

**Multiple Dimension Measuring Device Work Group
May 12-13, 2015 - Reynoldsburg, Ohio
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Schedule

Tuesday, May 12, 2015

- 8:30 AM Meeting Call to Order
- i. **Introductions and Welcome** (R. Kennington)
 - ii. **Reiteration of NTEP MDMD Work Group Mission** (D. Flocken)
 - iii. **Goal of this Meeting** (D. Flocken)
- 9:00 AM Status Reports
- iv. **Report – 2015 NCWM Interim Meeting** (D. Flocken)
 - v. **Report – Recent Measurement Canada Type Evaluation Activity** (I. Tremblay / P. Turgeon)
 - vi. **Report – Recent NTEP MDMD Type Evaluation Activity** (D. Flocken / T. Buck / I. Tremblay)
- 10:00 AM Break (15 min.)
- 10:15 AM Carry Over Items
- 1. **Review meeting summary from October 2014 meeting** (R. Kennington)
 - 2. **Review changes to NIST, HB44 MDMD code since last meeting** (D. Flocken)
 - 3. **Review changes to NCWM, Publication 14, MDMD Checklist** (D. Flocken)
 - 4. **Review Measurement Canada code changes** (I. Tremblay / P. Turgeon)
 - 5. **Review update to NTEP/MC Requirements Comparison Document** (D. Flocken / P. Turgeon)
 - 6. **Review update to new revision of MDMD Checklist** (D. Flocken)
 - 7. **Discussion of NTEP/MC Mutual Recognition Agreement – MC requests** (D. Flocken)
 - a. **MC Checklist to be primary evaluation document**
 - b. **MC to be primary evaluation laboratory**
- 12:00 PM Lunch Break (1 hour)
- 1:00 PM Carry Over Items (continued)
- 3:00 PM Break (15 min.)
- 3:15 PM Carry Over Items (continued)
- 4:30 PM Review Current Position / List Action Items
- 5:00 PM Adjourn for the day

Wednesday May 13, 2015

- 8:00 AM New Items
- 8. **Report on progress from multi-interval operation requirements subgroup** (????????????????)
 - 9. **Develop Form 15's identified in Requirements Comparison Document** (R. Harshman / D. Flocken)
- 10:00 AM Break (15 min.)
- 10:15 AM New Items (continued)
- 12:00 PM Lunch Break (1 hour)
- 1:00 PM Closing Discussion
- 10. **Review meeting activities and conclusions** (R. Kennington)
 - 11. **Define next steps (if needed)** (R. Kennington)
 - 12. **Next Meeting** (Work Group)
- 3:00 PM Break (15 min.)
- 3:15 PM Open Work Session
- This time is reserved for revisiting items requiring additional attention and any unscheduled items brought to the Group for consideration** (R. Kennington)
- 5:00 PM Adjourn

Note: topic times are approximate and merely included as a rough guideline to aid in maintaining meeting pace; some issues will invariably involve more detailed discussion than others.

Carry Over Items

1. Review meeting summary from October 2014 meeting

A copy of the October 2014 Meeting Summary can be downloaded at www.ncwm.net/ntep/sectors/mdmd/archive. Please bring a copy of the summary with you to the meeting.

2. Review changes to NIST, Handbook 44, MDMD code since last meeting

No changes to Handbook 44 have been made since the Work Group's October 2014 meeting.

3. Review changes to NCWM, Publication 14, MDMD Checklist

No changes to Publication 14, MDMD Checklist have been made since the Work Group's October 2014 meeting.

4. Review changes to Measurement Canada MDMD Code and Terms and Conditions

Discussion on changes to the Canadian MDMD Code.

5. Review update to NTEP / MC Requirements Comparison Document

Source: Work Group

Background /Discussion: During the October 2014 meeting the Pascal Trugeon lead a review and discussion of a requirements document designed to show where NTEP and MC requirements align or differ. The review lead to several changes/corrections to the document and identified several action items. Darrell Flocken agreed to update the document based on this discussion.

Recommendation: The update is complete and Darrell Flocken will lead the work group through a quick review of the changes. Because of the size of the document it was not included as an appendix to this agenda. A copy of the updated document was included in agenda distribution email. Please bring a copy of the document with you to the meeting.

Status: On going

6. Review update to new draft revision of Publication 14, MDMD Checklist

Source: Work Group

Background /Discussion: During the October 2014 meeting the work group agreed that the MDMD evaluation checklist in Publication 14 needs updated. It was discussed and agreed that the guide for this update would be the information from the review of the Requirements Comparison Document. This included coping checklist items from other sections of Publication 14 and incorporating several evaluation procedures from the MC Laboratory Manual.

Recommendation: The update is complete and Darrell Flocken will lead the work group through a quick review of the changes. Because of the size of the document it was not included as an appendix to this agenda. A copy of the updated document was included in agenda distribution email. Please bring a copy of the document with you to the meeting.

Status: On going

7. Discussion of NTEP / MC Mutual Recognition Agreement – MC request

a. Recommendation for the MC Checklist to be primary evaluation document

Source: NCWM Board of Directors and NTEP Committee

Background /Discussion: At the suggestion of Measurement Canada, the NCWM Board of Directors and the members of the NTEP Committee has asked the Work Group to consider recommending the Measurement Canada Evaluation Checklist be the primary document for the evaluation of MDMD Devices.

During the October 2014 meeting the work group agreed to recommend that MC not be the primary document for the evaluation of MDMDs and that each country adopt its own checklist. The WG is currently developing a joint US/MC type evaluation checklist and intends to propose in the future, changes to both NIST Handbook 44 and the MDMD portion of NCWM Publication 14.

Recommendation: The work group is encouraged to review its current position on this item.

Status: On going

b. Recommendation for MC to be primary evaluation laboratory

Source: Work Group

Background /Discussion: At the suggestion of Measurement Canada, the NCWM Board of Directors and the members of the NTEP Committee has asked the Work Group to consider recommending that the Measurement Canada Evaluation Laboratory be identified as the primary laboratory for the evaluation of MDMD devices.

At the October 2014 meeting the work group could not reach consensus on this issue because: 1) it was reported that test data would not be mutually accepted if Canada were to be the primary laboratory; 2) the time it takes for manufacturers to obtain a certificate through the MC lab due to a backlog of evaluations and custom issues; and 3) The need to maintain a U.S. Lab that has expertise in MDMD evaluations, and could conduct U.S. only evaluation. If most of the work was assigned to Measurement Canada, it would be very difficult to keep U.S. personnel trained. During the discussion of this charge, it was stated that the MRA is simply an acceptance of test data. Under the arrangement being considered, if MC is made primary lab, it would not accept US type evaluation data but the U.S would accept MC's type evaluation data. MC would perform tests that are included in the U.S. type evaluation checklist even though some of the tests might be exclusive to the U.S. and not a part of MC's evaluation of a device.

Recommendation: The work group is encouraged to review its current position on this item.

Status: On going

NEW ITEMS

8. Report on progress from multi-interval operation requirements subgroup

Source: Multi-Interval Operation Requirements Subgroup

Background /Discussion: During the October 2014 meeting the work group agreed to form a small subgroup charged with the task to develop requirements that address multi-interval operation for inclusion into both HB-44 and Pub 14. Members of the subgroup are as follows: Mr. Darrell Flocken, Mr. Rick Harshman, Mr. Scott Davidson, Mr. Justin Rae, and Mr. Scott Wigginton. It seems that the work group failed to assign a lead person for the subgroup and therefore, it is believed that no action has been taken on this item.

Recommendation: If this is still a valid item, the work group should ask for or assign a subgroup leader to move this item forward.

Status: On going

9. Develop Form 15's identified in Requirements Comparison Document

Source: Work Group

Background /Discussion: During the October 2014 meeting several items were identified as changes or additions to Handbook 44. These items are identified in the Requirements Comparison Document.

Recommendation: Using the information from the Requirements Comparison Document, the work group should complete the necessary forms (Form 15) to be submitted into the Handbook 44 adoption process.

Status: On going

CLOSING DISCUSSION

10. Review meeting activities and conclusions

11. Define next steps (if needed)

12. Next meeting

The Group should maintain a yearly schedule. The NTEP Administrator will determine when the next meeting is possible.