

**N C W M
PUBLICATION**

15

**I N T E R I M
MEETING AGENDA**

St. Pete Beach, Florida / January 21-24, 2018

Prepared in Cooperation with the National Conference on Weights and Measures, National Type Evaluation Program, National Institute of Standards and Technology Office of Weights and Measures, Central Weights and Measures Association, Northeastern Weights and Measures Association, Southern Weights and Measures Association and Western Weights and Measures Association



National Conference on Weights and Measures Overview

National Conference on Weights and Measures (NCWM), Inc. is a standards development organization for weights and measures regulatory agencies of the states, counties, and cities of the United States, as well as for federal agency use. The Interim Meeting brings together government officials and representatives of business, industry, trade associations, and consumer organizations for the purpose of hearing and discussing subjects that relate to the field of weights and measures technology and administration.

The programs of NCWM and its Committees explore the broad area of this economically important segment of governmental regulatory service. NCWM develops and recommends laws and regulations, technical codes for weighing and measuring devices used in commerce, test methods, enforcement procedures, and administrative guidelines for adoption by regulatory agencies in the interest of promoting uniformity of requirements and methods among state and local jurisdictions.

A major objective of NCWM is to foster understanding and cooperation among weights and measures officials and all industrial, business, and consumer interests. NCWM has been cited on numerous occasions for its outstanding success. The National Institute of Standards and Technology (NIST) have statutory responsibility for “cooperation with the states in securing uniformity of weights and measures laws and methods of inspection.” Opinions expressed in submitted documents are those of the authors and not necessarily those of NCWM. Contributors are solely responsible for the content and quality of their material.

Back to the Basics as we arrive in the Cloud

James Cassidy, Chairman
City of Cambridge, Massachusetts



Dear NCWM Members,

Welcome to St. Pete Beach Florida, located on the peninsula between Tampa Bay and the Gulf of Mexico. This is the location of the NCWM Interim Meeting on January 21-24, 2018, at the Sirata Beach Resort & Conference Center. This area has a lot to offer, from the museum lovers or the folks who just enjoy a beautiful beach. And when we aren't hard at work, we might find time to explore ourselves.

If you are new to the NCWM process, let me give you a brief overview. We will be reviewing proposed changes to Handbook 44 on Specifications Tolerances for Weighing and Measuring Devices, Handbook 130 on Model Laws and Regulations, as well as fuels and other items. The fall process started at the four regional meetings that took place in September and October. This is when we began the proposed changing process. At this interim meeting, each of our standing committees will bring forward these items in opening hearings. This is the point where members will have a chance to explain their points of view on these items to the conference. After the hearings, the committees will decide on the status of the item and the next step in the process. This is just a sample of the meeting agenda for the week.

I am honored to be the inaugural chair of our newest Task Group on Cannabis, which will meet on Sunday from 1:00 to 3:30 in the afternoon. Some of the topics we plan to cover are commercial scales, required equipment, package and labeling, and inspector safety. This will be a great session, so don't miss it!

Our week will end on Wednesday with our technical session. With the increase of credit card fraud around the country, the State of Florida and its agencies have offered a session on skimmers. We will finish the afternoon with multiple groups visiting service stations across the area. We will receive hands-on training that will aid us in looking for these devices. I hope after this session you will feel more confident in your abilities to find and solve this problem in our marketplace. We all must work together to remove these devices from the marketplace.

These are just a few of the events scheduled on our great agenda. I hope to see and welcome you all in beautiful St. Pete Beach, FL. Safe travels!

Sincerely,

A handwritten signature in black ink that reads "James P. Cassidy Jr." in a cursive script.

James Cassidy
NCWM Chairman

Table of Contents

| Title of Item | Page |
|---|---------------------|
| Schedule of Events | iii |
| Organization Chart | vii |
| Past Chairmen | xix |
| General Information | GEN – 01 |
| Purpose | GEN – 01 |
| First Time Attendees..... | GEN – 01 |
| Agenda | GEN – 01 |
| Written Comments or Oral Statements | GEN – 02 |
| Joint Meetings for All Committees | GEN – 02 |
| Participation | GEN – 02 |
| Reports | GEN – 02 |
| Annual Meeting | GEN – 03 |
| Units of Measurement..... | GEN – 03 |
| Board of Directors | BOD – 01 |
| Laws and Regulations Committee | L&R – 01 |
| Specifications and Tolerances Committee | S&T – 01 |
| Professional Development Committee | PDC – 01 |
| National Type Evaluation Program Committee | NTEP – 01 |

Schedule of Events

(The schedule of events is tentative and subject to change.)

**Committee hearings will occur in the order presented below. Times of each hearing are not firm; when one Committee finishes, the next Committee will begin.*

| Friday, January 19, 2018 | | Room | Floor |
|-----------------------------------|---|--|-----------------|
| 8:30 a.m. – 5:00 p.m. | NCWM Board of Directors Meeting | Royal Palm: | 8 th |
| Saturday, January 20, 2018 | | Room | Floor |
| 8:30 a.m. – 5:00 p.m. | NCWM Board of Directors Meeting | Royal Palm: | 8 th |
| Sunday, January 21, 2018 | | Room | Floor |
| 8:30 a.m. – 9:00 a.m. | Coffee Service | Majestic Foyer: | 2 nd |
| 8:30 a.m. – 5:00 p.m. | Registration and Exhibits | Majestic Foyer: | 2 nd |
| 8:00 a.m. – 11:30 a.m. | Meter Manufacturer Association | Mediterranean Palm: | 2 nd |
| 9:00 a.m. – 11:30 a.m. | Board of Directors Meeting | Royal Palm: | 8 th |
| 9:00 a.m. – 11:30 a.m. | Charter Team | Date Palm/Blue Palm: | 3 rd |
| 9:00 a.m. – 11:30 a.m. | Safety Task Group | Sabal-Canary Palm: | 3 rd |
| 11:30 p.m. – 1:00 p.m. | Lunch on Your Own | | |
| 1:00 p.m. – 3:30 p.m. | Fuels and Lubricants Subcommittee | Mediterranean Palm: | 2 nd |
| 1:00 p.m. – 3:30 p.m. | Packaging and Labeling Subcommittee | Date Palm/Blue Palm: | 3 rd |
| 1:00 p.m. – 3:30 p.m. | Weigh-in Motion Task Group | Sabal-Canary Palm: | 3 rd |
| 1:00 p.m. – 3:30 p.m. | Cannabis Task Group | Royal Palm: | 8 th |
| 3:30 p.m. – 4:00 p.m. | Joint Committee Meeting | Majestic Palm: | 2 nd |
| 4:00 p.m. – 5:00 p.m. | Agenda Review | | |
| | Laws and Regulations Committee | Mediterranean Palm: | 2 nd |
| | Specifications and Tolerances Committee | Date Palm/Blue Palm: | 3 rd |
| | Professional Development Committee | Sabal-Canary Palm: | 3 rd |
| | Board of Directors / NTEP Committee | Royal Palm: | 8 th |
| 5:30 p.m. – 7:00 p.m. | Chairman's Reception | Coconut Palm Pavilion: | Main |
| | | <i>(Royal Palm on 8th Floor if Raining)</i> | |

2018 Interim Schedule of Events

| Monday, January 22, 2018 | | Room | Floor |
|----------------------------------|--|--|--|
| 7:30 a.m. – 9:00 a.m. | Light Breakfast | Majestic Foyer: | 2 nd |
| 7:30 a.m. – 5:00 p.m. | Registration and Exhibits | Majestic Foyer: | 2 nd |
| 8:00 a.m. – 5:00 p.m. | Nominating Committee | | |
| 8:30 a.m. – 12:00 p.m. | Official Session – Open Hearings Laws and Regulations Committee Specifications and Tolerances Committee Professional Development Committee Board of Directors NTEP Committee | Majestic Palm: | 2 nd |
| 12:00 p.m. – 1:00 p.m. | Lunch on Your Own | | |
| 1:00 p.m. – 5:00 p.m. | Official Session – Open Hearings Continued | Majestic Palm: | 2 nd |
| Tuesday, January 23, 2018 | | Room | Floor |
| 7:30 a.m. – 9:00 a.m. | Light Breakfast | Majestic Foyer: | 2 nd |
| 7:30 a.m. – 5:00 p.m. | Registration and Exhibits | Majestic Foyer: | 2 nd |
| 8:30 a.m. – 12:00 p.m. | Official Session – Open Hearings Continued | Majestic Palm: | 2 nd |
| 12:00 p.m. – 1:00 p.m. | Lunch on Your Own | | |
| 1:00 p.m. – 5:00 p.m. | Committee Work Sessions Laws and Regulations Committee Specifications and Tolerances Committee Professional Development Committee Board of Directors / NTEP Committee | Mediterranean Palm: Date Palm/Blue Palm: Sabal-Canary Palm: Royal Palm: | 2 nd 3 rd 3 rd 8 th |
| 5:00 p.m. – 6:00 p.m. | Associate Membership Committee | Majestic Palm: | 2 nd |

| Wednesday, January 24, 2018 | | Room | Floor |
|------------------------------------|--|-----------------|-----------------|
| 7:30 a.m. – 9:00 a.m. | Light Breakfast | Majestic Foyer: | 2 nd |
| 7:30 a.m. – 12:00 p.m. | Registration and Exhibits | Majestic Foyer: | 2 nd |
| 9:00 a.m. – 10:45 a.m. | Technical Session: Credit Card Skimmer Enforcement | Majestic Palm: | 2 nd |
| 11:00 a.m. – 12:00 p.m. | Joint Committee Meeting | Majestic Palm: | 2 nd |
| 12:00 p.m. – 1:00 p.m. | Lunch on Your Own | | |
| 1:00 p.m. – 4:00 p.m. | Field Trip on Credit Card Enforcement | | |

Organization Chart

| NCWM Board of Directors | | | |
|--|--------------------|--------------------------------------|------------------|
| Office | Name | Affiliation | Term Ends |
| Chairman | James Cassidy | Massachusetts | 2018 |
| Chairman-Elect | Brett Gurney | Utah | 2018 |
| Immediate Past Chair | Kristin Macey | California | 2018 |
| Treasurer | Raymond Johnson | New Mexico | 2020 |
| Active Membership – Western | Mahesh Albuquerque | Colorado | 2022 |
| Active Membership – Southern | Kenneth Ramsburg | Maryland | 2018 |
| Active Membership – Northeastern | Jack Walsh | Town of Wellesley, Massachusetts | 2019 |
| Active Membership – Central | Craig VanBuren | Michigan | 2020 |
| At-Large | Chuck Corr | Archer Daniels Midland Company | 2018 |
| At-Large | Julie Quinn | Minnesota | 2021 |
| Associate Membership Representative | Christopher Guay | Procter and Gamble, Co. | 2019 |
| Honorary NCWM President | Dr. Kent Rochford | Acting NIST Director | NA |
| Executive Director | Don Onwiler | NCWM | NA |
| Executive Secretary | Dr. Douglas Olson | NIST, Office of Weights and Measures | NA |
| NTEP Administrator | Jim Truex | NCWM | NA |
| Measurement Canada Advisor | Carl Cotton | Measurement Canada | NA |
| National Type Evaluation Program Committee (NTEP) | | | |
| Office | Name | Affiliation | Term Ends |
| Committee Chair | Kristin Macey | California | 2018 |
| Upcoming Committee Chair | James Cassidy | City of Cambridge, Massachusetts | 2019 |
| Upcoming Committee Chair | Brett Gurney | Utah | 2020 |
| SWMA Representative | Kenneth Ramsburg | Maryland | 2018 |
| CWMA Representative | Craig VanBuren | Michigan | 2020 |
| NTEP Administrator | Jim Truex | NCWM | NA |
| Finance Committee | | | |
| Office | Name | Affiliation | Term Ends |
| Committee Chair | Brett Gurney | Utah | 2018 |
| Nominated Chair-Elect | TBD | | 2018 |
| Treasurer | Raymond Johnson | New Mexico | 2018 |
| Associate Membership Representative | Christopher Guay | Procter and Gamble, Co. | 2018 |
| Executive Director | Don Onwiler | NCWM | NA |

Organization Chart

| Laws and Regulations Committee (L&R) | | | |
|--|--------------------|--------------------------------------|------------------|
| Office | Name | Affiliation | Term Ends |
| Committee Chair | Ethan Bogren | Westchester County, New York | 2020 |
| Member | John Albert | Missouri | 2018 |
| Member | Michelle Wilson | Arizona | 2019 |
| Member | Hal Prince | Florida | 2021 |
| Member | John McGuire | New Jersey | 2022 |
| Associate Membership Representative | Rebecca Richardson | MARC – IV Consulting | 2018 |
| Canadian Technical Advisor | Lance Robertson | Measurement Canada | NA |
| NIST Technical Advisor | David Sefcik | NIST, Office of Weights and Measures | NA |
| NIST Technical Advisor | Lisa Warfield | NIST, Office of Weights and Measures | NA |
| Professional Development Committee (PDC) | | | |
| Office | Name | Affiliation | Term Ends |
| Committee Chair | Lori Jacobson | South Dakota | 2018 |
| Member | Gene Robertson | Mississippi | 2019 |
| Member | Marc Paquette | Vermont | 2020 |
| Member | Marco Mares | San Diego County, California | 2021 |
| Member | Jean Kliethermes | Missouri | 2022 |
| Associate Membership Representative | Richard Shipman | Rice Lake Weighing Systems, Inc. | 2018 |
| Safety Liaison | Julie Quinn | Minnesota | NA |
| NIST Liaison | Tina Butcher | NIST, Office of Weights and Measures | NA |
| Certification Coordinator | Ross Andersen | Retired | NA |
| Specifications and Tolerances Committee (S&T) | | | |
| Office | Name | Affiliation | Term Ends |
| Committee Chair | Ivan Hankins | Iowa | 2019 |
| Member | Tim Chesser | Arkansas | 2018 |
| Member | Rachelle Miller | Wisconsin | 2020 |
| Member | Josh Nelson | Oregon | 2021 |
| Member | Brad Bachelder | Maine | 2022 |
| Canadian Technical Advisor | Luciano Burtini | Measurement Canada | NA |
| NIST Technical Advisor | TBD | NIST, Office of Weights and Measures | NA |
| NIST Technical Advisor | Rick Harshman | NIST, Office of Weights and Measures | NA |
| NTEP Technical Advisor | Darrell Flocken | NCWM | NA |

Organization Chart

| Nominating Committee | | | |
|---------------------------------------|------------------------|---|------------------|
| Office | Name | Affiliation | Term Ends |
| Committee Chair | Kristin Macey | California | 2018 |
| Member | Stephen Benjamin | North Carolina | 2018 |
| Member | Mark Coyne | City of Brockton, Massachusetts | 2018 |
| Member | Frank Greene | Connecticut | 2018 |
| Member | Ivan Hankins | Iowa | 2018 |
| Member | Richard Lewis | Georgia | 2018 |
| Member | Hal Prince | Florida | 2018 |
| Credentials Committee | | | |
| Office | Name | Affiliation | Term Ends |
| Committee Chair | Lori Jacobson | South Dakota | 2018 |
| Member | Elaine Vieira | Massachusetts | 2019 |
| Member | David Aguayo | County of San Luis Obispo, California | 2020 |
| Coordinator | Darrell Flocken | NCWM | NA |
| Appointive Officials | | | |
| Office | Name | Affiliation | Term Ends |
| Chaplain | Constantine Cotsoradis | Flint Hills Resources | 2018 |
| Parliamentarian | Louis Straub | Fairbanks Scale, Inc. | 2018 |
| Presiding Officer | Tim Chesser | Arkansas | 2018 |
| Presiding Officer | Loren Minnich | Kansas | 2018 |
| Presiding Officer | TBD | | 2018 |
| Presiding Officer | Jack Walsh | Town of Wellesley, Massachusetts | 2018 |
| Sergeant-at-Arms | TBD | | 2018 |
| Sergeant-at-Arms | TBD | | 2018 |
| Associate Membership Committee | | | |
| Office | Name | Affiliation | Term Ends |
| Committee Chair | Bill Callaway | Crompco | 2018 |
| Vice-Chair | Mark Flint | ADM | 2018 |
| Secretary / Treasurer | Bob Wiese | Northwest Tank and Environmental Services | 2018 |
| Member | David Calix | NCR Corporation | 2018 |
| Member | Bill Callaway | Crompco | 2018 |
| Member | Robert Murnane, Jr. | Seraphin Test Measure | 2018 |
| Member | Richard Shipman | Rice Lake Weighing Systems, Inc. | 2020 |
| Member | Christopher Guay | Procter and Gamble, Co. | 2020 |
| Member | Mark Flint | ADM | 2020 |
| Member | Rebecca Richardson | MARC – IV Consulting | 2020 |
| Member | Prentiss Searles | American Petroleum Institute | 2022 |
| Member | Bob Wiese | Northwest Tank and Environmental Services | 2022 |

Organization Chart

| Fuels and Lubricants Subcommittee | | |
|--|--------------------|---|
| Office | Name | Affiliation |
| Committee Chair | Bill Striejewski | Nevada |
| Vice-Chair | Ronald Hayes | Missouri |
| Vice-Chair | Randy Jennings | Tennessee |
| Secretary | Kevin Ferrick | American Petroleum Institute |
| Vice-Secretary | Rebecca Richardson | MARC – IV Consulting |
| NIST Technical Advisor | David Sefcik | NIST, Office of Weights and Measures |
| NIST Technical Advisor | Lisa Warfield | NIST, Office of Weights and Measures |
| Advisory Member | Curtis Williams | Retired |
| Public Sector Member | Mahesh Albuquerque | Colorado |
| Public Sector Member | David Au | Georgia |
| Public Sector Member | Vanessa Benchea | Florida |
| Public Sector Member | Stephen Benjamin | North Carolina |
| Public Sector Member | Tim Elliott | Washington |
| Public Sector Member | Mike Harrington | Iowa |
| Public Sector Member | Lori Jacobson | South Dakota |
| Public Sector Member | Kristin Macey | California |
| Public Sector Member | Allan Morrison | California |
| Public Sector Member | Doug Rathbun | Illinois |
| Public Sector Member | Brenda Sharkey | South Dakota |
| Public Sector Member | Charles Stutesman | Kansas |
| Public Sector Member | Timothy White | Michigan |
| Public Sector Member | Michelle Wilson | Arizona |
| Private Sector Member | Holly Alfano | Independent Lubricant Manufacturers Association |
| Private Sector Member | Matt Bjornson | Bjornson Oil Company |
| Private Sector Member | Bill Cannella | Chevron Global Downstream, LLC |
| Private Sector Member | Chuck Corr | Archer Daniels Midland Company |
| Private Sector Member | Davis Cosey | Davis Oil Company |
| Private Sector Member | Kelly Davis | Renewable Fuels Association |
| Private Sector Member | Ed Dougherty | Sunoco LP |
| Private Sector Member | Scott Fenwick | National Biodiesel Board |
| Private Sector Member | David Flalkov | NATSO |
| Private Sector Member | Rick Fragnito | Shell |
| Private Sector Member | Philip Guillemette | Flint Hills Resources, LP |
| Private Sector Member | John Harkins | Sunoco Logistics |
| Private Sector Member | Marilyn Herman | Herman and Associates |
| Private Sector Member | Cal Hodge | A 2nd Opinion, Inc. |
| Private Sector Member | Joanna Johnson | Automotive Oil Exchange Association |
| Private Sector Member | Brian Kernke | Loves Travel Stops |
| Private Sector Member | Stephen Kirby | General Motors |
| Private Sector Member | David A. Kovach | BP Products |

Organization Chart

| | | |
|-----------------------|---------------------|--|
| Private Sector Member | Mike Kunselman | Center for Quality Assurance |
| Private Sector Member | Jeffrey Leiter | Bassman, Mitchell, Alfano & Leiter Chtd. |
| Private Sector Member | Russ Lewis | Marathon Petroleum, LLC |
| Private Sector Member | Michael Lynch | ExxonMobil Corporation |
| Private Sector Member | Scott Mason | Phillips 66 |
| Private Sector Member | John Maynes | PMCI |
| Private Sector Member | Beverly Michels | BP Products |
| Private Sector Member | Kristi Moore | KMoore Consulting, LLC |
| Private Sector Member | Manuch Nikanjam | Chevron Global Downstream, LLC |
| Private Sector Member | Brian Parnell | Mapco Express |
| Private Sector Member | Keith Penn | Colonial Pipeline Company |
| Private Sector Member | Derek Regal | Tesoro Companies, Inc. |
| Private Sector Member | Prentiss Searles | American Petroleum Institute |
| Private Sector Member | Jenny Sigelko | Volkswagen Group of America |
| Private Sector Member | Dr. Prasad Tumati | Haltermann Solutions |
| Private Sector Member | Rob Underwood | Petroleum Marketers Association of America |
| Private Sector Member | Marie Valentine | Toyota - TEMA - TTC |
| Private Sector Member | Steve Vander Griend | ICM, Inc. |

Packaging and Labeling Subcommittee

| Office | Name | Affiliation |
|------------------------------|---------------------------|---|
| Committee Chair | Christopher Guay | Procter and Gamble, Co. |
| NIST Technical Advisor | David Sefcik | NIST, Office of Weights and Measures |
| Public Sector – Central | Nicholas Owens | Stark County Weights and Measures, Ohio |
| Public Sector – Northeastern | Frank Greene | Connecticut |
| Public Sector – Southern | Hal Prince | Florida |
| Public Sector – Western | Angela Godwin | County of Ventura, California |
| Private Sector Member | Ann Boeckman | Kraft Food Group, Inc. |
| Private Sector Member | Krister Hard af Segerstad | IKEA North America Services, LLC |
| Private Sector Member | Zina Juroch | Pier 1 Imports |

Promotional Tool Kit Task Group

| Office | Name | Affiliation |
|-----------------------|------------------|----------------------------------|
| Chair | Stephen Benjamin | North Carolina |
| Public Sector Member | Jerry Buendel | Washington |
| Public Sector Member | Kurt Floren | Los Angeles County, California |
| Private Sector Member | Bill Callaway | Crompco |
| Private Sector Member | John Hughes | Rice Lake Weighing Systems, Inc. |

Organization Chart

| Safety Task Group | | |
|-----------------------------------|------------------|---|
| Office | Name | Affiliation |
| Chair | Julie Quinn | Minnesota |
| Public Sector Member | Jason Flint | New Jersey |
| Public Sector Member | Georgia Harris | NIST, Office of Weights and Measures |
| Public Sector Member | Elizabeth Koncki | Maryland |
| Public Sector Member | Matt Maiten | Santa Barbara County, California |
| Public Sector Member | Brenda Sharkey | South Dakota |
| Public Sector Member | Mike Sikula | New York |
| Private Sector Member | Tisha Arriaga | Marathon Petroleum, LLC |
| Private Sector Member | Bill Callaway | Crompco |
| Private Sector Member | Remy Cano | Northwest Tank and Environmental Services, Inc. |
| Private Sector Member | Brad Fryburger | Rinstrum, Inc. |
| Private Sector Member | Robert LaGasse | Mulch and Soil Council |
| Private Sector Member | John Lawn | Rinstrum, Inc. |
| Private Sector Member | Richard Shipman | Rice Lake Weighing Systems, Inc. |
| Weigh-In-Motion Task Group | | |
| Office | Name | Affiliation |
| Co-Chair | Tim Chesser | Arkansas |
| Co-Chair | Alan Walker | Florida |
| NTEP Technical Advisor | Darrell Flocken | NCWM |
| NIST Technical Advisor | Rick Harshman | NIST, Office of Weights and Measures |
| Public Sector Member | John Barton | NIST, Office of Weights and Measures |
| Public Sector Member | Jason Flint | New Jersey |
| Public Sector Member | Greg Gholston | Mississippi |
| Public Sector Member | Lenny Goebel | Illinois |
| Public Sector Member | John McGuire | New Jersey |
| Public Sector Member | Jason Smith | South Dakota |
| Private Sector Member | Jon Arnold | Intercomp Company |
| Private Sector Member | Tim Broemmer | Rice Lake Weighing Systems, Inc. |
| Private Sector Member | Scott Davidson | Mettler-Toledo, LLC |
| Private Sector Member | James Faas | YRC Freight |
| Private Sector Member | Brad Fryburger | Rinstrum, Inc. |
| Private Sector Member | Eric Golden | Cardinal Scale Manufacturing, Co. |
| Private Sector Member | Joe Grell | Rice Lake Weighing Systems, Inc. |
| Private Sector Member | Randy Hanson | International Road Dynamics |
| Private Sector Member | John Lawn | Rinstrum, Inc. |
| Private Sector Member | Joe Rickey | Rinstrum, Inc. |
| Private Sector Member | Louis Straub | Fairbanks Scale, Inc. |
| Private Sector Member | Richard Suiter | Richard Suiter Consulting |
| Private Sector Member | Brian Taylor | Intelligent Imaging Systems |
| Private Sector Member | Russ Vires | Mettler-Toledo, LLC |

Organization Chart

| | | |
|----------------------------|-----------------------|--|
| Private Sector Member | Sam Wimsett | Cardinal Scale Manufacturing, Co. |
| Private Sector Member | Matt Young | Intercomp Company |
| Cannabis Task Group | | |
| Office | Name | Affiliation |
| Chair | James Cassidy | City of Cambridge, Massachusetts |
| Public Sector Member | Brad Bachelder | Maine |
| Public Sector Member | Loren Kipp Blauer | Nevada |
| Public Sector Member | Jerry Buendel | Washington |
| Public Sector Member | Tim Chesser | Arkansas |
| Public Sector Member | Mark Ciociolo | City of Worcester, Massachusetts |
| Public Sector Member | Fran Elson-Houston | Ohio |
| Public Sector Member | Jason Flint | New Jersey |
| Public Sector Member | Kurt Floren | Los Angeles County, California |
| Public Sector Member | Paul Floyd | Louisiana |
| Public Sector Member | Mike Gower | Nevada |
| Public Sector Member | Gabriel Gowman | Riverside County, California |
| Public Sector Member | Kevin Grosskreutz | City of Appleton, Wisconsin |
| Public Sector Member | Mike Harrington | Iowa |
| Public Sector Member | Steven Harrington | Oregon |
| Public Sector Member | Maria del Carmen Kern | San Francisco County, California |
| Public Sector Member | Kristin Macey | California |
| Public Sector Member | Mike Mann | Washington |
| Public Sector Member | Mauricio Mejia | Florida |
| Public Sector Member | Cree Morgan | San Francisco, California |
| Public Sector Member | Randall Morrison | Erie County, New York |
| Public Sector Member | Doug Musick | Kansas |
| Public Sector Member | Angel Nazario | City of Boston, Massachusetts |
| Public Sector Member | Josh Nelson | Oregon |
| Public Sector Member | Laurence Nolan | Los Angeles County, California (Retired) |
| Public Sector Member | Kenneth Ramsburg | Maryland |
| Public Sector Member | Hugo Soto | Riverside County, California |
| Public Sector Member | Dedrick Stephens | City of Cleveland, Ohio |
| Public Sector Member | Ron Valinski | City of Worcester, Massachusetts |
| Public Sector Member | Elaine Vieira | City of Boston, Massachusetts |
| Public Sector Member | John Young | Yolo County, California |
| Private Sector Member | Richard Guild | The Scale People, Inc. |

Organization Chart

| Multiple Dimension Measuring Device Work Group | | |
|---|---------------------|--|
| Office | Name | Affiliation |
| Chair | Robert Kennington | Quantronix, Inc. |
| NTEP Administrator | Jim Truex | NCWM |
| NTEP Specialist | Darrell Flocken | NCWM |
| Technical Advisor | Rick Harshman | NIST, Office of Weights and Measures |
| Public Sector Member | Tom Buck | Ohio |
| Public Sector Member | Fran Elson-Houston | Ohio |
| Public Sector Member | Pascal Turgeon | Measurement Canada, Policy/Regulations Group |
| Private Sector Member | Sprague Ackley | Honeywell |
| Private Sector Member | Bill Danderand | FedEx Freight |
| Private Sector Member | Scott Davidson | Mettler-Toledo, LLC |
| Private Sector Member | Michael Eichenberg | FreightSnap, LLC |
| Private Sector Member | Matthew Erim | National Motor Freight Traffic Association |
| Private Sector Member | Scott Henry | Zebra Technologies |
| Private Sector Member | Uwe Mohr | Vitronic |
| Private Sector Member | Scott Murchison | Zebra Technologies |
| Private Sector Member | Don Newell | National Motor Freight Traffic Association |
| Private Sector Member | Sameer Parmar | SICK, Inc. |
| Private Sector Member | Weston Privett | XPO LTL |
| Private Sector Member | Tony Romeo | Datalogic |
| Private Sector Member | Christopher Senneff | Rice Lake Weighing Systems, Inc. |
| Private Sector Member | Richard Shipman | Rice Lake Weighing Systems, Inc. |
| Private Sector Member | Mike Stutler | United Parcel Service |
| Private Sector Member | Richard Suiter | Richard Suiter Consulting |
| Private Sector Member | Russ Vires | Mettler-Toledo, LLC |
| Private Sector Member | Scott Wigginton | United Parcel Service |
| NTEP EVSE Work Group | | |
| Office | Name | Affiliation |
| Chair | Andrei Moldoveanu | NEMA |
| NTEP Administrator | Jim Truex | NCWM |
| Technical Advisor | Juana Williams | NIST, Office of Weights and Measures |
| Public Sector Member | Andrei Brezoica | California |
| Public Sector Member | Tom Buck | Ohio |
| Public Sector Member | Joseph Eccleston | Maryland |
| Public Sector Member | Allen Katalinic | North Carolina |
| Private Sector Member | Ted Bohn | ANL |
| Private Sector Member | Harry Haas | Siemens Industry, Inc. |
| Private Sector Member | Bill Hardy | Power Measurements, LLC |
| Private Sector Member | Dave Parmelee | Control Module, Inc. |

| NTEP Belt-Conveyor Scale Sector | | |
|--|-----------------------|--|
| Office | Name | Affiliation |
| Chair | Peter Sirico | Thayer Scale / Hyer Industries |
| NTEP Administrator | Jim Truex | NCWM |
| NTEP Specialist | Darrell Flocken | NCWM |
| Technical Advisor | John Barton | NIST, Office of Weights and Measures |
| Public Sector Member | Tina Butcher | NIST, Office of Weights and Measures |
| Public Sector Member | Zacharias Tripoulas | Maryland |
| Private Sector Member | Jason Kukachka | Thermo Fisher Scientific |
| NTEP Grain Analyzer Sector | | |
| Office | Name | Affiliation |
| Chair | Karl Cunningham | Illinois |
| NTEP Administrator | Jim Truex | NCWM |
| NTEP Specialist | Darrell Flocken | NCWM |
| Technical Advisor | G. Diane Lee | NIST, Office of Weights and Measures |
| Advisory Member | Cassie Eigenmann | Retired |
| Public Sector Member | Randy Burns | Arkansas |
| Public Sector Member | Tina Butcher | NIST, Office of Weights and Measures |
| Public Sector Member | Ivan Hankins | Iowa |
| Public Sector Member | Thomas Hughes | Missouri |
| Public Sector Member | Jason Jordan | USDA, GIPSA, Technical Services Division |
| Private Sector Member | Jeffrey Adkisson | Grain and Feed Association of Illinois |
| Private Sector Member | Rachel Beiswenger | TSI Incorporated |
| Private Sector Member | Martin Clements | The Steinlite Corporation |
| Private Sector Member | Kathy Conover | DICKEY-john Corporation |
| Private Sector Member | Andrew Gell | Foss North America |
| Private Sector Member | Charles Hurburgh, Jr. | Iowa State University |
| Private Sector Member | Jess McCluer | National Grain and Feed Association |
| Private Sector Member | Thomas Runyon | Seedburo Equipment Co. |

Organization Chart

| NTEP Measuring Sector | | |
|------------------------------|---------------------------|--|
| Office | Name | Affiliation |
| Chair | Michael Keilty | Endress + Hauser Flowtec AG, USA |
| NTEP Administrator | Jim Truex | NCWM |
| NTEP Specialist | Darrell Flocken | NCWM |
| Technical Advisor | Clark Cooney | California Division of Measurement Standards |
| Public Sector Member | Luciano Burtini | Measurement Canada |
| Public Sector Member | Tina Butcher | NIST, Office of Weights and Measures |
| Public Sector Member | Joe Eccleston | Maryland |
| Public Sector Member | Allen Katalinic | North Carolina |
| Public Sector Member | John Roach | California |
| Private Sector Member | Steve Bar | Bennett Pump Company |
| Private Sector Member | Marc Buttler | Emerson Process Management / Micro Motion |
| Private Sector Member | Craig Cavanaugh | Tuthill Transfer Systems |
| Private Sector Member | Rodney Cooper | Brodie International |
| Private Sector Member | Constantine Cotsoradis | Flint Hills Resources |
| Private Sector Member | Ronnell Gallon | Zenner Performance Meters, Inc. |
| Private Sector Member | Gordon Johnson | Gilbarco, Inc. |
| Private Sector Member | Dmitri Karimov | Liquid Controls, LLC |
| Private Sector Member | Douglas Long | RDM Industrial Electronics |
| Private Sector Member | Wade Mattar | Invensys / Foxboro |
| Private Sector Member | Richard Miller | FMC Technologies Measurement Solutions, Inc. |
| Private Sector Member | Randy Moses | Wayne Fueling Systems |
| Private Sector Member | Andre Noel | Neptune Technology Group, Inc. |
| Private Sector Member | Christopher (Adam) Oldham | Gilbarco, Inc. |
| Private Sector Member | Robin Parsons | Parafour Innovations, LLC |
| Private Sector Member | Richard Tucker | RL Tucker Consulting, LLC |
| NTEP Software Sector | | |
| Office | Name | Affiliation |
| Chair | James Pettinato | FMC Technologies Measurement Solutions, Inc. |
| NTEP Administrator | Jim Truex | NCWM |
| NTEP Specialist | Darrell Flocken | NCWM |
| Secretary | Teri Gulke | Liquid Controls, LLC |
| Technical Advisor | Doug Bliss | Mettler-Toledo, LLC |
| Public Sector Member | Andrei Brezoica | California |
| Public Sector Member | Tom Buck | Ohio |
| Public Sector Member | Luciano Burtini | Measurement Canada |
| Public Sector Member | Joe Eccleston | Maryland |
| Public Sector Member | Eric Morabito | New York |
| Public Sector Member | John Roach | California |
| Public Sector Member | Ambler Thompson | NIST, Office of Weights and Measures |
| Public Sector Member | Zacharias Tripoulas | Maryland |

Organization Chart

| | | |
|-----------------------------|---------------------------|--|
| Private Sector Member | Mary Abens | Emerson Process Management |
| Private Sector Member | John Atwood | Tyson Foods |
| Private Sector Member | Gary Benjamin | NCR Corporation |
| Private Sector Member | Benjamin Bertz | Red Seal Measurement |
| Private Sector Member | Kevin Detert | Avery Weigh-Tronix |
| Private Sector Member | Andrew Gell | Foss North America |
| Private Sector Member | Keith Harper | Gencor Industries, Inc. |
| Private Sector Member | Tony Herrin | Cardinal Scale Manufacturing, Co. |
| Private Sector Member | Jan Konijnenburg | Rice Lake Weighing Systems, Inc. |
| Private Sector Member | Dominic Meyer | KSi Conveyors, Inc. |
| Private Sector Member | Richard Miller | FMC Technologies Measurement Solutions, Inc. |
| Private Sector Member | Christopher (Adam) Oldham | Gilbarco, Inc. |
| Private Sector Member | Mike Roach | VeriFone |
| Private Sector Member | Robin Sax | CompuWeigh Corporation |
| Private Sector Member | David Vande Berg | Vande Berg Scales |
| Private Sector Member | John Wind | Bizerba USA, Inc. |
| Private Sector Member | Kraig Wooddell | Hobart |
| NTEP Weighing Sector | | |
| Office | Name | Affiliation |
| Chair | Rob Upright | Vishay Transducers |
| NTEP Administrator | Jim Truex | NCWM |
| NTEP Specialist | Darrell Flocken | NCWM |
| Technical Advisor | Rick Harshman | NIST, Office of Weights and Measures |
| Advisory Member | Robert Feezor | Retired |
| Public Sector Member | L. Cary Ainsworth | USDA, GIPSA |
| Public Sector Member | Tina Butcher | NIST, Office of Weights and Measures |
| Public Sector Member | Kevin Chesnutwood | NIST, Office of Weights and Measures |
| Public Sector Member | Fran Elson-Houston | Ohio |
| Public Sector Member | Nathan Gardner | Oregon |
| Public Sector Member | Marcus Harwitz | USDA, GIPSA, FGIS |
| Public Sector Member | Robert Meadows | Kansas |
| Public Sector Member | Eric Morabito | New York |
| Public Sector Member | Zacharias Tripoulas | Maryland |
| Public Sector Member | Pascal Turgeon | Measurement Canada |
| Public Sector Member | Juana Williams | NIST, Office of Weights and Measures |
| Private Sector Member | Steven Beitzel | Systems Associates, Inc. |
| Private Sector Member | Neil Copley | Thurman Scale Co. |
| Private Sector Member | Bill Danderand | FedEx Freight |
| Private Sector Member | Mitchell Eyles | Flintec, Inc. |
| Private Sector Member | Brad Fryburger | Rinstrum, Inc. |
| Private Sector Member | Eric Golden | Cardinal Scale Manufacturing, Co. |
| Private Sector Member | Jon Heinlein | Transcell Technology, Inc. |

Organization Chart

| | | |
|-----------------------|------------------|----------------------------------|
| Private Sector Member | Scott Henry | Zebra Technologies |
| Private Sector Member | Sam Jalahej | Totalcomp, Inc. |
| Private Sector Member | Jan Konijnenburg | Rice Lake Weighing Systems, Inc. |
| Private Sector Member | John Lawn | Rinstrum, Inc. |
| Private Sector Member | L. Edward Luthy | Schenck Process Transport N.A. |
| Private Sector Member | Weston Privett | XPO LTL |
| Private Sector Member | Thomas Rice | Mettler-Toledo, LLC |
| Private Sector Member | Kyle Schaffer | Tufner Weighing Systems |
| Private Sector Member | Louis Straub | Fairbanks Scale, Inc. |
| Private Sector Member | Russ Vires | Mettler-Toledo, LLC |
| Private Sector Member | Jerry Wang | A&D Engineering, Inc. |

Central Weights and Measures Association (CWMA) www.cwma.net

| | | | | |
|------------------------|---|---------------------------------|--|-----------------------------------|
| States | Illinois Indiana Iowa | Kansas Michigan Minnesota | Missouri Nebraska North Dakota | Ohio South Dakota Wisconsin |
| Contact | Sherry Turvey Kansas Department of Agriculture | | (785) 564-6681 sherry.turvey@ks.gov | |
| Annual Meeting | May 21 – 24, 2018 | | Springfield, Illinois | |
| Interim Meeting | TBD | | TBD | |

Northeastern Weights and Measures Association (NEWMA) www.newma.us

| | | | | |
|------------------------|--|---|--|---------|
| States | Connecticut Maine Massachusetts | New Hampshire New Jersey New York | Pennsylvania Puerto Rico Rhode Island | Vermont |
| Contact | James Cassidy City of Cambridge Weights and Measures Department | | (617) 349-6133 jcassidy@cambridgema.gov | |
| Annual Meeting | May 7 – 10, 2018 | | Saratoga Springs, New York | |
| Interim Meeting | TBD | | TBD | |

Southern Weights and Measures Association (SWMA) www.swma.org

| | | | | | | |
|-----------------------|---|--|--|---|--------------------------------------|--|
| States | Alabama Arkansas Delaware | District of Columbia Florida Georgia | Kentucky Louisiana Maryland | Mississippi North Carolina Oklahoma | South Carolina Tennessee Texas | US Virgin Islands Virginia West Virginia |
| Contact | Tim Chesser Arkansas Bureau of Standards | | (501) 570-1154 tim.chesser@aspb.ar.gov | | | |
| Annual Meeting | TBD | | TBD | | | |

Western Weights and Measures Association (WWMA) www.westernwma.org

| | | | | | |
|-----------------------|---|-----------------------------|--|------------------------------|---------|
| States | Alaska Arizona California | Colorado Hawaii Idaho | Montana Nevada New Mexico | Oregon Utah Washington | Wyoming |
| Contact | Michelle Wilson Arizona Department of Weights and Measures | | (602) 771-4933 mwilson@azda.gov | | |
| Annual Meeting | TBD | | TBD | | |

Past Chairmen

| Conference | Year | Location | Chairman | Affiliation |
|-------------------|-------------|-------------------------|--------------------|------------------------------|
| 1 st | 1905 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| 2 nd | 1906 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| 3 rd | 1907 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| 4 th | 1908 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| | 1909 | Conference Was Not Held | | |
| 5 th | 1910 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| 6 th | 1911 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| 7 th | 1912 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| 8 th | 1913 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| 9 th | 1914 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| 10 th | 1915 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| 11 th | 1916 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| | 1917 | Conference Was Not Held | | |
| | 1918 | Conference Was Not Held | | |
| 12 th | 1919 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| 13 th | 1920 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| 14 th | 1921 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| 15 th | 1922 | Washington, D.C. | Dr. S.W. Stratton | National Bureau of Standards |
| 16 th | 1923 | Washington, D.C. | Dr. George Burgess | National Bureau of Standards |
| 17 th | 1924 | Washington, D.C. | Dr. George Burgess | National Bureau of Standards |
| 18 th | 1925 | Washington, D.C. | Dr. George Burgess | National Bureau of Standards |
| 19 th | 1926 | Washington, D.C. | Dr. George Burgess | National Bureau of Standards |
| 20 th | 1927 | Washington, D.C. | Dr. George Burgess | National Bureau of Standards |
| 21 st | 1928 | Washington, D.C. | Dr. George Burgess | National Bureau of Standards |
| 22 nd | 1929 | Washington, D.C. | Dr. George Burgess | National Bureau of Standards |
| 23 rd | 1930 | Washington, D.C. | Dr. George Burgess | National Bureau of Standards |
| 24 th | 1931 | Washington, D.C. | Dr. George Burgess | National Bureau of Standards |
| | 1932 | Conference Was Not Held | | |
| | 1933 | Conference Was Not Held | | |
| | 1934 | Conference Was Not Held | | |
| 25 th | 1935 | Washington, D.C. | Dr. Lyman Briggs | National Bureau of Standards |
| 26 th | 1936 | Washington, D.C. | Dr. Lyman Briggs | National Bureau of Standards |
| 27 th | 1937 | Washington, D.C. | Dr. Lyman Briggs | National Bureau of Standards |
| 28 th | 1938 | Washington, D.C. | Dr. Lyman Briggs | National Bureau of Standards |
| 29 th | 1939 | Washington, D.C. | Dr. Lyman Briggs | National Bureau of Standards |
| 30 th | 1940 | Washington, D.C. | Dr. Lyman Briggs | National Bureau of Standards |
| 31 st | 1941 | Washington, D.C. | Dr. Lyman Briggs | National Bureau of Standards |
| | 1942 | Conference Was Not Held | | |
| | 1943 | Conference Was Not Held | | |
| | 1944 | Conference Was Not Held | | |
| | 1945 | Conference Was Not Held | | |
| 32 nd | 1946 | Washington, D.C. | Dr. E.U. Condon | National Bureau of Standards |
| 33 rd | 1947 | Washington, D.C. | Dr. E.U. Condon | National Bureau of Standards |
| | 1948 | Conference Was Not Held | | |
| 34 th | 1949 | Washington, D.C. | Dr. E.U. Condon | National Bureau of Standards |
| 35 th | 1950 | Washington, D.C. | Dr. E.U. Condon | National Bureau of Standards |
| 36 th | 1951 | Washington, D.C. | Dr. E.U. Condon | National Bureau of Standards |
| 37 th | 1952 | Washington, D.C. | Dr. A.V. Astin | National Bureau of Standards |
| 38 th | 1953 | Washington, D.C. | Dr. A.V. Astin | National Bureau of Standards |
| 39 th | 1954 | Washington, D.C. | Dr. A.V. Astin | National Bureau of Standards |
| 40 th | 1955 | Washington, D.C. | Dr. A.V. Astin | National Bureau of Standards |

Past Chairmen

| Conference | Year | Location | Chairman | Affiliation |
|-------------------|-------------|--------------------|------------------|------------------------------|
| 41 st | 1956 | Washington, D.C. | Dr. A.V. Astin | National Bureau of Standards |
| 42 nd | 1957 | Washington, D.C. | Dr. A.V. Astin | National Bureau of Standards |
| 43 rd | 1958 | Washington, D.C. | J.P. McBride | Massachusetts |
| 44 th | 1959 | Washington, D.C. | C.M. Fuller | California |
| 45 th | 1960 | Washington, D.C. | H.E. Crawford | Florida |
| 46 th | 1961 | Washington, D.C. | R.E. Meek | Indiana |
| 47 th | 1962 | Washington, D.C. | Robert Williams | New York |
| 48 th | 1963 | Washington, D.C. | C.H. Stender | South Carolina |
| 49 th | 1964 | Washington, D.C. | D.M. Turnbull | Washington |
| 50 th | 1965 | Washington, D.C. | V.D. Campbell | Ohio |
| 51 st | 1966 | Denver, CO | J.F. True | Kansas |
| 52 nd | 1967 | Washington, D.C. | J.E. Bowen | Massachusetts |
| 53 rd | 1968 | Washington, D.C. | C.C. Morgan | Indiana |
| 54 th | 1969 | Washington, D.C. | S.H. Christie | New Jersey |
| 55 th | 1970 | Salt Lake City, UT | R.W. Searles | Ohio |
| 56 th | 1971 | Washington, D.C. | M. Jenning | Tennessee |
| 57 th | 1972 | Washington, D.C. | E.H. Black | California |
| 58 th | 1973 | Minneapolis, MN | George Johnson | Kentucky |
| 59 th | 1974 | Washington, D.C. | John Lewis | Washington |
| 60 th | 1975 | San Diego, CA | Sydney Andrews | Florida |
| 61 st | 1976 | Washington, D.C. | Richard Thompson | Maryland |
| 62 nd | 1977 | Dallas, TX | Earl Prideaux | Colorado |
| 63 rd | 1978 | Washington, D.C. | James Lyles | Virginia |
| 64 th | 1979 | Portland, OR | Kendrick Simila | Oregon |
| 65 th | 1980 | Washington, D.C. | Charles Vincent | Texas |
| 66 th | 1981 | St. Louis, MO | Edward Stadolnik | Massachusetts |
| 67 th | 1982 | Atlanta, GA | Edward Heffron | Michigan |
| 68 th | 1983 | Sacramento, CA | Charles Greene | New Mexico |
| 69 th | 1984 | Boston, MA | Sam Hindsman | Arkansas |
| 70 th | 1985 | Washington, D.C. | Ezio Delfino | California |
| 71 st | 1986 | Albuquerque, NM | George Mattimoe | Hawaii |
| 72 nd | 1987 | Little Rock, AR | Frank Nagele | Michigan |
| 73 rd | 1988 | Grand Rapids, MI | Darrell Guensler | California |
| 74 th | 1989 | Seattle, WA | John Bartfai | New York |
| 75 th | 1990 | Washington, D.C. | Fred Gerk | New Mexico |
| 76 th | 1991 | Philadelphia, PA | N. David Smith | North Carolina |
| 77 th | 1992 | Nashville, TN | Sidney Colbrook | Illinois |
| 78 th | 1993 | Kansas City, MO | Allan Nelson | Connecticut |
| 79 th | 1994 | San Diego, CA | Thomas Geiler | Massachusetts |
| 80 th | 1995 | Portland, ME | James Truex | Ohio |
| 81 st | 1996 | New Orleans, LA | Charles Gardne | New York |
| 82 nd | 1997 | Chicago, IL | Barbara Bloch | California |
| 83 rd | 1998 | Portland, OR | Steven Malone | Nebraska |
| 84 th | 1999 | Burlington, VT | Aves Thompson | Alaska |
| 85 th | 2000 | Richmond, VA | Wes Diggs | Virginia |
| 86 th | 2001 | Washington, DC | Louis Straub | Maryland |
| 87 th | 2002 | Cincinnati, OH | Ronald Murdock | North Carolina |
| 88 th | 2003 | Sparks, NV | Ross Andersen | New York |
| 89 th | 2004 | Pittsburgh, PA | Dennis Ehrhart | Arizona |
| 90 th | 2005 | Orlando, FL | Wes Diggs | Virginia |
| 91 st | 2006 | Chicago, IL | Don Onwiler | Nebraska |

Past Chairmen

| Conference | Year | Location | Chairman | Affiliation |
|-------------------|-------------|--------------------|------------------|--------------------|
| 92 nd | 2007 | Salt Lake City, UT | Michael Cleary | California |
| 93 rd | 2008 | Burlington, VT | Judy Cardin | Wisconsin |
| 94 th | 2009 | San Antonio, TX | Jack Kane | Montana |
| 95 th | 2010 | St. Paul, MN | Randy Jennings | Tennessee |
| 96 th | 2011 | Missoula, MT | Tim Tyson | Kansas |
| 97 th | 2012 | Portland, ME | Kurt Floren | California |
| 98 th | 2013 | Louisville, KY | Stephen Benjamin | North Carolina |
| 99 th | 2014 | Detroit, MI | John Gaccione | New York |
| 100 th | 2015 | Philadelphia, PA | Ronald Hayes | Missouri |
| 101 st | 2016 | Denver, CO | Jerry Buendel | Washington |
| 102 nd | 2017 | Pittsburgh, PA | Kristin Macey | California |

Past Chairmen

General Information

PURPOSE

NCWM meetings are held throughout the year to develop the national standards that are adopted by NCWM and published in *NIST Handbooks 44, 130, and 133*. At the Interim Meeting, Committees will conduct Open Hearings where all attendees have a direct impact on the national standards through their testimony. Following Open Hearings, the Committees will convene in work sessions to consider testimony and all other information at their disposal to further develop agenda items and determine the status of each for the Annual Meeting in July. Committees will report these decisions at the Joint Committee Meeting on Wednesday. Items given voting status by the Committees will be presented at NCWM Annual Meeting in July.

FIRST TIME ATTENDEES

All attendees who are participating for the first time are encouraged to ask NCWM staff, Chairman, Board members and/or Committee member's questions.

AGENDA

The subject matter listed on each Standing Committee's agenda will be open for discussion as noted. The Committee may also take up routine or miscellaneous items brought to its attention after the preparation of this document. The Committee may decide to accept items for discussion that are not listed in this document, providing they meet the criteria for exceptions as presented in NCWM Policy 3.2.2. *Procedures to Modify Handbooks*, Part E, *Exceptions to Policy for Submission of Items to the NCWM Committee Agenda; Submission of Priority Items*. The Committees have not determined whether the items presented will be Voting or Informational, Developing or Withdrawn in status for the Annual Meeting in July; these determinations will be made in their deliberations at the Interim Meeting.

The agendas:

1. Shall include items brought to the attention of the Standing Committees prior to the submission deadline of November 1, 2017, and approved for inclusion in their agendas by the Committees; and
2. Shall serve as the basis for the Standing Committee Interim Reports; to be printed in the program and Committee reports of *NCWM Publication 16, Committee Reports for the 103rd Annual Meeting* to be held July 15-19, 2018 at the Hyatt Regency Tulsa Hotel in Tulsa, Oklahoma. The final reports of the Committees will be published following the 103rd NCWM Annual Meeting in the NIST Special Publication, *Annual Report of the 103rd National Conference on Weights and Measures*.

WRITTEN COMMENTS OR ORAL STATEMENTS

Any person or organization wanting to provide a formal presentation during a Committee session should make the request in writing to the Executive Director. Reasonable limitations on time allotted for presentations will be imposed. *Note: Only registered attendees may make presentations.*

National Conference on Weights and Measures
Attn: Don Onwiler, Executive Director
1135 M Street, Suite 110
Lincoln, NE 68508
(402) 434-4880
don.onwiler@ncwm.net

JOINT MEETINGS FOR ALL COMMITTEES

A Joint Meeting for all Committees will be held on Sunday, January 21, and Wednesday, January 24, 2018. On Wednesday, each Standing Committee will highlight the major decisions made during the week, and the Nominating Committee will present its report.

PARTICIPATION

All sessions are open to registered attendees of the conference. If a 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. NCWM 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. Please note that a one-day notice will not be possible if a closed meeting is called on Sunday. Since participants may make their travel reservations in order to attend technical meetings scheduled for Sunday, every effort will be made to limit any required closed meetings to only part of Sunday.

REPORTS

There will not be a transcript made of the proceedings of the Interim Meetings. Each Committee will prepare its report containing its recommendations based upon the presentations, discussions, and deliberations on all matters on its agenda that were addressed during the Interim Meeting. These reports will be published in *NCWM Publication 16, Committee Reports for the 103rd Annual Meeting*, to be posted to the NCWM website at www.ncwm.net in early April. Printed copies of NCWM Publication 16 will be distributed to meeting attendees at the NCWM Annual Meeting in July.

ANNUAL MEETING

The 103rd NCWM Annual Meeting will be held at the Hyatt Regency Tulsa Hotel in Tulsa, Oklahoma, July 15-19, 2018.

UNITS OF MEASUREMENT

In keeping with the provisions of the Omnibus Trade and Competitiveness Act of 1988, which establishes the metric system as the preferred system of measurement for commerce and trade, units of the metric system have been used in this document, except where industry has not yet converted from the inch-pound system. In some instances, submitted proposals quoted in the Committee agendas may appear in inch-pound units only.

General Information