

**Multiple Dimension Measuring Device Work Group**  
**May 7<sup>th</sup> , 2025**

Ohio Department of Agriculture  
Administration Building  
8995 East Main Street  
Reynoldsburg, Ohio 43068  
8:30 a.m. - 5:00 p.m.

**Meeting Agenda**

**Schedule**

- |             |  |                                |
|-------------|--|--------------------------------|
| <i>i.</i>   | <b>Welcome and Introductions</b>                                       | <i>(Chris Senneff)</i>         |
| <i>ii.</i>  | <b>Sector secretary assignment</b>                                     | <i>(J. Gibson/ C. Senneff)</i> |
| <i>iii.</i> | <b>Report – 2024 Annual Meeting and 2025 NCWM Interim Meeting</b>      | <i>(J.Gibson)</i>              |
| <i>iv.</i>  | <b>Report – Recent NTEP MDMD Type Evaluation Activity</b>              | <i>(T. Buck / J. Gibson)</i>   |
| <i>v.</i>   | <b>Report – Recent Measurement Canada Type Evaluation Activity</b>     | <i>(J. Foster)</i>             |
| <br>        |  |                                |
| <i>1.</i>   | <b>Review changes to Handbook 44, MDMD code since the last meeting</b> | <i>(j. Gibson)</i>             |
| <i>2.</i>   | <b>Measurement Canada update/ Changes to MC MDMD Code</b>              | <i>(J. Foster)</i>             |
| <i>3.</i>   | <b>Review changes to the 2025 edition of Pub 14, MDMD Checklist</b>    | <i>(J. Gibson)</i>             |
| <i>4.</i>   | <b>MDMD and the Verified Conformity Assessment Program (VCAP)</b>      | <i>(J. Gibson)</i>             |
| <i>5.</i>   | <b>Old/Misc Items for Worgroup Discussion</b>                          | <i>(J. Gibson)</i>             |
| <i>6.</i>   | <b>Volume Dimensioning/sub-group Report and Discussion</b>             | <i>(R.Suiter)</i>              |
| <i>7.</i>   | <b>New Items for Workgroup Discussion</b>                              | <i>(All)</i>                   |
| <i>8.</i>   | <b>Review of Current Workgroup Members list and update</b>             | <i>(All)</i>                   |
| <i>9.</i>   | <b>Review meeting activities and conclusions</b>                       | <i>(J. Gibson)</i>             |
| <br>        |  |                                |
| <i>10.</i>  | <b>Define next steps (if needed)</b>                                   | <i>(C. Senneff)</i>            |
| <i>11.</i>  | <b>Next meeting</b>  | <i>(C. Senneff)</i>            |

## Welcome and Introduction

- i. Welcome and Introductions (C. Senneff)*
- ii. Sector secretary assignment (J. Gibson / C. Senneff)*
- iii. Report – 2024 Annual Meeting and 2025 Interim Meeting (J. Gibson)*
- iv. Report – Recent NTEP MDMD Type Evaluation Activity (T. Buck - Ohio Lab, and Jeff Gibson - NTEP)*
- v. Report – Recent Measurement Canada Type Evaluation Activity (J. Foster)*

## Continual Items

### 1. Review changes to Handbook 44, MDMD code since the last meeting

No changes were made to the MDMD Code in the 2025 edition of the handbook.

**Discussion: No discussion needed since there were no changes.**

**No changes to HB 44**

### 2. MC Update / Review changes to Measurement Canada MDMD Code, and Terms and Conditions Documents

Discussion, as needed, regarding any changes to the Canadian MDMD Code since the Work Group's May 2019 meeting.

**Discussion: MC planning to align with OiML on MDMD evaluation methods. Will host a training in Septemebr for placed in service for MDMD.**

### 3. Review changes to the 2025 edition of Publication 14, MDMD Checklist

Changes were made to the MDMD Checklist in the 2025 edition of Pub 14. The changes were not technical in nature. They were adding already-in-use test methods for Static and Dynamic palletized freight that came from the In-Motion Forklift-based Pallet Dimensioning-Work Group.

Discussion: The publication is being reworked to make it easier to understand and follow just like the AWS checklist.

### 4. MDMD and the Verified Conformity Assessment Program (VCAP)

MDMDs are subject to VCAP requirements; a proposal, NTEP Committee Agenda item ADM-21.1, to add MDMDs to

VCAP was voted on and passed at the Spring Board of Directors Meeting of the NCWM. This policy went into effect on January 1<sup>st</sup> 2025. If you have any questions related to VCAP, please visit [www.NCWM.com](http://www.NCWM.com). There is a FAQ section for VCAP. Manufacturers will need to have the first external audit completed by December 31st, and Private label companies will need the first external audit completed by July 1st, 2026.

**Discussion:** No questions were brought forth by the manufacturers present at the meeting.

## 5. Old/ Misc. Items for Workgroup Discussion

No items carried over from previous meeting.

**Discuss:** No items were carried over to discuss.

## 6. Volume Dimensioning/sub-group Report and Discussion

The Subgroup will report on the changes to the Form 15 proposal submitted by the MDMD workgroup and discuss how the workgroup wants to proceed with the NIST changes that have been made to the proposal. The main point of contention is below.

### **S.1.6.3. Recorded Representations. – When interfaced with the elements that are necessary for a point-of-sale system, the recorded representation provided shall contain:**

- (a) **the net volume of the commodity**
- (b) **the identity of the commodity**
- (c) **the unit price of the commodity**
- (d) **the total price of the commodity**

#### **Discussion:**

Price computing is not intended to be mandatory it would be optional and only if the device has it. Discussion on “device” versus “system” and the inconsistency in HB 44 and that HB 44 needs to be standardized. Discussion around how speed of vehicle is verified. The Volume proposal was reviewed by the entire MDMD workgroup. The MDMD workgroup supports the proposal as written with the NIST changes.

## 7. New Items for Workgroup Discussion

### 7.1. Draft a proposal to change Handbook 44 to allow irregulars to have a different length and width d value.

Handbook 44 currently requires the d value for irregulars to be the same for length and width and height can be different; is it necessary that the length and width be the same?

**S.1.5.2. Devices Capable of Measuring Irregularly-Shaped Objects.** – For devices capable of measuring irregularly shaped objects, the value of the division size (d) shall be the same for the length axis (x) and the width axis (y) and may be different for the height axis (z), provided that electronic rotation of the object to determine the smallest hexahedron is calculated in only a two-dimension horizontal plane, retaining the stable side plane as the bottom of the hexahedron.

(Added 2008)

**Discussion:** On belt mdmd when an object is at a 45 degree angle the length and width could swap and create issues for the minimum d value. There likely would be more error introduced when the object is at angles. Concern about error in different axis if length and width are different. A subgroup was formed its members are Scott Henry Zebra, Richard Suiter Richard Suiter Consulting, Robert Kennington Cubiscan, Scott Davidson Mettler-Toledo Loren Minnich NIST OWM, Ohio Tom Buck, Barry Stone, Jeremy Coffe, Jeff Gibsno NTEP

### 7.2 forklift mast tilt/angle test for dynamic or static palletized freight.

Should there be a documented test procedure for mast tilt/angle on dynamic or static palletized freight? Currently, there is no test procedure. Interested to hear the group's thoughts on if this test is or is not needed.

**Discussion:** A subgroup was formed to develop a test method for publication 14 and to see if a form 15 needs introduced for HB 44. The sub group will be Klye Messer Rice Lake, Scott Davidson Mettler-Toledo, Justin Norman Quantronix, Barry Stone ODA. NTEP will ask Mearuemant Canada for there test method to use as a guide for the group.

### 7.3 Document in publication 14 the use of multiple boxes to “build up to a larger box size.”

For example, 3 boxes that are 4 ft x 4 ft can be used to achieve a 12 ft length or width or height. This is a common practice used currently by NTEP does the group think it needs to be documented?

**Discussion:** NTEP (Jeff) will put together a language proposal for the group to review to be added to publication 14 to document that using boxes to build up for large dimensions are acceptable.

## 8. Review of current work group members

Chris Senneff (Chair)	Avery Weigh-Tronix
Loren Minnich	NIST, Office of Weights and Measures
Tom Buck	Ohio
Jeff Gibson	NTEP
Joshua Foster	Measurement Canada
Sprague Ackley	Digimarc
Jeff Cooper	National Motor Freight Traffic Association
Scott Davidson	Mettler-Toledo, LLC
Brandi Harder	Rice Lake Weighing Systems, Inc.
Scott Henry	Zebra Technologies
Robert Kennington	Cubiscan
Kyle Messerly	Rice Lake Weighing Systems, Inc.
Don Newell	Newell Enterprises
Sameer Parmar	SICK, Inc.
Phil Peterson	SICK, Inc.
Tony Romeo	Datalogic
Richard Suiter	Richard Suiter Consulting
Scott Davidson	Mettler-Toledo, LLC
Matthew Walz	Walz Scale
Scott Wigginton	United Parcel Service
Matt Walz	Walz Scale
Adrian Ruthie	LoadScan

**Discussion:**

## 9. Review meeting activities

**Discussion:** No discussion

## 10. Define next steps.

**Discussion:** No discussion.

## 11. Next meeting

The workgroup is encouraged to recommend a date and location for the next workgroup meeting. Does the workgroup want to consider moving back to October as in the past? The recommendation will be presented to the NTEP Committee for review and approval. The workgroup should maintain, at a minimum, a yearly meeting schedule.

**Discussion:**

The workgroup likes the May meeting and the date was pocked the 2026 MDMD meeting will be at the Ohio Deprateman of griculture on Wednesday May 6<sup>th</sup> start time to be determined.

**Meeting Adjourned at 3:15 pm**

