

National Type Evaluation Program (NTEP) Committee

2016 Interim Meeting Report

Ronald Hayes, Chairman
Missouri

500 INTRODUCTION

The NTEP Committee (hereinafter referred to as the “Committee”) submits this Committee Interim Report for consideration by National Conference on Weights and Measures (NCWM). This report contains the items discussed and actions proposed by the Committee during its Interim Meeting in New Orleans, Louisiana, January 22-25, 2012. The report will address the items in Table A during the Annual Meeting. Table A identifies the agenda items by reference key, title of item, page number and the appendices by appendix designations. The acronyms for organizations and technical terms used throughout the agenda are identified in Table B. Changes to NCWM Publication 14, *Administrative Policy* are by recommendation of the Committee and a majority vote of the Board of Directors. Changes to NCWM Publication 14, *Technical Policy, Checklists, Test Procedures* are by recommendation of the NTEP Sectors and a majority vote of the NTEP Committee. The first three digits of an item’s reference key are assigned from the Subject Series List. The status of each item contained in the report is designated as one of the following: **(D) Developing Item:** the Committee determined the item has merit; however, the item was returned to the submitter or other designated party for further development before any action can be taken at the national level; **(I) Informational Item:** the item is under consideration by the Committee but not proposed for Voting; **(V) Voting Item:** the Committee is making recommendations requiring a vote by the active members of NCWM; **(W) Withdrawn Item:** the item has been removed from consideration by the Committee.

Some Voting Items are considered individually, others may be grouped in a consent calendar. Consent calendar items are Voting Items that the Committee has assembled as a single Voting Item during their deliberation after the Open Hearings on the assumption that the items are without opposition and will not require discussion. The Voting Items that have been grouped into consent calendar items will be listed on the addendum sheets. Prior to adoption of the consent calendar, the Committee will entertain any requests from the floor to remove specific items from the consent calendar to be discussed and voted upon individually.

Committees may change the status designation of agenda items (Developing, Informational, Voting, and Withdrawn) up until the report is adopted, except that items which are marked Developing, Informational or Withdrawn cannot be changed to Voting Status. Any change from the Committee Interim Report (as contained in this publication) or from what appears on the addendum sheets will be explained to the attendees prior to a motion and will be acted upon by the active members of NCWM prior to calling for the vote.

An “Item Under Consideration” is a statement of proposal and not necessarily a recommendation of the Committee. Suggested revisions 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***. Additional letters, presentations and data may have been part of the Committee’s consideration. Please refer to www.ncwm.net/content/2012pub-16 to review these documents.

All sessions are open to registered attendees of the conference. If the Committee must discuss any issue that involves proprietary information or other confidential material; that portion of the session dealing with the special issue may be closed provided that (1) the Chairman or, in his absence, the Chairman-Elect approves; (2) the Executive Director is notified; and (3) an announcement of the closed meeting is posted on or near the door to the meeting session and at the registration desk. If at all possible, the posting will be done at least a day prior to the planned closed session.

Note: The policy is to use metric units of measurement in all of its publications; however, recommendations received by NCWM technical committees and regional weights and measures associations have been printed in this publication as submitted. Therefore, the report may contain references to inch-pound units.

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Glossary of Acronyms and Terms**

Acronym	Term	Acronym	Term
CC	Certificate of Conformance	NCWM	National Conference on Weights and Measures
CIML	International Committee of Legal Metrology	NIST	National Institute of Standards and Technology
DoMC	Declaration of Mutual Confidence	NTEP	National Type Evaluation Program
IV	Initial Verification	OIML	International Organization of Legal

			Metrology
MAA	Mutual Acceptance Arrangement	OWM	Office of Weights and Measures
MC	Measurement Canada	R	Recommendation
MDMD	Multiple Dimension Measuring Devices	VCAP	Verification Conformity Assessment Program
MRA	Mutual Recognition Arrangement		

Details of All Items
(In order by Reference Key)

510 INTERNATIONAL

510-1 I Mutual Recognition Arrangement (MRA)

Background / Discussion:

The MRA between Measurement Canada (MC) and NTEP labs originated April 1, 1994. Since that time, the original MRA has expanded, and a second MRA covering measuring devices was developed. On Tuesday July 19th, 2011, NCWM Chairman Mr. Tyson and MC President Mr. Johnston signed a 5 year renewal MRA that combined the weighing and measuring devices into one document and provides for continued cooperation between the two organizations and continuation of the beneficial partnership. The MRA is scheduled to be renewed in 2016.

The scope of the current MRA includes:

- gasoline and diesel dispensers;
- high-speed dispensers;
- gasoline and diesel meters intended to be used in fuel dispensers and truck refuelers;
- electronic computing and non-computing bench, counter, floor, and platform scales with a capacity up to 1000 kg (2000 lb);
- weighing/load receiving elements with a capacity of up to 1000 kg (2000 lb);
- electronic weight indicating elements (except those that are software based, i.e., programmed by downloading parameters); and
- mechanical scales up to 10 000 kg (20 000 lb).

MC, NTEP, and all of our mutual stakeholders agree that the MRA is a benefit for the North American weights and measures industry. The NTEP Committee appreciates the efforts and cooperation of Measurement Canada and is working with MC to continue and expand the arrangement.

During the 2014 Annual Meeting MC announced their agreement to accept test data recorded by an NTEP evaluator at a manufacturer’s facility, as per the NTEP contingency plan, if the test site and test plan were agreed upon prior to testing. The NTEP Committee continued discussion with MC to include Multiple Dimension Measuring Devices (MDMD) in the MRA. Plans are to renew the MRA in 2016. Concerns have been documented by the NTEP MDMD Work Group, Measurement Canada and NTEP laboratories pertaining to the inclusion of MDMD devices in Annex B of the MRA. After further consideration the NTEP Committee has decided not to move forward with the proposal to include MDMD in the MRA. The NTEP Committee plans to move forward with renewal MRA as it is currently structured.

For informational purposes, the following is the current MRA as published in NCWM Publication 14 2015, Administrative Policy.

7.1 US/Canada Mutual Recognition Arrangement on Type Evaluation

7.1.1 Purpose

The Purpose of this Mutual Recognition Arrangement (MRA) is to establish a working relationship to implement a voluntary program for the mutual recognition of the device evaluations administered and performed by Measurement Canada (MC), a special operating agency of Industry Canada, and the National Type Evaluation Program (NTEP) of the National Conference on Weights and Measures, Inc. (NCWM) of the United States.

7.1.2 Background

MC and NCWM operate ongoing type evaluation systems for commercial weighing and measuring devices. Canada, many states and several U.S. Federal agencies require the evaluation and approval of the design and performance of device prototypes prior to their sale for commercial use.

Rather than submitting commercial devices for the United States market to NTEP laboratories and essentially the same devices for the Canadian market to the MC's Approval Services Laboratories, manufacturers requested that United States and Canada (1) combine their evaluation tests and (2) recognize either NTEP laboratory or MC laboratory results of the combined evaluation as the basis upon which NTEP and MC would each issue their evaluation documents (either the NTEP Certificate of Conformance or the Canadian Notice of Approval). Expected benefits include: increase uniformity of test methods reducing unnecessary differences, misunderstandings, and unnecessary duplications; reduced cost and improved turn-around time by accessing a single source for type evaluation for both countries; increased competitiveness for both U.S. and Canadian manufacturers by accelerating the time from design to the end markets.

The following policy was adopted in January 1993 by the National Conference on Weights and Measures (predecessor to the National Conference on Weights and Measures Inc.) in concert with Measurement Canada (then known as Legal Metrology Branch):

“With respect to weights and measures devices, the parties agree that the most effective means to remove barriers to free trade is to achieve mutual recognition of device type evaluation testing. This necessarily involves the comparative analysis of type evaluation codes and test procedures together with the intent of streamlining and minimizing differences in so far as possible so as to enable efficient device evaluation while preserving the technical capability and competence of their mutual laboratories.”

7.1.3 Agreement

The United States National Type Evaluation Program (NTEP) of the National Conference on Weights and Measures Inc. (NCWM) and Measurement Canada (MC) agree to recognize each other's type evaluation results:

- NCWM will recognize the results of the tests performed by MC for the purpose of issuing NTEP Certificates of Conformance for device types set out in the annex A and B to this arrangement.
- MC will recognize the results of the tests conducted by NTEP Participating Laboratories for the purpose of issuing a Canadian Notice of Approval for the devices types set out in the annex A to this arrangement.
- Each party will continue to issue its own document (either the NTEP Certificate of Conformance or the Canadian Notice of Approval).

7.1.4 Collaboration

Both parties will collaborate to eliminate or minimize differences in requirements and test methods so as to enable efficient devices evaluation.

Each party will:

Make all information available to the other party, maintaining confidentiality of proprietary information;

- Collaborate in the development of additional areas of mutual recognition;
- Collaborate in the development of requirements and tests methods for commercial devices and systems;
- Collaborate in the development and maintenance of proficiency and uniformity of evaluation; and
- Collaborate to preserve the technical capability and competence of their mutual laboratories.

7.1.5 Resolution of Complaints

This MRA does not create binding obligations under international law. However, each party will investigate complaints that the other party brings forward, and both parties will work together to seek satisfactory resolution of such complaints.

7.1.6 Duration and Termination

This MRA will become effective on July 19, 2011. It will remain in effect for a period of five (5) years and may be extended by mutual consent. This MRA may be terminated at any time by either party upon six (6) months written notice to the other party.

7.1.7 Application for Type Approval

Under this arrangement, any applicant for type approval is free to apply to either country when requesting type approval in both countries.

Annex A

Devices for which NCWM and MC will recognize the results of the tests performed at the NTEP Participating Laboratories or MC Laboratory for the purpose of issuing NTEP Certificates of Conformance (USA) and Canadian Notice of Approval:

- Electronic weight indicating elements (except those that are “software based” i.e. programmed by downloading parameters);
- Electronic computing and non-computing bench, counter, floor and platform scales up to 1000 kg (2000 lb) capacity;
- Weighing / load receiving elements with capacities up to 1000 kg (2000 lb); and
- Mechanical scales with capacities not exceeding 10 000 kg (20 000 lb).

Annex B

Devices for which NCWM will recognize the results of the tests performed by MC for the purpose of issuing NTEP Certificates of Conformance:

- Gasoline Dispensers;
- High-Speed Refuellers; and
- Electronic Registers for Dispensers.

510-2 I Mutual Acceptance Arrangement (MAA)

Background / Discussion:

Information regarding the International Organization of Legal Metrology (OIML) MAA can be found at www.oiml.org/maa. NCWM has signed the OIML MAA Declaration of Mutual Confidence (DoMC) for

Recommendation (R) 60 Load Cells as a utilizing participant. A utilizing participant is a participant which does not issue any OIML Certificate of Conformance (CC) nor OIML Test Reports and/or Test Reports under a DoMC but does utilize the reports issued by issuing participants.

The US (NTEP) supported the OIML B10 documents for the MAA with the provision that the use of manufacturer test data was clearly identified on the MAA test report because NTEP cannot use manufacturer test data towards issuance of an NTEP certificate. Consequently, the CIML voted and approved the Amendment to B10 to allow the inclusion of test data from manufacturers, on a strictly voluntary basis, at its October 2012 meeting in Bucharest. Dr. Chuck Ehrlich gave an update to the Committee, reviewing the history of the above discussions, deliberations, and CIML votes, confirming that the outcomes aligned with the NTEP Committee's recommendations and the instructions provided by the NCWM Board of Directors.

Dr. Charles Ehrlich requested on multiple occasions that NCWM review its MAA policy regarding participation in R76. The NCWM Board recapped the decision process to participate as a utilizing participant for R60. Existing policy from 2006 is not to participate in R76 until NCWM is able to do so as an Issuing Participant. The Board has revisited the 2006 discussions leading to that decision, including considerations for NTEP labs' work load, potential lost expertise, concerns with quality of evaluations at some foreign labs, etc. Dr. Ehrlich wanted NCWM to reconsider and, if there was no possibility in sight that the NCWM could become an Issuing Participant, then it should consider becoming a utilizing participant for OIML R76. Some U.S. manufacturers support NCWM policy, but others would like to have one-stop shopping. The MAA also includes R49 (water meters) and R117 (RMFD) may be added soon. Since there are no new developments to effect the decision, the NCWM Board of Directors agreed to maintain existing policy at this time.

From January 2011 to February 2016, forty-seven NTEP certificates for load cells were issued under the MAA. The NTEP Administrator reviewed all MAA test data and drafted the CCs.

Because of the more recent difficulties encountered by the International Bureau of Legal Metrology (BIML) in adequately obtaining and summarizing peer review and/or accreditation data from the MAA test laboratories, it has been proposed that a more robust OIML Certification System (OIML-CS) be developed that has a Management Board to develop policy (subject to approval by the International committee on Legal Metrology, or CIML) and oversee operations. A preliminary plan for developing the OIML-CS has been prepared, and will be presented to the CIML for its approval.

The next meeting of the Committee on Participation Review (CPR) for R60 and R76 is scheduled for March 22 and 23, 2016 in Denmark. Plans are for Dr. Ehrlich, National Institute of Standards and Technology (NIST), Office of Weights and Measures (OWM); Mr. John Barton, NIST, OWM; and Mr. Darrell Flocken, NCWM to attend the meeting..

520 ACTIVITY REPORTS

520-1 I NTEP Participating Laboratories and Evaluations Reports

Background / Discussion:

The NTEP weighing and measuring laboratories held a joint meeting March 10-12, 2015, in Sacramento, California.

The NTEP weighing laboratories met in August 2015, prior to the NTEP Weighing Sector meeting in Denver, CO.

NTEP continues to routinely survey customers pertaining to NTEP administration and laboratories customer service. The survey is released to active CC holders. The board routinely reviews the results of the survey to form a continuous improvement plan for NTEP. With any survey, the challenge is to develop a document that is concise

enough that customers will respond, while also providing a meaningful set of data. To date, the NCWM Board of Directors is finding general approval of NTEP services.

During the 2015 Annual Meeting the Committee reviewed NTEP statistics through June 2015. The review of statistics shows that incoming applications are relatively comparable to normal and there exist no significant laboratory backlog issues.

The State of Maryland announced that they are resuming their activities as an NTEP measuring laboratory. The States of Oregon and Kansas have expressed their interest to pursue authorization as a NTEP Participating Field Laboratory for large capacity weighing devices. NTEP is working with Oregon and Kansas toward that goal.

The 2016 meeting of the NTEP Participating laboratories is scheduled for April 5-7, 2016 in Columbus, OH.

520-2 I NTEP Sector Reports

Background / Discussion:

All NTEP Sector reports were available to members at the time *NCWM Publication 15* was published. The NTEP Committee is committed to ensuring that electronic versions of sector reports are available with *NCWM Publication 15*. Please note that the sector reports will only be available in the electronic version of *NCWM Publication 15* at ncwm.net/meetings/interim/archive; they will not be available in the printed versions of *NCWM Publication 15*.

NTEP Belt-Conveyor Scale Sector:

The NTEP Belt-Conveyor Scale Sector met February 26, 2015, in St. Louis, Missouri. A final draft of the meeting summary was provided to the Committee prior to the 2016 NCWM Interim Meeting for review and approval (See Appendix B).

The next meeting of the NTEP Belt-Conveyor Scale Sector is scheduled for February 23, 2016 in Pittsburgh, PA. For questions on the current status of sector work or to propose items for a future meeting, please contact the sector Technical Advisor:

Technical Advisor

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NTEP Grain Moisture Meter and NIR Protein Analyzer Sectors:

It was decided that the NTEP Grain Analyzer (GA) Sector would not conduct a meeting in 2015. Neither a face-to-face or web meeting as announced. The decision was made primarily due to a lack of agenda items. Most of the tentative agenda items were updates and reports and the two S&T items (310-1 G-S.1 Identification from the Software Sector and 360-4 Appendix D - Definitions: Remote Configuration Capability) are still developing items. Therefore, Sector Chair Karl Cunningham decided to provide a GA Sector Report of Updates instead of holding a web meeting. A report of updates was compiled and circulated to all sector members. A comment sheet for feedback was circulated and summary of comments reported back to the members. A draft of the final summary was provided to the Committee prior to the 2016 NCWM Interim Meeting for review and approval (See Appendix C).

The next meeting of the NTEP Grain Moisture Meter and NIR Protein Analyzer Sectors is scheduled for September 13 -14, 2016 in Kansas City, MO. The second day will be a joint meeting with the NTEP Software

Sector. For questions on the current status of sector work or to propose items for a future meeting, please contact the Technical Advisor:

Technical Advisor

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NTEP Measuring Sector:

The NTEP Measuring Sector met September 15-16, 2015, in Denver, Colorado. A draft of the final summary was provided to the Committee prior to the 2016 NCWM Interim Meeting for review and approval. (See Appendix D)

The next meeting of the NTEP Measuring Sector Meeting is scheduled for September 20-21, 2016 in Denver, CO. For questions on the current status of sector work or to propose items for a future meeting, please contact the sector Technical Advisor:

Technical Advisor

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NTEP Software Sector:

The NTEP Software Sector met September 16-17, 2015 in Denver, Colorado. A final draft of the meeting summary was provided to the Committee prior to the 2016 NCWM Interim Meeting for review and approval. (See Appendix E)

The next meeting of the NTEP Software Sector is scheduled for September 14, 2016 in Kansas City, MO. The meeting will be a joint meeting of the NTEP Grain Analyzer and Software Sectors. For questions on the current status of sector work or to propose items for a future meeting, please contact the sector Chair and/or the NTEP Administrator:

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NTEP Weighing Sector:

The NTEP Weighing Sector met August 25-26, 2015, in Denver, Colorado. A final draft of the meeting summary was provided to the Committee prior to the 2016 NCWM Interim Meeting for review and approval. (See Appendix F)

The next NTEP Weighing Sector meeting is scheduled for August 23-24, 2016, in Denver, CO. For questions on the current status of sector work or to propose items for a future meeting, please contact the sector Technical Advisor:

Technical Advisor

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NTEP Multiple Dimension Measuring Devices (MDMD) Work Group:

The NTEP MDMD Work Group met May 12-13, 2015 and September 22-23, 2015, in Reynoldsburg, Ohio. A final draft of the meeting summaries was provided to the Committee prior to the 2016 NCWM Interim Meeting for review and approval. (See Appendix G)

The next NTEP MDMD Work Group meeting is scheduled for April 26-27, 2016, in Reynoldsburg, Ohio. For questions on the current status of work group or to propose items for a future meeting, please contact Work Group Chair Robert Kennington or NTEP Specialist Darrell Flocken.

Chair

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The NTEP Committee reviewed and approved all 2015 NTEP Sector and Work Group reports during the 2016 Interim Meeting.

530 CONFORMITY ASSESSMENT PROGRAM

530-1 I Conformity Assessment Program

Background / Discussion:

The Conformity Assessment Program was established to ensure devices produced after the device has been type evaluated and certified by NTEP continue to meet the same requirements. This program has three major elements: 1) Certificate Review (administrative); 2) Initial Verification (inspection and performance testing); and 3) Verified Conformity Assessment (influence factors). This item is included on the Committee's agenda to provide an update on these elements.

Certificate Review:

Certificates are constantly under review by NTEP staff and laboratories. Many active certificates are amended annually because of manufacturer submission for evaluation or issues reported by the states pertaining to information on the certificate. When the devices are re-evaluated and certificates are amended, all information is reviewed and necessary steps are taken to assure compliance and that accurate, thorough information is reported on the certificate.

In an effort to keep certificate information up to date, the Committee continues to offer an opportunity for active certificate holders to update contact information that is contained in the "Submitted By" box on certificates. This is

offered during the payment period of their annual maintenance fee. Many CC holders have taken advantage of the opportunity for hundreds of NTEP certificates.

Initial Verification (IV):

The IV initiative is ongoing. Field enforcement officials perform an initial inspection and test on new installations on a routine basis. The Committee recognized that the states do not want IV reporting to be cumbersome.

An IV report form was developed several years ago. The Committee desired a simple form, perhaps web-based for use by state and local regulators. The form was approved by the Committee and distributed to the states. A completed form can be submitted via mail, e-mail, fax, or online. The form is available to regulatory officials who are members of NCWM at www.ncwm.net/ntep/conformity/verification.

During the 2014 Annual Meeting NTEP acknowledged that the regulators have not bought into the IV report form. Industry representatives stated that IV is very important to ensure conformity assessment and the NCWM should push harder for reporting of non-compliance issues found during IV.

VCAP:

NCWM has been concerned about production meeting type and protecting the integrity of the NTEP CC since the inception of NTEP. The board has consistently reconfirmed its belief that conformity assessment is vital to NTEP's continued success.

Load cells traceable to NTEP certificates were selected for the initial assessment effort. NCWM elected to require a systems audit checklist that is to be completed by an outside auditor and submitted to NCWM per Section 221.3.3.3.5 of the VCAP requirements. A VCAP Systems Audit Checklist for Manufacturers and a VCAP Systems Audit Checklist for Private Label Certificate Holders have been developed and are available on the website at www.ncwm.net/ntep/conformity/vcap/checklists-faqs. Additionally, the Committee developed a new *NCWM Publication 14*, administrative policy to distinguish between the requirements for parent NTEP certificate holders (21.3.3.2) and private label certificate holders. The requirements in 21.3.3.7 track the private label checklist requirements: traceability to parent NTEP CC, traceability of the private label cell to a VCAP audit, purchase and sales records, plan to report non-conforming product and non-conforming product in stock, plan to conduct internal audits to verify non-compliance action, and internal audit records.

As a result of VCAP activities, 27 load cell certificates, involving 15 different certificate holders, were changed to "inactive" status.

In 2012 the Committee announced the next device category to be weighing/load receiving elements, 2000 lb capacity and less, using load cells that are not traceable to their own NTEP certificate. As a result of VCAP, 15 certificates, involving 11 different certificate holders, were changed to "inactive" status..

The Committee had discussions about the required number of audits for facilities that manufacture multiple device types. For example, if a company had successful audits for two device types, they might submit a request for a delay from audit requirements for remaining device types, stating that they are all subjected to the same processes and will be audited in the next cycle. The Committee agreed to the request in principal and directed the NTEP Administrator to develop NCWM policy language for consideration during the next Board meeting. As a result the following policy was adopted by the NCWM Board in October 2013.

Adding Device Categories to VCAP:

Policy:

1. When a new device category is added to the VCAP requirement, NTEP will recognize the current VCAP audit certification in effect, submitted by a certificate holder, for the same certificate holder and same production facility(s), to cover the new device category, continue the manufacturing process for devices covered by NTEP certificates in the newly added device category, until the due date of the next VCAP audit.

Example: If a company had successful audits for two device types, they might submit a request for exemption from audit requirements for remaining device types, stating that they are all subjected to the same quality management system and will be included in the next audit cycle. The next VCAP audit must be done within 3 years of the last audit and address all applicable device types produced within that facility.

Seven weighing device categories subject to influence factors, as defined in NIST Handbook 44, were identified and are subject to VCAP audits. The VCAP process requirement is ongoing for load cells, weighing elements that use non-NTEP load cells and indicating elements. Certificate holders for these device types are required to have an on-site audit of the manufacturer's quality system and on-site random and/or review of a production device by an outside auditor to verify compliance with VCAP. Certificate holders are encouraged to research the VCAP requirements on the NCWM website under the NTEP, Conformity Assessment section. Certificate holders are encouraged to review the VCAP requirements applicable to their devices and report concerns to the NTEP Committee.

The Committee decided during the 2014 Annual Meeting to include indicating elements and approved developed timeline below.

NCWM/NTEP VCAP Compliance Timeline					
Indicating Elements					
Jan 2015– March 2015	Jan 2015- May 2016	Jan 2015- Nov 2016	Jan 2015- Dec 2016	Jun 2016	Dec 2016
NTEP notifies active CC holders of VCAP requirements	Parent CC holders to put VCAP QM system in place	Private Label CC holders to put VCAP QM system in place	NTEP evaluates incoming audit reports	NCWM declares CCs inactive if Parent CC holder fails to comply with VCAP	NCWM declares CCs inactive if Private Label CC holder fails to comply with VCAP
	CC holder to have audit conducted by Certified Body	CC holder to have audit conducted by Certified Body	NTEP contacts CC holders not meeting VCAP requirements to encourage compliance		
	Submit audit report to NCWM/NTEP	Submit audit report to NCWM/NTEP			

The following disclaimer has been advertised and communicated by NCWM: "NCWM is working to identify all active certificates subject to VCAP compliance. As a courtesy, affected certificate holders are being notified of VCAP requirements and the established time line. Please note that the NCWM Board of Directors does not consider it to be NCWM's responsibility to notify all certificate holders about affected certificates. Certificate holders are responsible for reviewing their active NTEP certificates and compliance with VCAP

The Committee has received letters, questions, and many other inquiries pertaining to VCAP. The Committee has worked diligently to answer the questions submitted in a very timely manner. The Committee knows that additional questions will be posed as VCAP progresses. Certificate holders and other interested parties are encouraged to submit written questions to the NTEP Committee. The Committee is pleased to report that it has been successful in answering all the questions to date. Clerical changes have been made to affected VCAP documents as deemed necessary.

530-2 I Device Categories Subject to VCAP

Source: NTEP Committee

Item under Consideration:

NCWM must decide when to include the four remaining device categories subject to VCAP. The four remaining categories include: complete scales, automatic weighing systems, belt-conveyor scales and automatic bulk weighing systems. The Committee is working to develop a timeline to include the remaining categories.

Background / Discussion:

During the 2015 Interim and Annual Meetings, the Committee heard no comments about their announced intent to include the remaining categories in the near future. The Committee is strongly considering developing a timeline to include the four remaining device categories. This includes both Manufacturers and Private Label Holders of Certificates of Conformance (CC) for these Device Types.

- Complete Scales*,
- Automatic Weighing Systems,
- Belt-Conveyor Scales, and
- Automatic Bulk Weighing Systems.

During the 2014 Annual meeting the Committee heard objections from several companies to expanding VCAP to all the device types. The NTEP Committee made the decision to pull back on their proposal to include all remaining device categories under VCAP, only adding a timeline for indicating elements. During the 2015 Interim and Annual Meetings the Committee heard testimony opposing their consideration to include weighing/load-receiving elements using load cells traceable to an NTEP certificate. The Committee received letters from Cardinal Scale, Fairbanks Scales and Rice Lake Weighing Systems opposing the inclusion of all weighing/load-receiving elements primarily because such inclusion would be redundant resulting in the unnecessary expense of additional VCAP testing. The SMA is also on record opposing the inclusion.

The NTEP Committee and NCWM Board has agreed not to include weighing/load receiving elements using NTEP load cells in the list of device categories subject to VCAP. However, the Board notified certificate holders that they have no intention of amending the table of devices subject to influence factor testing found in the Weighing Devices Section of NCWM Publication 14.

When VCAP requirements are applied the certificate holder is required to have an on-site audit of the manufacturer's quality system and on-site random and/or review of a production device by an outside auditor to verify compliance with VCAP. Certificate holders are encouraged to research the VCAP requirements on the NCWM website under the NTEP, Conformity Assessment section, review the VCAP requirements applicable to their devices and report concerns to the NTEP Committee.

During the 2016 Interim Meeting the Committee heard comments proposing that the remaining device categories be phased in over a several year period. The Committee appreciates the input from the stakeholders. NTEP has developed the following proposed timelines to phase in the remaining device categories. The timelines identify the inclusion of the remaining device types into the NTEP, Verified Conformity Assessment Program. Each timeline includes both manufacturers and private label holders of Certificates of Conformance for the device type. Comments from affected stakeholders are welcomed and appreciated.

Complete Scales:

This device type includes, but is not limited to, Computing, Non-computing, Point of Sale, Crane, Monorail, and Grain Test Scales with weighing capacities up to and including 2000 lb. It is important to note that the use of an NTEP certified load cell does not qualify the scale for an exemption to the VCAP requirements.

NCWM/NTEP VCAP Compliance Timeline Complete Scales					
Jan 2017– March 2017	Jan 2017- May 2018	Jan 2017- Nov 2018	Jan 2017- Dec 2018	Jun 2018	Dec 2018
NTEP notifies active CC holders of VCAP requirements	Parent CC holders to put VCAP QM system in place	Private Label CC holders to put VCAP QM system in place	NTEP evaluates incoming audit reports	NCWM declares CCs inactive if Parent CC holder fails to comply with VCAP	NCWM declares CCs inactive if Private Label CC holder fails to comply with VCAP
	CC holder to have audit completed by authorized auditing company	CC holder to have audit completed by authorized auditing company	NTEP contacts CC holders not meeting VCAP requirements to encourage compliance		
	Submit audit report to NCWM/NTEP	Submit audit report to NCWM/NTEP			

Automatic Weighing Systems:

NCWM/NTEP VCAP Compliance Timeline Automatic Weighing Systems					
July 2017– Sept 2017	July 2017- Nov 2018	July 2017- May 2019	July 2017- Jun 2019	Dec 2018	Jun 2019
NTEP notifies active CC holders of VCAP requirements	Parent CC holders to put VCAP QM system in place	Private Label CC holders to put VCAP QM system in place	NTEP evaluates incoming audit reports	NCWM declares CCs inactive if Parent CC holder fails to comply with VCAP	NCWM declares CCs inactive if Private Label CC holder fails to comply with VCAP
	CC holder to have audit completed by authorized auditing company	CC holder to have audit completed by authorized auditing company	NTEP contacts CC holders not meeting VCAP requirements to encourage compliance		
	Submit audit report to NCWM/NTEP	Submit audit report to NCWM/NTEP			

Automatic Bulk Weighing Systems:

NCWM/NTEP VCAP Compliance Timeline Automatic Bulk Weighing Systems					
Jan 2018– March 2018	Jan 2018- May 2019	Jan 2018- Nov 2019	Jan 2018- Dec 2019	Jun 2019	Dec 2019
NTEP notifies active CC holders of VCAP requirements	Parent CC holders to put VCAP QM system in place	Private Label CC holders to put VCAP QM system in place	NTEP evaluates incoming audit reports	NCWM declares CCs inactive if Parent CC holder fails to comply with VCAP	NCWM declares CCs inactive if Private Label CC holder fails to comply with VCAP
	CC holder to have audit completed by authorized auditing company	CC holder to have audit completed by authorized auditing company	NTEP contacts CC holders not meeting VCAP requirements to encourage compliance		
	Submit audit report to NCWM/NTEP	Submit audit report to NCWM/NTEP			

Belt-Conveyor Scales:

NCWM/NTEP VCAP Compliance Timeline Bulk-Conveyor Scales					
July 2018– Sept 2018	July 2018- Nov 2019	July 2018- May 2020	July 2018- Jun 2020	Dec 2019	Jun 2020
NTEP notifies active CC holders of VCAP requirements	Parent CC holders to put VCAP QM system in place	Private Label CC holders to put VCAP QM system in place	NTEP evaluates incoming audit reports	NCWM declares CCs inactive if Parent CC holder fails to comply with VCAP	NCWM declares CCs inactive if Private Label CC holder fails to comply with VCAP
	CC holder to have audit completed by authorized auditing company	CC holder to have audit completed by authorized auditing company	NTEP contacts CC holders not meeting VCAP requirements to encourage compliance		
	Submit audit report to NCWM/NTEP	Submit audit report to NCWM/NTEP			

530-3 I VCAP Certification Bodies

Source: NTEP Committee

Item under Consideration:

Amend NCWM Publication 14, Administrative Policy as follows:

21.1.3.3.1. The selected Certification Body is to be accredited by ANSI-ASQ National Accreditation Board (ANAB) or by a Signatory of the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition. ~~The ANSI, ANAB and ILAC are ASQ National Accreditation Board is the U.S.~~ accreditation body bodies for management systems. ANAB and ILAC accredits certification bodies (CBs) for ISO 9001 quality management systems (QMS), ISO 17025 laboratory testing facilities and ISO 14001 environmental management systems (EMS), as well as a number of industry-specific requirements, ~~or equivalent.~~

Background / Discussion:

During the 2015 NCWM Annual Meeting the Committee informed membership that it plans to consider a recommended amendment to NTEP administrative policy. NTEP has learned that the two organizations (ANAB and ILAC) have a mutual recognition agreement. Researching this fact NTEP contacted a U.S. Certification Body that is accredited by ANAB and a non-U.S. Certification Body accredited by ILAC and asked them if they would accept an audit report from the other Certification Body. Both responded that they would providing that the Certification Body was accredited by a Signatory of the ILAC Mutual Recognition Arrangement and that the ISO/IEC 17025 standard is mentioned in the accreditation bodies recognized scope.

Considering the above information and from what NTEP has read on both the ANAB and ILAC web sites, there is sufficient justification to accept the work of ILAC accredited auditing firms that are recognized to the ISO/IEC 17025 standard for testing.

As VCAP is expanded to include additional devices and more international manufacturers, it became evident that the limitation of requiring the Certification Body to be accredited by a U.S. based Accreditation Board created a limited pool of Certification Bodies and Auditors to pick from. In addition, NTEP was approached by a few non-U.S. based Certification Bodies requesting that NTEP recognize accreditation organizations such as the International Laboratory Accreditation Cooperation (ILAC).

During the 2016 Interim Meeting the Committee heard no objects to the proposal. The NTEP Committee consequently authorized the change in the 2016 NCWM Publication 14.

Mr. Ron Hayes, Missouri | Committee Chair
Mr. Jerry Buendel, Washington State NCWM Chairman
Ms. Kristen Macy, California | NCWM Chairman-Elect
Mr. James Cassidy, City of Cambridge, Massachusetts | Member
Mr. Kenneth Ramsburg, Maryland | Member
Mr. Jim Truex, NCWM | NTEP Administrator

National Type Evaluation Program Committee

Appendix A
NTEP Statistics Report

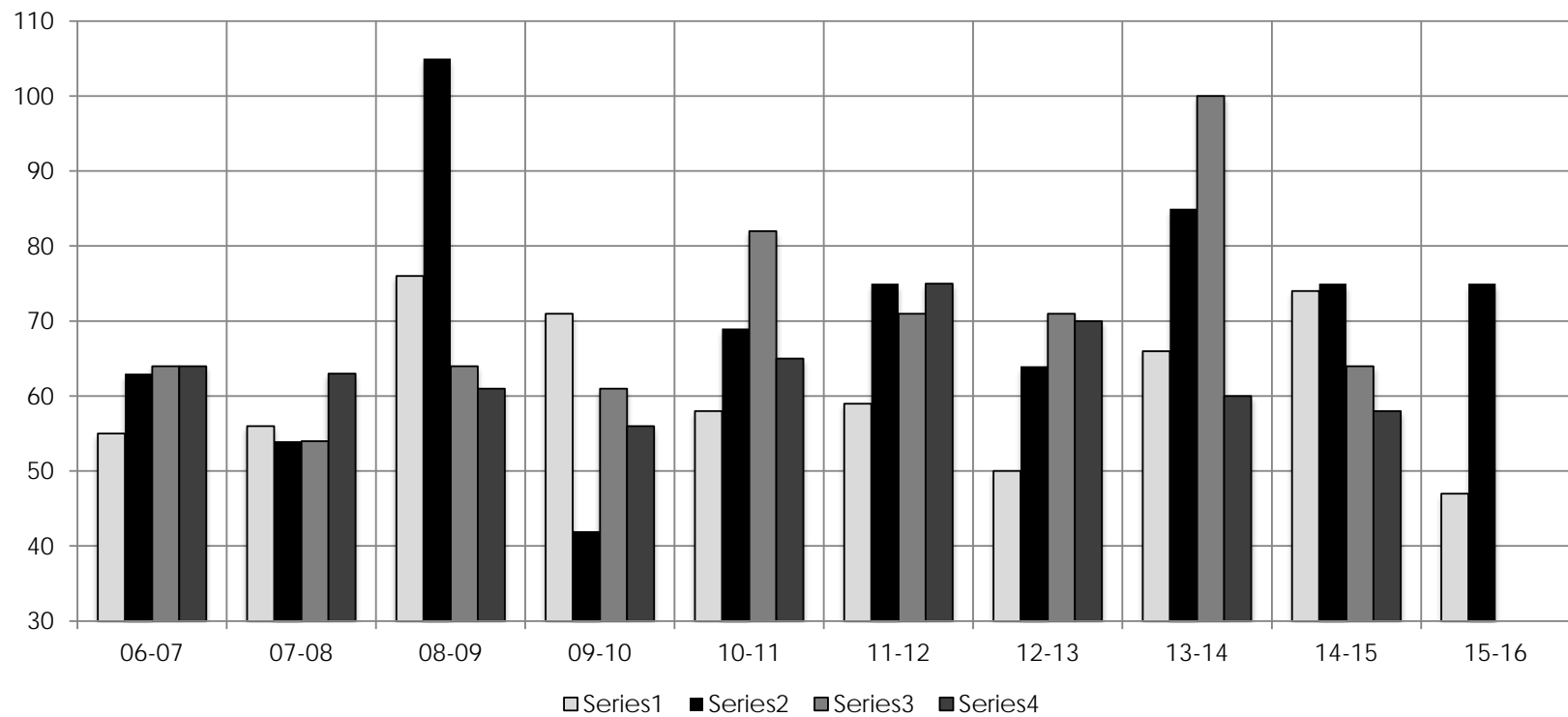
General NTEP Statistics	Last Year	This Year to Date
	10/01/14 – 9/30/15	10/01/15 – 3/31/16
Total Applications Processed	(42) 271	(17) 122
Applications Completed	314	56
New Certificates Issued	281	122
Active NTEP Certificates		1961

() = Reactivations

Process Statistics	10/2008 - Present
Average Time to Assign an Evaluation	4.9 Days
Average Time to Complete an Evaluation	87.1

Evaluations in Progress: September 30, 2018

Evaluations in Progress by Lab	0-3 Months	3-6 Months	6-9 Months	9-12 Months	Over 1 Year	Total
California	8	3			2	13
Canada	2					2
GIPSA-DC	1					1
GIPSA-KC			2	4	3	9
Maryland	10	2	1	3	2	18
New York	1	3				4
NIST Force Group		3				3
North Carolina	2	1	1		3	7
Ohio	8	1	1		2	12
Oregon					1	1
NTEP Staff	10	1				11
Unassigned	1					1
					Total Pending:	82



	06-07	07-08	08-09	09-10	10-11	11-12	12-13	13-14	14-15	15-16
Oct – Dec	55	56	76	71	58	59	50	66	74	49
Jan – Mar	63	54	105	42	69	75	64	85	75	75
Apr – Jun	64	54	64	61	82	71	71	100	59	
Jul - Sep	64	63	61	56	65	75	70	60	44	
Total	246	227	306	230	274	280	255	311	252	124

Average Per Quarter: 10-YR: 66.4

Average Per Quarter This FY: 62

Appendix B

National Type Evaluation Program Belt-Conveyor Scale (BCS) Sector Meeting Summary

February 26, 2015 / St. Louis, Missouri

All NTEP Sector reports were available to members at the time *NCWM Publication 15* was published. The NTEP Committee is committed to ensuring that electronic versions of sector reports are available with *NCWM Publication 15* in the future. Please note that the sector reports will only be available in the electronic version of *NCWM Publication 15* at www.ncwm.net/committees/ntep/sectors/belt-conveyor/archive; they will not be available in the printed versions of *NCWM Publication 15*.

Appendix C

National Type Evaluation Program Grain Analyzer Sector Summary

2015

All NTEP Sector reports were available to members at the time *NCWM Publication 15* was published. The NTEP Committee is committed to ensuring that electronic versions of sector reports are available with *NCWM Publication 15* in the future. Please note that the sector reports will only be available in the electronic version of *NCWM Publication 15* at <http://www.ncwm.net/committees/ntep/sectors/grain-analyzer/archive>; they will not be available in the printed versions of *NCWM Publication 15*.

NTEP 2016 Interim Meeting Agenda
Appendix C – NTEP Grain Analyzer Sector Meeting Summary

Appendix D

National Type Evaluation Program Measuring Sector Meeting Summary

September 15-16, 2015 / Denver, Colorado

All NTEP Sector reports were available to members at the time *NCWM Publication 15* was published. The NTEP Committee is committed to ensuring that electronic versions of sector reports are available with *NCWM Publication 15* in the future. Please note that the sector reports will only be available in the electronic version of *NCWM Publication 15* at <http://www.ncwm.net/committees/ntep/sectors/measuring/archive>; they will not be available in the printed versions of *NCWM Publication 15*.

Appendix E

National Type Evaluation Program Software Sector Meeting Summary

September 16-17, 2015/ Denver, Colorado

All NTEP Sector reports were available to members at the time *NCWM Publication 15* was published. The NTEP Committee is committed to ensuring that electronic versions of sector reports are available with *NCWM Publication 15* in the future. Please note that the sector reports will only be available in the electronic version of *NCWM Publication 15* at <http://www.ncwm.net/committees/ntep/sectors/software/archive>; they will not be available in the printed versions of *NCWM Publication 15*

Appendix F

National Type Evaluation Program Weighing Sector Meeting Summary

August 25-26, 2015 / Denver, Colorado

All NTEP Sector reports were available to members at the time *NCWM Publication 15* was published. The NTEP Committee is committed to ensuring that electronic versions of sector reports are available with *NCWM Publication 15* in the future. Please note that the sector reports will only be available in the electronic version of *NCWM Publication 15* at <http://www.ncwm.net/committees/ntep/sectors/weighing/archive>; they will not be available in the printed versions of *NCWM Publication 15*

Appendix G

National Type Evaluation Program Multiple Dimension Measuring Devices Work Group Meeting Summary

May 12-17, 2015 / Reynoldsburg, OH

September 22-23, 2015 / Reynoldsburg, OH

All NTEP Sector and Work Group reports were available to members at the time *NCWM Publication 15* was published. The NTEP Committee is committed to ensuring that electronic versions of sector reports are available with *NCWM Publication 15* in the future. Please note that the sector reports will only be available in the electronic version of *NCWM Publication 15* at <http://www.ncwm.net/committees/ntep/sectors/weighing/archive>; they will not be available in the printed versions of *NCWM Publication 15*

NTEP 2016 Interim Meeting Agenda
Appendix G – NTEP Multiple Dimension Measuring Devices Work Group Meeting Summary