



NCWM - NEWS

National Conference on Weights and Measures

INSIDE THIS ISSUE

Chairman's Column.....	1
NTEP Column: Getting Serious About VCAP	3
NCWM Welcomes New Members	4
It Works! Electronic Voting System a Success	5
102nd NCWM Annual Meeting: Award Recipients.....	8
102nd NCWM Annual Meeting: Lifetime Achievement Award	10
102nd NCWM Annual Meeting: Voting Record	11
Event Calendar	12

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Chairman's Column

James Cassidy, NCWM Chair — City of Cambridge Weights and Measures Department



Dear NCWM Members,

The first thing that I want to say to all of you is thank you for having the faith in me to lead this prestigious organization. To all who have served or whom are currently serving this conference in any type of capacity, your devotion in being part of our standard setting process will not go unnoticed.

My theme for this year is "Back to the Basics, as we arrive in the Cloud." As we look at the present and future of weights and measures, testing, sealing, and inspecting of these devices and systems might look different, but let's remember a pound is still 16 ounces, a gallon is still 231 cubic inches, and a mile is still 5280 feet. How we test these devices might be different in some applications, but the measurement standards stay the same.

One of my goals for this year is to help and strengthen our region associations. Our regions are the building blocks to our conference. I want to make sure that all resources are available for future standard developers. Having the right tools in our toolbox is a must to our success. The first of these regions to receive some of these tools will be the central region. I have approved Don Onwiler to attend the fall CWMA Interim Meeting and put on a presentation regarding committee development and meeting processes. This will be available to all regional groups. Please let me or any of the board

members know your needs, so we can assist you with this process.

My next goal is strengthening our subcommittees and task groups. First on my list is the Fuels and Lubricants Subcommittee (FALS). As I travel this year to the regionals, I am going to reach out to states with fuel quality labs for their help. In June, I was able to meet some great fuel quality lab personnel from all over the nation at ASTM D02 in Boston. I want to thank Randy Jennings for that invitation. Meeting with these folks made me realize they would be a great asset to our conference. In saying that, we will be adding a list server for these labs with the hope of adding these state regulators to FALS in some manner.

My appointments are as follows:

Specifications and Tolerances Committee

Joe Eccleston, Maryland

Brad Bachelder, Maine

Laws and Regulations Committee

John McGuire, New Jersey

Professional Development Committee

Jean Kliethermes, Missouri

Credentials Committee

David Aguayo, County of San Luis Obispo, CA

Fuels and Lubricants Subcommittee

Bill Striejewski, Nevada - as Chair

I would like to thank Dr. Matthew Curran for his service on FALS and the Specifications and Tolerances Committee, as he chaired both groups. Good luck in your new position in Florida. I'd also like to thank the following who have completed their terms:

Continued on page 2

Chairman's Column (cont.)

Specification and Tolerances Committee

Jane Zulkiewicz, Barnstable, MA

Laws and Regulation Committee

Louis Sakin, Hopkinton and Northbridge, MA

Professional Development Committee

Stacey Carlsen, Marin County, CA

Credentials Committee

Matt Maiten, Santa Barbara County, CA

My final thanks go to a couple of my NEWMA colleagues that I did not mention when I addressed the conference in July. I guess nerves might have got the best of me. Cheryl Ayer from New Hampshire, thanks for everything that you have done, your great work on PDC, and much more. To Marc Paquette from Vermont for doing a great job as presiding officer; and Walt Remmert and his staff from Pennsylvania for being such great host this year.

As we move into fall and start our yearly cycle, we will have old and new challenges in front of us, such as credit card skimmers. It is my intention to co-sponsor a proposal for preventive measures on devices that contain credit card readers. This has become a serious concern and needs to be addressed. We also must continue the work on transportation network systems, now that we have a (TNMS) tentative code.

I look forward to meeting and discussing these important issues with all of you. Chair-Elect Brett Gurney and I will be attending the four annual meetings starting with the Western in Scottsdale, AZ, then on to the Southern in Little Rock, AR. After the holidays, we will be back in St. Pete Beach, FL, for the NCWM Interim Meeting then on to the Northeastern in Saratoga, NY. The final regional will be the Central in Springfield, IL, with the NCWM Annual Meeting in Tulsa, OK.

See you all soon!

James P. Cassidy Jr.

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NTEP CC: 11-112

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NTEP Column: Getting Serious About Verified Conformity Assessment

By Jim Truex, NTEP Administrator

After years of discussion and study, the NCWM rolled out their "Verified Conformity Assessment Program" (VCAP) in 2008. VCAP is the element of conformity assessment that has the largest impact on certificate holders. Certificate holders are already responsible for conformity assessment for devices manufactured, distributed and used deemed traceable to the NTEP certificate of conformance and should have procedures in place to assure conformity assessment. VCAP verifies that it is occurring.

VCAP is the area of conformity assessment that applies to manufacturers of metrological devices and components, traceable to an NTEP "Certificate of Conformance" (CC), that are subject to influence factors defined in *NIST Handbook 44*. Holders of NTEP certificates (the company in the "Submitted by" box on the NTEP CC) for these weighing devices are required by *Publication 14 Administrative Policy* to have a VCAP program in place.

If your company holds an active NTEP certificate for a device (instrument) and/or main element (component or module) of a weighing device that is subject to influence factor testing you must pay attention. Devices and elements include: load cells, weighing / load receiving elements 2000 lb capacity and less using non-NTEP load cells, indicating elements, complete scales 2000 lb capacity and less, automatic weighing systems, belt-conveyor scales automatic bulk weighing system controllers, monorail scales 2000 lb capacity and less, on-board weighing systems 2000 lb capacity and less and scale system controllers.

The NTEP Committee was given updated VCAP statistics during the 2017 Annual Meeting. The statistics are being shared below.

As a result of VCAP activities:

- 27 load cell CCs, involving 15 different certificate holders, were changed to "inactive" status
- 15 weighing/load receiving elements certificates (2000 lb capacity and less, using load cells that are not traceable to their own NTEP certificate), involving 11 different certificate holders, were changed to "inactive" status
- 7 indicating element certificates, involving 5 different certificate holders (3 manufacturers, 2 private label CC holders) chose to let their CCs go inactive

Load Cells: Since June 2016 (through June 2017) no CCs were made inactive due to VCAP noncompliance.

- 45 new or amended CCs were issued since June of 2016. Of the 45, only one was the first CC for the manufacturer and that manufacturer had a VCAP audit performed 3 months after the CC issue date

W/LRE ≥ 2000 lb w/non NTEP load cells: Since June 2016 one CC was made inactive due to VCAP noncompliance however, that manufacturer completed their required VCAP audit in January 2017 and the CC was reactivated.

- 10 new CCs, within this VCAP device category, were issued in this time frame. Other than the one mentioned above, all were issued to VCAP compliant manufacturers
- One manufacturer which previously had their CC for this device type made inactive announced it was in the process of satisfying their VCAP requirements and will reapply for these models once VCAP compliance is completed. (This decision was based on the addition of Complete Scales to the list of VCAP devices)

Indicating Elements: Compliance deadline was June 2016 for manufacturers and December 2016 for private label CC holders.

Statistics:

- 97 CC holders (manufacturers and private labelers) were in compliance by the deadline
- 3 manufacturers and 2 private label CC holders chose to let their combined 7 CCs go inactive
- Two manufacturer's and one private label CC holder are currently working to obtain VCAP compliance. The NTEP Specialist is working with all 3 as the auditor

Complete Scales: This device category has a compliance deadline of June 2018 for manufacturers and December 2018 for private label CC holders.

- 56 new CC holding companies added to VCAP by including complete scales to the VCAP device list.
- 55 are manufacturers
- 1 is a private labeler
- 11 companies have completed their VCAP audit as of July 1, 2017
- With the addition of Complete Scales to the VCAP device list, two manufacturers, which had previously let CCs for load cells go inactive, informed NTEP that they are going to comply with VCAP requirements and will reapply to NTEP for new certificates for load cell.

Continued on page 5

NCWM WELCOMES NEW MEMBERS (4/24/17 - 8/15/17)

Abacus Business Computer LLC
Craig Huang

ABZORB-IT
Graham Eyres

Accurate Superior Scale Company
Paul Hebenstreit

Advannova, Inc.
Jerry Baker

Afton Chemical
Ian Macpherson

Agilysys
Charles Tasso

Alaska Division of Measurement
Robert Juhlin
Justin Zimin

ANGI Energy Systems
Ryan Salberg

Applied Scale Solutions
Johnathan Allen

B&R Stores
Matthew Morrison

Bassman, Mitchell, Alfano & Leiter, Chtd.
Daniel Bryant

Butler County Auditor's Office
Dan Walter

Changzhou Hongli Weighing Equipment Co. Ltd.
Bill Ma

City of Green Bay
Jason Stubble

Colorado Division of Oil & Public Safety
Rich Holcomb
Zach Hope
Kagen Kitzman

Comcash
Amar Sidhu

County of Santa Cruz
Juan Hidalgo

Delaware County Auditor
Rita Mendel

DoubleBeam
John Fiore

Elite Scales & Systems, LLC
Mike Castaneda

Epos Now Ltd
Sam Pavitt

Esit Elektronik Sistemler imalat ve Tic. Ltd. Sti.
Burcu Cekin

FedEx Services
Aparna Narayana

FlintLoc
David Jacobs

Florida Dept. of Ag. & Consumer Services
Mauricio Mejia

Haltermann Solutions
Prasad Tumati

Hancock County Auditor's Office
Adam Miller

Haver & Boecker USA
Juan Gonzalez

Idaho W&M
Ronald Kinney

Imperial County W&M
Carlos Ortiz

Iowa W&M
Mike Harrington

L.A. County Ag. Commissioner/W&M
Warren Dias

Lake County W&M
Shirley Stanford

Limosys LLC
Issac Yehuda

Louisiana Dept. of Ag.
Bobby Fletcher, Jr. Ph.D

Maize Kraize LLC
Jason Spiller

Mariposa County W&M
Gavin Iacono

Maryland Dept. of Ag.
Kassahun Belay
Robin Hawkins
Daniel Roge
Andrew Yi

Measurement Canada
Hugo Royer
Farhad Sharifi

Mississippi Dept. of Agriculture and Commerce
David Smith

Montana W&M
Phil Fingar

Neptune Technology Group, Inc.
Dave Garth

Nevada Division of Measurement Standards
Steven Terry

NRS
Eli Korn

PC Synergy, Inc.
Larry Shapiro

Pennsylvania Dept. of Ag: Bureau of Ride Safety
Richard Bristow
Christopher David

Performance Feeds LLC
Tony Ferguson

Rhode Island Division of Labor
Gary Gagne

Rice Lake Weighing Systems
Ann Crowley

Right Manufacturing Systems, Inc.
John Reese

Riverside County Agriculture Commissioner
Gabriel Gowman
Hugo Soto
Michele Tracy

RYCO
Ashis Vaidya

San Bernardino County W&M
Hamp Conners
Brady Gergovich

San Diego Dept. of Agriculture W&M
Marisela Garcia-Centeno

San Francisco Dept. of Health
Cree Morgan

San Luis Obispo Co. W&M
Evan Brownlee
Margherita Lebsack

Shinko Denshi Co., Ltd.
Tomoharu Oide
Steuben County
James Buchillon

Synergy Environmental
Robert May

Target Corporation
Sijo Joseph

Tennessee Dept. of Ag.
John Hayes

Tompkins Co. W&M
Stephen Wright

Total Meter Services Inc.
Rick Trotter

Tufner Weighing Systems
Kyle Schaffer

Tuolumne Co. W&M
Gary Stockel

USDA, GIPSA
Jess Dansossan
Jeffrey Vanfossan

Westechlabs
Richard Dalgleish

Tim Briggs

NTEP Column (cont.)

Misc. VCAP Information:

- To date the NTEP Specialist audited 14 companies totaling 17 locations
- Current audit backlog for the NTEP Specialist is 3 companies
- The NTEP Specialist will begin performing re-assessment audits (the 3-year cycle schedule) in mid-2018

We hope this article has helped answer some questions for affected NTEP Certificate Holders about conformity assessment. It is imperative that certificate holders pay attention. If you have additional questions or would like to discuss the content of this article, contact:

Jim Truex at jim.truex@ncwm.net or,
Darrell Flocken at darrell.flocken@ncwm.net

IT WORKS!

Electronic Voting System a Success



For the first time in the 112-year history of NCWM, delegates did not need to raise hands or placards to vote, then wait to be counted and wait even longer for the votes to be tallied and read from the podium. This was a result of successfully implemented a wireless keypad voting system at the 2017 NCWM Annual Meeting in Pittsburgh, Pennsylvania.

The previous method of using placards was time-consuming and, on close votes, sometimes resulted in recounts extending the session even longer. With the electronic system in place, the votes were completed in about 30 seconds with the results in full display for meeting attendees.

The 2017 NCWM Chairman Kristin Macey was very happy to see this system work so well in her year at the helm. "The old method was archaic, but it was also cherished by many members," she said. "But this voting system is incredibly efficient and aesthetically it adds an interesting flare to our meetings."

The 2-house voting system was a bit of a challenge for CLiKAPAD, the UK-based company that created the voting system. But they overcame and the result was a resounding success.

NCWM looks forward to using the electronic voting system at future meetings to continue streamlining the voting process and to help strengthen our progressive organization.

'17 - '18 NCWM Board of Directors

CHAIRMAN

James Cassidy

Director / Sealer of Weights and Measures
City of Cambridge, Massachusetts

CHAIR - ELECT

Brett Gurney

Utah State Department of Weights and Measures

NTEP COMMITTEE CHAIR

Kristin Macey

California Division of Measurement Standards

TREASURER

Raymond Johnson, Jr.

New Mexico Department of Agriculture

ACTIVE MEMBERSHIP - WESTERN

Mahesh Albuquerque

CDLE-Oil and Public Safety

ACTIVE MEMBERSHIP - SOUTHERN

Kenneth Ramsburg

Maryland Department of Agriculture

ACTIVE MEMBERSHIP - NORTHEASTERN

Steve Giguere

Maine Department of Agriculture

ACTIVE MEMBERSHIP - CENTRAL

Craig VanBuren

Michigan Department of Agriculture and Rural Development

AT-LARGE

Chuck Corr

Archer Daniels Midland Company

AT-LARGE

Julie Quinn

Director
Minnesota Department of Commerce

ASSOCIATE MEMBERSHIP

Christopher Guay

Procter and Gamble, Co.

NCWM EXECUTIVE DIRECTOR

Don Onwiler

National Conference on Weights and Measures

EXECUTIVE SECRETARY

Dr. Douglas Olson

NIST, Office of Weights and Measures

NTEP ADMINISTRATOR

Jim Truex

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Carl Cotton

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- Allow variations due to moisture loss
- Calculates SEL and Standard Deviation
- Dynamically calculates Rc/Rt for tare
- Calculates conversion factors for volume inspections
- Calculates Cost Error, Average Error, Average Cost Error % Error



Device Inspection

WinWam Device Inspection Software is designed to perform and record Handbook 44 inspections. WinWam Device Inspection Software supports all devices specified in Handbook 44 including but not limited to: scales, (apothecary, computing, livestock, shipping, vehicles, etc.) meters, LP Gas, LMD, linear devices, timing devices, etc. Whether acceptance or maintenance WinWam calculates tolerances for nearly all tests.

WinWam Device Inspection Software provides a comprehensive database of business establishments with a complete inventory of devices. Full detail inspection data allows management the ability to better measure economic impact of the W&M program.

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102nd NCWM Annual Meeting:

Award Recipients

The NCWM Contributions Award recognizes members who have made notable contributions to NCWM standards, policy, administrative support or other services deemed worthy of recognition. Recipients have been NCWM members for at least five years.

The 2017 recipients were:

DR. MATTHEW CURRAN - Florida

REBECCA RICHARDSON - MARC-IV Consulting

The NCWM Distinguished Service Award recognizes members who have made a long-term commitment of service and leadership to the NCWM. Recipients have made significant contributions to the enhancement of the organization as a whole through committee service, important contributions to standards development, served as a resource for knowledge and advanced the vision and mission of NCWM.

The 2017 recipients were:

TIM CHESSE - Arkansas

KURT FLOREN - Los Angeles County, California

GORDON JOHNSON - Gilbarco, Inc.

Committee Service Award

Brett Gurney (Board of Directors)
Raymond Johnson (Board of Directors)
Louis Sakin (L&R)
Stacy Carlsen (PDC)
Jane Zulkiewicz (S&T)

NCWM Chairman Award

Kristin Macey

NTEP Chairman Award

Jerry Buendel

Presiding Officers

Tim Chesser
Loren Minnich
Jack Walsh
Marc Paquette

Chaplain

Constantine Cotsoradis

Parliamentarian

Lou Straub

Sergeant-at-Arms

Chris Brenner
Ron Pierce

Associate Membership Committee

Chair – Richard Shipman
Vice-Chair – Bill Callaway
Secretary/Treasurer – Mark Flint

Nominating Committee

Chair – Jerry Buendel
Stephen Benjamin
Charles Carroll
Kurt Floren
John Gaccione
Joe Gomez

Credentials Committee

Chair – Matt Maiten

Attendance Award - 5 years

Luciano Burtini
Joanna Johnson
Jeri Kahana
Robert Legg
Matt Maiten
Marco Mares
Rachelle Miller
Joe Moreo
Louis Sakin
Richard Scali
Richard Shipman
Elisa Stritt
Stan Toy

Attendance Award - 10 years

John Albert
Chuck Corr
Fran Elson-Houston
Krister Hard af Segerstad
Jim Hewston
Dmitri Karimov
Julie Quinn
Craig VanBuren
Lisa Warfield

Attendance Award - 15 years

Cary Ainsworth
Jerry Buendel

Attendance Award - 20 years

Kurt Floren
Bob Murnane

Attendance Award - 25 years

Michael Keilty
Don Onwiler

Attendance Award - 30 years

Lou Straub
Richard Suiter

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2017 NCWM Lifetime Achievement Award

This year's **NCWM Lifetime Achievement Award** recipient was Ross Andersen, Retired, New York. Andersen has a Bachelor of Science of Chemistry. During his career, he received Basic, Intermediate and Advanced Metrology training from NIST. He has served his state as a food chemist, weights and measures inspector, Senior Biochemist for the state Department of Health, then back to the Ag Department as Lab Metrologist, later advancing to Assistant Director of Weights and Measures and then Director of Weights and Measures through his final years of service to the state.

He attended his first NCWM meeting in 1978 followed by an incredible service record to the organization including:

- Resolutions Committee
- Specifications & Tolerances Committee
- Laws & Regulations Committee
- Professional Development Committee
- NTEP Weighing Sector
- NTEP Measuring Sector
- Task Force on Prevention of Fraud
- Executive Committee
- Work Group on the original Mutual Acceptance Arrangement with Measurement Canada
- Board of Directors
- Chairman of the Board
- NTEP Committee Chairman, and
- Corresponding member of the NIST U.S. National Working Group on Taximeters

Additionally, he represented NCWM as;

- Delegate to the OIML subcommittee work on R 76 in 1987
- Delegate to OIML in London in 2000
- Delegate to APLMF in Saigon in 2001, and
- Delegate to CIML-APLMF in Kyoto in 2002

Over these many years, we have certainly benefitted from this man's leadership and wisdom. He has worn many hats, including his favorite "Lawyer Daggett hat" when he makes comments from the floor. On occasion, he will caution against counting the angels on the heads of pins when we need to pull back and refocus. His colorful and gentle words have helped guide us to proper decisions on countless topics.

He is a professional, a scholar, a gentleman and a friend to us all and we are blessed that he has continued contributing in very meaningful ways even now in his retirement.

We congratulate **Mr. Ross Andersen** as the 2017 NCWM Lifetime Achievement Award recipient.



Chairman Kristin Macey, Ross Andersen, and Dr. Kent Rochford (NIST)



Ross Andersen and his wife Carole

Voting Record for the 102nd NCWM Annual Meeting

July 16 - 20, 2017 | Pittsburgh, Pennsylvania

Item	House of State Representatives	House of Delegates	Result
Board of Directors			
1200-5	Voice Vote		Adopted
1200-6 To hear the amendment	Voice Vote		Amendment was heard
1200-6 To amend	Voice Vote		Adopted
1200-6 as amended	Voice Vote		Adopted
To Accept the Report	Voice Vote		Adopted
Laws & Regulations Committee			
Consent Calendar: 2302-8, 2302-9, 2307-1, 2500-1	Yea: 37 Nay: 0	Yea: 61 Nay: 0	Adopted
2302-1	Yea: 15 Nay: 21	Yea: 31 Nay: 30	Returned to Committee
2302-2	Yea: 30 Nay: 6	Yea: 52 Nay: 9	Adopted
2302-6	Yea: 33 Nay: 5	Yea: 51 Nay: 8	Adopted
2302-7	No Vote		Status changed to Informational
2307-2	No Vote		Status changed to Informational
2600-1	Yea: 29 Nay: 7	Yea: 44 Nay: 14	Adopted
2600-4	Yea: 37 Nay: 0	Yea: 57 Nay: 1	Adopted
To Accept the Report	Voice Vote		Adopted
Specifications & Tolerances Committee			
Consent Calendar: 3300-1, 3301-1, 3301-3, 3302-3, 3305-1, 3306-1, 3307-1, 3508-1	Yea: 38 Nay: 0	Yea: 57 Nay: 2	Adopted
3200-1	Yea: 22 Nay: 14	Yea: 33 Nay: 27	Returned to Committee
3200-2	Yea: 35 Nay: 0	Yea: 61 Nay: 1	Adopted
3200-3	Yea: 26 Nay: 11	Yea: 48 Nay: 13	Returned to Committee
*3504-1	Yea: 36 Nay: 0	Yea: 57 Nay: 4	Adopted
3504-2	Yea: 36 Nay: 0	Yea: 54 Nay: 8	Adopted
*3600-6	Yea: 36 Nay: 0	Yea: 57 Nay: 4	Adopted
To Accept the Report	Voice Vote		Adopted



National Conference on Weights and Measures

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

Event Calendar

Be sure to mark your calendar for all the upcoming NCWM, NIST and regional meetings.

September 2017

WWMA Annual Meeting

Scottsdale, Arizona
September 24 - 28

October 2017

NTEP Measuring Meeting

Houston, Texas
October 3 - 4

SWMA Annual Meeting

North Little Rock, Arkansas
October 8 - 11

CWMA Interim Meeting

St. Charles, Missouri
October 16 - 18

NEWMA Interim Meeting

Portland, Maine
October 24 - 26

January 2018

NCWM Interim Meeting

St. Pete Beach, Florida
January 21 - 24

April 2018

NTEP Labs Meeting

Gatineau, Quebec
April 3 - 5

May 2018

NEWMA Annual Meeting

Saratoga Springs, New York
May 7 - 10

CWMA Annual Meeting

Springfield, Illinois
May 21 - 24

*Further meeting details will be announced closer to the meeting dates at www.ncwm.net/meetings.