogren (NY)



Professional Development  
Committee Chair  
Lori Jacobson (SD)



Above: Alan Johnston (Measurement Canada) and Left: Gordon Johnson (Gilbarco Inc.) were each recognized for their service to NCWM and pending retirements.



Lt. Andrew Cobb and Hal Prince (FL)  
gave an informative session on  
Credit Card Skimmer Enforcement



Florida Bureau of Standards Supervisor Paul Julian (right) led one of many groups on a field trip as part of a special training on credit card skimmers. From left: Mike Harrington (IA), Alan Morrison (CA), Lori Jacobson (SD), Jean Kliethermes (MO), Paul Julian (FL)

# EVENT CALENDAR

## April 2018

### NTEP Lab Meeting

Gatineau, Quebec

April 3 - 5

## May 2018

### NEWMA Annual Meeting

Saratoga Springs, New York

May 7 - 10

### NTEP MDMD Work Group Meeting

Columbus, Ohio

May 8 - 9

### CWMA Annual Meeting

Springfield, Illinois

May 21 - 24

## July 2018

### 103<sup>rd</sup> NCWM Annual Meeting

Tulsa, Oklahoma

July 15 - 19

## August 2018

### NTEP Grain Analyzer Sector Meeting

Kansas City, Missouri

August 15 - 16

### NTEP Weighing/Software Sector Meeting

Louisville, Kentucky

August 21 - 23

## September 2018

### NTEP Measuring Meeting

Baltimore, Maryland

September 25 - 26

## October 2018

### SWMA Annual Meeting

Jacksonville, Florida,

October 7 - 10

### CWMA Interim Meeting

St. Charles, Missouri

October 15 - 17

# Looking Forward...

## 103<sup>rd</sup> NCWM Annual Meeting

July 15 - 19 | Tulsa, Oklahoma

The Annual Meeting is the high point of our year where all the hard work pays off. At this meeting, stakeholders will debate important proposals to amend the United States standards for weights and measures. When the debating is done, the votes will be cast.

Our committees have their work cut out for them with some very full and diverse agendas. Committee agendas are available at [www.ncwm.net/meetings/annual/publication-16](http://www.ncwm.net/meetings/annual/publication-16).

### Meeting Location:

Hyatt Regency Tulsa Hotel

100 East 2<sup>nd</sup> Street

Tulsa, OK 74103

P. (918) 582-9000

**Group Rate:** \$89.00\*

*\*Mention code "NCWM" to secure group rate.*

**Reservation Discount Deadline:** June 22, 2018

Click [here](#) to make your online reservation!

### Events:

The **Chairman's Reception** will honor James Cassidy from the City of Cambridge, Massachusetts. The reception will be Sunday, July 15<sup>th</sup> at 5:30 p.m. Dress is business casual.

The **Special Event** will be held Wednesday, July 18<sup>th</sup> in a private venue at ONEOK Field, home of the Tulsa Drillers! Our "Bistro Dining: Classic American Fare" will offer great food while we watch the game. There will be indoor seating with TV's streaming the game as well as covered patio and fixed stadium seating. You will enjoy transportation, admittance, food & beverages, and a few surprises at this all-inclusive event. Attire is casual.

**Be sure to submit your registration form by  
June 22 to secure discounted rates!**

# NCWM Welcomes New Members (8/5/17 - 2/7/18)

**Acceo Solutions/Logivision**  
Jean-Francois Gravel

**AOA Xinetics/NGC**  
Bruce Budinger

**Aquifi, Inc.**  
Sheung Li

**Arkansas Bureau of Standards**  
Stephen Avery

**Astec, Inc.**  
Earl Edwards

**Avaretail**  
Atul Hirpara

**Avery Weigh-Tronix**  
Cory Hainy

**Berkeley Varitronics Systems, Inc.**  
Scott Schober

**Blue Cow Software**  
Jeffrey Prince

**California Dept. of Food and Agriculture**  
Julian Contreras  
John Mough

**Cascade Corp.**  
Pat McKernan

**Chevron Products Company**  
Joseph Sorena

**CITGO Petroleum Corporation**  
Jennifer Green  
Jay Silvas

**City of Appleton**  
Kevin Grosskreutz

**City of Seattle: Consumer Affairs Unit**  
Janice Marrison  
Cregan Newhouse

**Clark Associates, Inc.**  
Drew Cordell

**Colorado Dept. of Agriculture**  
Kate Smetana

**Computer Dimensions**  
Yona Tauber

**Conexus**  
Linda Toth

**Crawford County Auditor's Office**  
Jacob Miller

**DB USA, Inc.**  
Jong Il Kim

**Discount Drug Mart**  
Keith Miller

**Escali Corp.**  
James Houangvanh

**Federal Ministry of Industry Trade and Investment**  
Victor Ibiyemi

**FlintLoc**  
David Jacobs

**Florida Dept. of Agriculture and Consumer Services**  
Vanessa Benchea  
James Freeborn

**Florida Dept. of Transportation**  
Dustin Williams

**Franklen Equipment, Inc.**  
Tracey O'Donnell

**Georgia-Pacific Wood Products LLC**  
Christie Cordova

**Gilbarco, Inc.**  
Brent Price

**GrainChain**  
Luis Macias

**Hawaii Dept. of Agriculture**  
Michael Tang

**Heavybilt**  
Waylon McKinney

**Heyl and Patterson Equipment Division of the Hall Group**  
Ray Shore

**Ikea North America Services LLC**  
Amy Lazas

**Inatec Panama**  
Ivan Aviles

**J A King**  
Ryan Taylor

**Kansas Dept. of Agriculture**  
Chris Lester  
Alan Tabb

**King Williams LLP**  
Tyler Bowlin

**L.A. County Ag. Comm/Weights and Measures**

Susan Abdelshife  
Rabih Abdullah  
Jacky Cheng  
Benjamin Cortes  
Steven Giang  
Jeffrey Liao  
Fion Ling  
Aryan Moshrefi  
Daniel Munoz  
Michelle Ortega  
Ashley Razzano  
Adam Recio  
Kimberly Richartz  
Elizabeth Ton  
Emily Tsai

**Massachusetts Division of Standards**  
Francis Connors

**Measurement Canada**  
Erica Garnier

**Meter Technology Werks**  
Martin Cole

**Michigan Department of Agriculture and Rural Development**

Robert Biroscak  
Joseph Felice  
Gret Michalski  
Jordan Polaskeyj  
Dalton Potter  
Geoffrey Smeenge  
Tomas Tietsma

**Minnesota Dept. of Weights and Measures**  
Luke Hobbs

**Mississippi Dept. of Agriculture and Commerce**  
Jon Lancaster  
Gary Smith

**Missouri Dept. of Agriculture**  
Caleb Dodd  
Kevin Kennedy  
Enrique McDermott  
Alex Miller  
Justin Nash  
Thomas Rallo  
Derick Vining

**Montgomery County Weights and Measures**  
Edmund Gehres

**Morris County Weights and Measures**  
Dan Drake

**Nestle USA**  
Alecia Christiansen

**New Jersey Weights and Measures**  
Antonio Cotroneo  
Bryan Thomson

**NIST, Office of Weights and Measures**  
Katya Delac

**North American Millers' Association**  
Dale Nellor

*Continued on page 10*

# NCWM Welcomes New Members (cont.)

## **North Carolina Dept. of Agriculture**

William Casstevens  
Clay McIntyre  
Tim Quinn  
Austin Stoltzfus  
Ethan Taylor

## **North Dakota Public Service Commission**

Konrad Crockford

## **Ocean County New Jersey**

Richard Aubin  
Justin Benz  
Brian DeCasse

## **Orleans County Weights and Measures**

James Doyle

## **Parcel Tools**

Barry Gebler

## **PMAA**

Jim Rocco

## **PowerSouth Energy Cooperative**

Matt Diamond

## **Propane Management Systems**

Warren Van Wyck

## **Quality Rebuilding Service LLC**

Tonia Harmon

## **Radwag USA LLC**

Richard Vinneccy

## **Retail Pro International, LLC**

Kevin Connor

## **San Diego County Dept. of Agriculture, Weights and Measures**

Marisela Garcia-Centeno  
David Gonzalez

## **Saya**

Yady Kalsi

## **Sbot Technologies Inc.**

Lindon Gao

## **Shore Measuring Systems**

Randy Swan

## **South Carolina Dept. of Agriculture**

Caroll Boulware

## **Star Micronics**

Sal Rizvi

## **Sunrise Manufacturing, LLC**

Daniel Fisher

## **Tennessee Dept. of Agriculture**

Jason Beckwith  
Robert Carrier  
Danya Cox  
Brian Crowe  
Derek Fesmire  
Warren Friedman  
Mark Gill  
Joe Hinton  
Doug Holbert  
Brent Hollis  
Steve Hollis  
Randy Jackson  
Antonio Johnson  
Ryan Kindle  
Bert Mansfield  
Greg Norris  
Craig Rush

Wayne Sanders  
Matt Sirmans  
Richard Suffridge  
Jeffrey Taylor  
Ray Taylor  
Adam Weaver  
Jonathan Wheeler

## **Teraoka Seiko Co., Ltd.**

Toshiyuki Wada

## **The Scale People**

Richard Guild

## **Toshiba Global Commerce Solutions**

Gary Fails

## **Union County Auditor's Office**

Greg Butkewicz

## **USDA, GIPSA**

Jess Dansossan  
Jeffrey Vanfossan

## **Utah Dept. of Food and Agriculture**

Miland Kofford

## **Vanderbirgh County Weights and Measures**

Jacob Murphy

## **Veeder-Root**

John Nobile

## **Ventura County Weights and Measures**

Matthew Douglas

## **Virgin Islands Dept. of Licensing and Consumer Affairs**

Luis Santos

## **Virginia Dept. of Agriculture and Consumer Services/ Weights and Measures**

Steve Geary  
Christopher Weakland

## **Vishay Transducers**

Mark Morris

## **Washington County**

Daniel Sullivan

## **West Virginia Weights and Measures, Division of Labor**

Mitchell Woodrum

## **Westmoreland County**

Michelle Jenkins

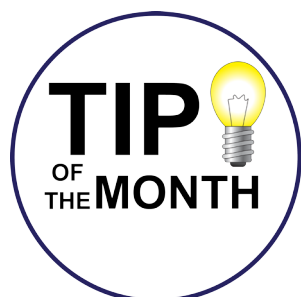
## **Wisconsin Dept. of Agriculture and Consumer Protection**

Joel Burdick  
Nicholas Eberle  
Jason Karczewski  
Paul Lazotte  
Gregory Loreck  
Janet Lyngen  
Stefanie Nelson  
Jacob Schaefer

## **Zebra Technologies**

Mark Clayton  
Thomas Cunningham  
Carolyn Ricci

Rick Durham  
Joe Haun



## **Avoid Getting Burned When Buying Firewood:**

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# Specifications and Tolerances Committee Interim Summary

By Ivan Hankins, S&T Committee Chair, Iowa

The 2018 Specifications & Tolerances Committee Interim Agenda consisted of 15 Items. The S&T Committee Agenda contained 7 Item Blocks. Each block is made up of items that are considered related subject matter in which the individual items are companion to each other. During open hearings comments were heard for items contained in blocks as part of testimony for the block as a whole. On the S&T Agenda, 42 items are part of a block and the remaining 15 are standalone items. Also introduced at the 2018 Interim Meeting was the “Assigned” status for agenda items. “Assigned” status allows committees to assign the development of an agenda item to a recognized subcommittee or workgroup within NCWM. Presentations and written testimony submitted to the committee are available on the [NCWM website](#). The S&T Committee designated the status for each of the agenda items as follows:

## VOTING ITEMS

### BLOCK 1 Items (B1) – Manifold Flush Systems

B1: VTM-1 S.3. Diversion of Measured Liquid and UR.2.6. Clearing the Discharge Hose

### BLOCK 6 Items (B6) – Align Vapor Elimination Requirements

B6: LPG-1 S.2.1. Vapor Elimination  
B6: CLM-3 S.2.1. Vapor Elimination  
B6: CDL-3 S.2.1. Vapor Elimination

### Scales Code

SCL-6 S.1.2.2.3. Deactivation of a “d” Resolution  
SCL-7 S.1.8.5. Recorded Representations, POS Systems  
SCL-8 Provisions for Commercial Weigh-in-Motion Vehicle Scale Systems

### Automatic Bulk Weighing Systems Code

ABW-4 A. Application and Appendix D: Definitions – batching system

### Liquid Measuring Devices Code

LMD-2 S.1.6.7. Recorded Representation, S.1.6.8. Recorded Representations for Transactions Where a Post Delivery Discount(s) is Provided. and UR.3.4. Printed Ticket

### Water Meters Code

WTR-2 S.2.1. Provision for Sealing and Table S.2.1. Categories of Device and Methods of Sealing

### Taximeters Code

TXI-1 S.1.2.2. Distance Mechanism and S.1.5.3. Distance Not Recording.

## DEVELOPING ITEMS

### BLOCK 2 Items (B2) – Division Size and Tolerances for In-Motion Railway Systems

B2: SCL-1 Table 3, Parameters for Accuracy Classes  
B2: SCL-2 T.N.3.6. Coupled-in-Motion RR Weighing Systems

### BLOCK 4 Items (B4) – Terminology for Testing Standards

B4: SCL-4 N.2. Verification (Testing) Standards  
B4: ABW-1 N.2. Verification (Testing) Standards  
B4: AWS-1 N.1.3. Verification (Testing) Standards, N.3.1. Official Tests, UR.4. Testing Standards  
B4: CLM-1 N.3.2. Transfer Standard Test and T.3. On Tests Using Transfer Standards  
B4: CDL-1 N.3.2. Transfer Standard Test, T.3. On Tests Using Transfer Standards  
B4: HGM-1 N.4.1. Master Meter (Transfer) Standard Test, T.4. Tolerance Application on Test Using Transfer Standard Test Method  
B4: GMM-1 5.56(a): N.1.1. Air Oven Reference Method Transfer Standards, N.1.3. Meter to Like-Type Meter Method Transfer Standards and 5.56(b): N.1.1. Transfer Standards, T. Tolerances1  
B4: LVS-1 N.2. Testing Standards  
B4: OTH-2 Appendix A: Fundamental Considerations, 3.2. Tolerances for Standards, 3.3. Accuracy of Standards  
B4: OTH-3 Appendix D – Definitions: fifth-wheel, official grain samples, transfer standard and Standard, Field

### BLOCK 5 Items (B5) – Define “field reference standard”

B5: CLM-2 N.3.2. Transfer Standard Test and T.3. On Tests Using Transfer Standards  
B5: CDL-2 N.3.2. Transfer Standard Test and T.3. On Tests Using Transfer Standards  
B5: HGM-2 N.4.1. Master Meter (Transfer) Standard Test and T.4. Tolerance Application on Test Using Transfer Standard Test Method  
B5: OTH-4 Appendix D – Definitions: field reference standard meter and transfer standard

## **BLOCK 7 Items (B7) – Address Devices and Systems Adjusted Using a Removable Digital Storage Device**

B7: GEN-2	G-S.8.2. Devices and Systems Adjusted Using Removable Digital Device Storage
B7: SCL-5	S.1.11. Provision for Sealing
B7: BCS-1	S.5. Provision for Sealing
B7: ABW-2	S.1.6. Provision for Sealing Adjustable Components on Electronic Devices
B7: AWS-2	S.1.3. Provision for Sealing
B7: LMD-1	S.2.2. Provision for Sealing
B7: VTM-2	S.2.2. Provision for Sealing
B7: LPG-2	S.2.2. Provision for Sealing
B7: HGV-1	S.2.2. Provision for Sealing
B7: CLM-4	S.2.5. Provision for Sealing
B7: MLK-1	S.2.3. Provision for Sealing
B7: WTR-1	S.2.1. Provision for Sealing
B7: MFM-1	S.3.5. Provision for Sealing
B7: CDL-4	S.2.5. Provision for Sealing
B7: HGM-3	S.3.3. Provision for Sealing
B7: EVF-1	S.3.3. Provision for Sealing
B7: TIM-1	S.4. Provision for Sealing
B7: GMM-2	S.2.5. Provision for Sealing
B7: MDM-1	S.1.11. Provision for Sealing

### **Automatic Bulk Weighing Systems Code**

ABW-3	A. Application, S Specifications, N. Notes, UR. User Requirements
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### **LPG/Anhydrous Ammonia Liquid-Measuring Devices Code**

LPG-3	S.2.5. Zero-Set-Back Interlock, Stationary and Vehicle Mounted Meters, Electronic
LPG-4	N.3. Test Drafts.
LPG-5	N.4.1.2. Repeatability Tests and N.4.2.4. Repeatability Tests for Type Evaluation

### **Mass Flow Meters Code**

MFM-2	N.3. Test Drafts.
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### **Other Items**

OTH-5	Electric Watthour Meters Code under Development
OTH-6	Appendix D – Definitions: Batch (Batching)

## **WITHDRAWN ITEMS**

### **BLOCK 1 Items (B1) – Manifold Flush Systems**

B1: GEN-1	G-S.2. Facilitation of Fraud
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### **BLOCK 3 Items (B3) – Summing of Individual Weighing Measuring Elements**

B3: SCL-3	Table 3, Parameters for Accuracy Classes
B3: OTH-1	Appendix A – Fundamental Considerations: Section 4.4. General Considerations

## **ASSIGNED STATUS ITEMS**

### **General Code**

GEN-3	G-A.1. Commercial and Law-Enforcement Equipment and G-S.2. Facilitation of Fraud.
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The Committee heard comments both in favor and opposition to the item. Comments included involving more stakeholders on the development of the item. Members also asked if the item should be considered a weights and measures issue. The Committee recommends giving this item an assigned status and requests the formation of a task group.

Stakeholders identified: Convenience store associations, meter manufacturers, retailers, petroleum marketers association, weights and measures regulators (one from each region) and a NIST technical advisor.

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# Laws and Regulations Committee Interim Summary

By Ethan Bogren, L&R Committee Chair, Westchester County, New York

The 2018 Laws & Regulations Committee Interim Agenda consisted of 30 Items. The L&R Committee Agenda contained 5 Item Blocks. Each block is made up of items that are considered related subject matter in which the individual items are companion to each other. During open hearings comments were heard for items contained in blocks as part of testimony for the block as a whole. On the L&R Agenda 15 items are part of a block and the remaining 15 are standalone items. Also introduced at the 2018 Interim Meeting was the “Assigned” status for agenda items. “Assigned” status allows committees to assign the development of an agenda item to a recognized subcommittee or workgroup within NCWM. Presentations and written testimony submitted to the committee are available on the [NCWM website](#). The Fuels & Lubricants Subcommittee and the Packaging & Labeling Subcommittee both met at the Interim Meeting and reported to the L&R Committee. The L&R Committee designated the status for each of the agenda items as follows:

## VOTING ITEMS

### BLOCK 1 Items (B1) – Pesticide Labeling

- B1: PAL-1 Sections 6.12 Supplementary Quantity Declarations, 6.14 Qualification of Declaration Prohibited, 12. Variations to be allowed
- B1: NET-1 Sections 1.2.2 Average Requirement, 1.4 Other Regulatory Agencies Responsible for Package Regulations and Applicable Requirements, 2.3.7.2 Average Requirement, and Appendix A. Tables – Table 1-1 “Agencies Responsible for Package Regulations and Applicable Requirements

### BLOCK 3 Items (B3) – Gasoline-Oxygenate Blends and Flex Fuel Blends

- B3: MOS-4 Section 2.20 Gasoline-Oxygenate Blends and Section 2.30. Ethanol Flex Fuel
- B3: FLR-5 Section 3.28. EPA Labeling Requirements Also Apply and Section 3.8 Ethanol Flex Fuel

### PAL – Uniform Packaging and Labeling Regulation

- PAL-2 Section 11.8 Packaged Commodities with Labeling Requirements Specified in Federal Laws. And Appendix C. Reference Information for Packaged Commodities with Labeling Requirements Specified in Federal Laws and Regulations

### MOS – Uniform Regulation for the Method of Sale Commodities

- MOS-7 Section 1. Food Products and Section 2. Non-Food Products
- MOS-8 Section 2.13. Polyethylene Products
- MOS-10 Section 2.XX.- Pet Treats or Chews

### FLR – Uniform Engine Fuels and Automotive Lubricants Regulation

- FLR-9 G. Uniform Engine Fuels and Automotive Lubricants Regulation

### NET – Handbook 133

- NET-5 Appendix A: Tables 1.1. Agencies Responsible or Package Regulations and Applicable Requirements and 2.9. U.S. Department of Agriculture, Meat and Poultry, and Siluriformes Groups and Lower Limits for Individual Packages (MAVs)

## DEVELOPING ITEMS

### MOS – Uniform Regulation for the Method of Sale Commodities

- MOS-9 Electric Watthour

### POL – NCWM Policy, Interpretations and Guidelines

- POL-1 Section 2.6.17. Methods of Sale for Packages of Consumer Commodities-Federal Trade Commission and Acceptable Common or Usual Declarations for Packages of Food – Food and Drug Administration

### NET – Handbook 133

- NET-3 Section 4.XX. Softwood Lumber
- NET-4 Section 4.XX. Plywood and Wood-Based Structural Panels
- NET-6 Recognize the Use of Digital Density Meters

### OTH – Other Items

- OTH-1 Fuels and Lubricants Subcommittee
- OTH-2 Packaging and Labeling Subcommittee

## ASSIGNED STATUS ITEMS

*\*Note: The following have all been assigned to the Fuels and Lubricants Subcommittee.*

### BLOCK 2 Items (B2) – Kerosene, LPG, and Fuels, Lubricants and Automotive Products, CNG, LNG, and DEF

- B2: MOS-1 Section 2.9 Kerosene  
B2: FLR-1 Section 3.7 Kerosene  
B2: MOS-2 Section 2.21 Liquefied Petroleum Gas  
B2: FLR-2 Section 3.10 Liquefied Petroleum Gas  
B2: MOS-3 Sections 2.15. Solid Fuel Products, 2.16. Compressed or Liquefied Gases in Refillable Cylinders, 2.19 Kerosene, 2.20. Gasoline Oxygenate Blends, 2.21. Liquefied Petroleum Gas, 2.27. Retail Sales of Natural Gas Sold as a Vehicle Fuel, 2.30. Ethanol Flex Fuel, 2.31. Biodiesel and Biodiesel Blends, 2.32. Retail Sales of Hydrogen, 2.33. Oil, 2.34. Retail Sales of Electricity Sold as Vehicle Fuel, 2.35 Diesel Exhaust Fluid, and 2.XX Transmission Fluid  
B2: FLR-3 Section 3 Classification and Method of Sale of Petroleum Products  
B2: FLR-4 Section 1.12. Compressed Natural Gas, 1.14 Diesel Exhaust Fluid, 1.26. Gasoline Gallon Equivalent, 1.XX Diesel Gallon Equivalent, 1.36. Liquefied Natural Gas Equivalent

### BLOCK 4 Items (B4) – Gasoline and Gasoline with Ethanol

- B4: MOS-5 Section 2.20. Gasoline-Oxygenate Blends  
B4: FLR-6 Sections 1. Definitions 2.1. Gasoline and Gasoline-Oxygenate Blends, 2.7. Denatured Fuel Ethanol. 3.2. Automotive Gasoline and Automotive Gasoline-Oxygenate Blends and 4. Retail Storage Tanks and Dispenser Filters

### BLOCK 5 Items (B5) – Obsolete Motor Oils

- B5: MOS-6 Section 2.33. Motor Oil  
B5: FLR-7 Section 1.43. Motor Oil, 1.44. Racing Oil, 3.13.Oil and 7.2. Reproducibility Limits

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# Safety Column

## Safety is Up to Me!

Brett Gurney, Utah Department of Agriculture  
& Food Weights and Measures



When hearing of someone's misfortune from being involved in an accident, you may hear the words "I never saw it coming." You can be injured simply because you were not paying close enough attention to your surroundings.

We leave our home each day without thinking we could be injured in an accident. At some point in our lives we may hear the statement. "Safety is up to me!" We may be performing job duties or simply walking or driving at the end of the day without thinking of consequences and not being aware of our surroundings. Simple awareness can help us be safe when we are away from home.

Safety is important to us while we are on or off the job. We may simply be in the wrong place at the wrong time if we are not on the lookout for possible hazards. Proper planning can eliminate or reduce workplace accidents or illnesses.

## Safety Tips to consider:

### Survey the Work Area

- Evaluate your work area for any safety hazards before performing any tasks. (foot traffic, facility operations, vehicles, etc.)
- Be aware of your surroundings.
- Understand the present hazards of performing the task.
- Is there adequate space to perform the inspection.
- Keep work area clean and orderly.
- Look for objects, uneven surfaces, trip hazards that you need to move around.
- Take reasonable care to not put others at risk while performing your job.
- Perform daily safety checks.

### Policies and Procedures

- Understand, implement, and follow health and safety procedures and policies to complete the job.
- Be aware of safety procedures and policies of the businesses we inspect.

### Focus

- Stay focused on the task at hand. When your attention and thoughts divert to other things injuries can occur and create an unsafe environment not only for yourself but those around you.
- Multitasking may cause us to overlook potential hazards.
- Don't take your eyes off the task.
- Don't be distracted by others or loud noises.
- Don't get too comfortable and familiar with inspection site that you overlook potential hazards.
- Understand onsite hazards and meet with personnel regarding safety concerns.

### Use Safety Equipment

- Safety equipment has been issued for a reason. Make sure it is used. Have it handy and accessible.
- Make sure all equipment is in good working condition.
- Wear, maintain, and properly store personal protective equipment.
- Do not misuse equipment or supplies.
- Safely store any loose items.
- Wear appropriate clothing for the job, avoid wearing loose clothing, jewelry that may get caught in equipment, make sure your hair does not get caught in machinery.

### Take Your Time

- Don't be in a rush to complete a task and neglect safety to finish the job. Sometimes we get so busy and in a hurry with all the numerous tasks we need to complete that we lose focus on what we are doing. We forget and neglect basic safety.
- Do not create any safety hazards that could be prevented.
- Taking a break will help keep us alert.
- Do not work while fatigued or extremely tired.
- Take reasonable care for your own health and safety.

### Inform Supervisor

- No one knows your job and tools better than you do.
- Notify supervisor of any injury, strains, illnesses suffered as a result of doing your job.

- Let your supervisor know if you are taking medication that affects the safety of yourself and others, especially if you drive or operate machinery.
- Speak up. Share concerns.
- Let supervisor and co-workers know of damaged equipment, hazardous conditions or unsafe behaviors.
- Report all near misses, injuries or illnesses.
- Share ideas to make equipment and the process safer.

### **Don't Create Additional Hazards**

- Don't be in a rush to complete a task and neglect safety to finish the job.
- Do not create any safety hazards that could be prevented. (e.g. laying an extension cord on the ground that can cause a tripping hazard for others.)
- Put away tools when finished.

### **Watch for Potential Hazards from Others**

- Be aware of those who are around you. (e.g. Cars speeding through gas stations or someone who approaches with a cigar in their mouth when working with flammable liquids.)

### **Other Things to Consider**

- Use proper lifting techniques.
- Become familiar with products, chemicals, material safety data sheets and any other items.
- Use safety barriers when needed.

### **Think**

We don't expect to have an accident when we leave home each day. Being aware of our surroundings is of utmost importance to protect ourselves against injury. We must do our part to protect ourselves and others from unforeseen dangers.

If injured we may be faced with long term health conditions and expensive medical bills. Our family may be forced to deal with losing us or taking care of us long term. Taking just a few moments to evaluate potential risks can save lives.

"Safety it's up to me!" is a good reminder for everyone.

### **Sources:**

[www.selectinternational.com/safety.../aware-of-surroundings-can-reduce-safety-incidents](http://www.selectinternational.com/safety.../aware-of-surroundings-can-reduce-safety-incidents)

<http://www.worksafemt.com/your-role/employees/rights-and-responsibilities/>

<https://content.statefundca.com/safety/news/2014issue4/PubPersonal.asp>

<http://www.selectinternational.com/safety-blog/aware-of-surroundings-can-reduce-safety-incidents>

## **New Slate of Officers Nominated**

The NCWM Nominating Committee chaired by Kristin Macey (California) met at the 2018 Interim Meeting in St. Pete Beach, Florida to select a slate of candidates for officers of NCWM. The Nominating Committee gives careful consideration to professional experience, individual qualifications, conference attendance and participation, and other factors of importance in selecting officers who will lead this organization into the future. Those who are elected will selflessly give of their time and talents for the betterment of the NCWM mission.

The following slate will be presented for election at the 103<sup>rd</sup> NCWM Annual Meeting this July in Tulsa, Oklahoma:

### **CHAIRMAN-ELECT**

Craig VanBuren, Michigan

### **BOARD OF DIRECTORS, ACTIVE MEMBERSHIP - CENTRAL**

Ivan Hankins, Iowa

### **BOARD OF DIRECTORS, ACTIVE MEMBERSHIP - SOUTHERN**

Hal Prince, Florida

### **BOARD OF DIRECTORS - AT-LARGE**

Rebecca Richardson, MARC-IV Consulting

***Congratulations to you all  
for your nominations!***



## **National Conference on Weights and Measures**

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