

**N C W M  
PUBLICATION**

**15**

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

**Charleston, South Carolina / January 13-16, 2019**

*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.



## **“Valued Traditions & New Innovations – Confidence in Every Transaction”**

Brett Gurney, Chairman  
Utah



Dear NCWM Members,

Welcome to Charleston, South Carolina! Our 2019 NCWM Interim Meeting will be held at the Francis Marion Hotel 387 King Street, Charleston, South Carolina. The port city of Charleston was founded in 1670, and is defined by its cobblestone streets, horse-drawn carriages and pastel antebellum houses, particularly in the elegant French Quarter and Battery districts. The Battery promenade and Waterfront Park both overlook Charleston Harbor, while Fort Sumter, a federal stronghold where the first shots of the Civil War rang out, lies across the water.

Our theme this year is “Valued Traditions & New Innovations – Confidence in Every Transaction”. Confidence in every transaction is essential and important when standards are improved and developed for traditional and new innovations. A broad array of topics that affect industry, consumers, and each of our day to day duties will be addressed. A major objective of NCWM is to foster understanding and cooperation among weights and measures officials and all industrial, business, and consumer interests.

Attending an NCWM Interim Meeting is a great opportunity for us to discuss proposals, learn about emerging issues, networking and working together to develop standards. Your input is important in influencing and establishing national standards for the marketplace.

I would like to personally thank each of our members who serve on committees or in any other capacity to make this organization a success. Once again, our standing committees have a full workload in addition to the vast number of topics on the technical committee agendas.

The following task groups and subcommittees will be meeting on Sunday:

- Cannabis
- Credit Card Skimmer
- POS Tare
- Safety
- Packaging and Labeling
- Fuels and Lubricants

On Wednesday morning, we will feature a technical session presented by members of the Cannabis Task Group. They will discuss their progress and challenges in addressing

- Scale Suitability
- Method of Sale
- Packaging and Labeling
- Inspector Safety
- Moisture Loss of Prepackaged Products

I look forward to working with you in Charleston. Thank you for your participation in the important work we do developing weights and measures standards. Safe travels!

Sincerely,

Brett Gurney, NCWM Chairman



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## 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.*

<b>Saturday, January 12, 2019</b>		<b>Room</b>	<b>Floor</b>
8:00 a.m. – 5:00 p.m.	NCWM Board of Directors Meeting	Pinckney	Mezzanine
<b>Sunday, January 13, 2019</b>		<b>Room</b>	<b>Floor</b>
8:30 a.m. – 9:00 a.m.	Coffee Service and Exhibits	Prefunction A	Mezzanine
8:30 a.m. – 5:00 p.m.	Registration	Registration Booth	Mezzanine
8:00 a.m. – 11:30 a.m.	Meter Manufacturer Association	Pinckney	Mezzanine
9:00 a.m. – 10:15 a.m.	Safety Subcommittee	Laurens	Mezzanine
9:00 a.m. – 10:15 a.m.	Packaging and Labeling Subcommittee	Pinckney	Mezzanine
10:15 a.m. – 11:30 a.m.	Credit Card Skimmer Task Group	Calhoun	Mezzanine
11:30 p.m. – 1:00 p.m.	Lunch on Your Own		
1:00 p.m. – 3:30 p.m.	Fuels and Lubricants Subcommittee	Calhoun	Mezzanine
1:00 p.m. – 2:15 p.m.	POS Tare Task Group	Laurens	Mezzanine
2:15 p.m. – 3:30 p.m.	Cannabis Task Group	Pinckney	Mezzanine
3:30 p.m. – 4:00 p.m.	<b>Joint Committee Meeting</b>	Carolina	Mezzanine
4:00 p.m. – 5:00 p.m.	<b>Committee Agenda Review</b>		
	Laws and Regulations Committee	Calhoun	Mezzanine
	Specifications and Tolerances Committee	Pinckney	Mezzanine
	Professional Development Committee	Laurens	Mezzanine
	Board of Directors / NTEP Committee	Rutledge	Mezzanine
5:30 p.m. – 7:00 p.m.	<b>Chairman's Reception</b>	Gold	2 <sup>nd</sup>

2019 Interim Schedule of Events

<b>Monday, January 14, 2019</b>		<b>Room</b>	<b>Floor</b>
7:30 a.m. – 9:00 a.m.	Light Breakfast and Exhibits	Prefunction A	Mezzanine
7:30 a.m. – 5:00 p.m.	Registration	Registration Booth	Mezzanine
8:00 a.m. – 5:00 p.m.	Nominating Committee		
8:30 a.m. – 12:00 p.m.	<b>Official Session – Open Hearings</b> Laws and Regulations Committee Specifications and Tolerances Committee Professional Development Committee Board of Directors NTEP Committee	Carolina	Mezzanine
12:00 p.m. – 1:00 p.m.	Lunch on Your Own		
1:00 p.m. – 5:00 p.m.	<b>Official Session – Open Hearings Continued</b>	Carolina	Mezzanine
<b>Tuesday, January 15, 2019</b>		<b>Room</b>	<b>Floor</b>
7:30 a.m. – 9:00 a.m.	Light Breakfast and Exhibits	Prefunction A	Mezzanine
7:30 a.m. – 5:00 p.m.	Registration	Registration Booth	Mezzanine
8:30 a.m. – 12:00 p.m.	<b>Official Session – Open Hearings Continued</b>	Carolina	Mezzanine
12:00 p.m. – 1:00 p.m.	Lunch on Your Own		
1:00 p.m. – 5:00 p.m.	<b>Committee Work Sessions</b> Laws and Regulations Committee Specifications and Tolerances Committee Professional Development Committee Board of Directors / NTEP Committee	Calhoun Pinckney Laurens Rutledge	Mezzanine Mezzanine Mezzanine Mezzanine
5:00 p.m. – 6:00 p.m.	Associate Membership Committee	Carolina	Mezzanine

<b>Wednesday, January 16, 2019</b>		<b>Room</b>	<b>Floor</b>
7:30 a.m. – 9:00 a.m.	Light Breakfast and Exhibits	Prefunction A	Mezzanine
7:30 a.m. – 12:00 p.m.	Registration	Registration Booth	Mezzanine
9:00 a.m. – 10:45 a.m.	<b>Technical Session: Cannabis Task Group –            Reports from Focus Groups on:</b> <ul style="list-style-type: none"> <li>• Scale Suitability</li> <li>• Method of Sale</li> <li>• Packaging and Labeling</li> <li>• Inspector Safety</li> <li>• Moisture Loss of Prepackaged Products</li> </ul>	Carolina	Mezzanine
11:00 a.m. – 12:00 p.m.	<b>Joint Committee Meeting</b>	Carolina	Mezzanine



# Organization Chart

<b>NCWM Board of Directors</b>			
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>	<b>Term Ends</b>
Chairman	Brett Gurney	Utah	2019
Chairman-Elect	Craig VanBuren	Michigan	2019
Immediate Past Chair	James Cassidy	Massachusetts	2019
Treasurer	Raymond Johnson	New Mexico	2020
Active Membership – Northeastern	Jack Walsh	Town of Wellesley, Massachusetts	2019
Active Membership – Central	Ivan Hankins	Iowa	2020
Active Membership – Western	Mahesh Albuquerque	Colorado	2022
Active Membership – Southern	Hal Prince	Florida	2023
At-Large	Julie Quinn	Minnesota	2021
At-Large	Rebecca Richardson	MARC-IV Consulting	2023
Associate Membership Representative	Christopher Guay	Procter and Gamble, Co.	2019
Honorary NCWM President	Dr. Walter G. Copan	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
<b>National Type Evaluation Program Committee (NTEP)</b>			
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>	<b>Term Ends</b>
Committee Chair	James Cassidy	Massachusetts	2019
NEWMA Representative	Jack Walsh	Town of Wellesley, Massachusetts	2019
SWMA Representative	Hal Prince	Florida	2019
Upcoming Committee Chair	Brett Gurney	Utah	2020
Upcoming Committee Chair	Craig VanBuren	Michigan	2021
NTEP Administrator	Jim Truex	NCWM	NA
<b>Finance Committee</b>			
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>	<b>Term Ends</b>
Committee Chair	Craig VanBuren	Michigan	2019
Nominated Chair-Elect	TBD		
Treasurer	Raymond Johnson	New Mexico	2020
Associate Membership Representative	Christopher Guay	Procter and Gamble, Co.	2019
Executive Director	Don Onwiler	NCWM	NA

## Organization Chart

<b>Laws and Regulations Committee (L&amp;R)</b>			
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>	<b>Term Ends</b>
Committee Chair	Michelle Wilson	Arizona	2019
Member	Ethan Bogren	Westchester County, New York	2020
Member	Joel Maddux	Virginia	2021
Member	John McGuire	New Jersey	2022
Member	Doug Rathbun	Illinois	2023
Associate Membership Representative	Prentiss Searles	American Petroleum Institute	2023
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
<b>Professional Development Committee (PDC)</b>			
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>	<b>Term Ends</b>
Committee Chair	Gene Robertson	Mississippi	2019
Member	Marc Paquette	Vermont	2020
Member	Marco Mares	San Diego County, California	2021
Member	Jean Kliethermes	Missouri	2022
Member	Scott Ferguson	Michigan	2023
Associate Membership Representative	James Pettinato	FMC Technologies Measurement Solutions, Inc.	2023
Safety Liaison	Julie Quinn	Minnesota	NA
NIST Liaison	Tina Butcher	NIST, Office of Weights and Measures	NA
Certification Coordinator	Ross Andersen	Retired	NA
<b>Specifications and Tolerances Committee (S&amp;T)</b>			
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>	<b>Term Ends</b>
Committee Chair	Rachelle Miller	Wisconsin	2020
Member	Loren Minnich	Kansas	2019
Member	Josh Nelson	Oregon	2021
Member	Brad Bachelder	Maine	2022
Member	Jason Glass	Kentucky	2023
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

<b>Nominating Committee</b>			
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>	<b>Term Ends</b>
Committee Chair	James Cassidy	Massachusetts	2019
Member	Stephen Benjamin	North Carolina	2019
Member	Mark Coyne	City of Brockton, Massachusetts	2019
Member	Steven Harrington	Oregon	2019
Member	Ronald Hayes	Missouri	2019
Member	Kristin Macey	California	2019
Member	Ken Ramsburg	Maryland	2019
<b>Credentials Committee</b>			
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>	<b>Term Ends</b>
Committee Chair	Elaine Vieira	City of Boston, Massachusetts	2019
Member	David Aguayo	County of San Luis Obispo, California	2020
Member	Stuart Strnad	Texas	2021
Coordinator	Darrell Flocken	NCWM	NA
<b>Appointive Officials</b>			
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>	<b>Term Ends</b>
Chaplain	Constantine Cotsoradis	Flint Hills Resources	2019
Parliamentarian	Louis Straub	Fairbanks Scale, Inc.	2019
Presiding Officer	Tim Chesser	Arkansas	2019
Presiding Officer	Doug Musick	Kansas	2019
Presiding Officer	Kevin Schnepf	California	2019
Presiding Officer	Jane Zulkiewicz	Town of Barnstable, Massachusetts	2019
Sergeant-at-Arms	Jacques Daniel	Wisconsin	2019
Sergeant-at-Arms	Greg Loreck	Wisconsin	2019
<b>Associate Membership Committee</b>			
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>	<b>Term Ends</b>
Committee Chair	Mark Flint	ADM	2019
Vice-Chair	Bob Wiese	Northwest Tank and Environmental Services	2019
Secretary / Treasurer	Ron Gibson	Seraphin Test Measure	2019
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

<b>Fuels and Lubricants Subcommittee</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
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	John Hayes	Tennessee
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	Karl Scott	Utah
Public Sector Member	Brenda Sharkey	South Dakota
Public Sector Member	Charles Stutesman	Kansas
Public Sector Member	Kevin Upschulte	Missouri
Public Sector Member	Timothy White	Michigan
Public Sector Member	Michelle Wilson	Arizona
Private Sector Member	Holly Alfano	Independent Lubricant Manufacturers Association
Private Sector Member	Teresa Alleman	National Renewable Energy Laboratory
Private Sector Member	Matt Bjornson	Bjornson Oil Company
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	Scott Fenwick	National Biodiesel Board
Private Sector Member	Rick Fragnito	Shell
Private Sector Member	Jennifer Green	CITGO Petroleum Corporation
Private Sector Member	Philip Guillemette	Flint Hills Resources, LP
Private Sector Member	John Harkins	Energy Transfer
Private Sector Member	Marilyn Herman	Herman and Associates
Private Sector Member	Cal Hodge	A 2nd Opinion, Inc.
Private Sector Member	Jason Holmes	BASF Corporation
Private Sector Member	William Hornbach	Chevron Global Downstream, LLC



## Organization Chart

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
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	Beverly Michels	BP Products
Private Sector Member	Kristi Moore	KMoore Consulting, LLC
Private Sector Member	Manuch Nikanjam	Chevron Global Downstream, LLC
Private Sector Member	Keith Penn	Colonial Pipeline Company
Private Sector Member	Derek Regal	Tesoro Companies, Inc.
Private Sector Member	Jim Rocco	Petroleum Marketers Association of America
Private Sector Member	Prentiss Searles	American Petroleum Institute
Private Sector Member	Dr. Prasad Tumati	Haltermann Solutions
Private Sector Member	Marie Valentine	Toyota - TEMA - TTC
Private Sector Member	Steve Vander Griend	ICM, Inc.
Private Sector Member	Lilla Voros	The Lubrizol Corp.

### 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

<b>Safety Task Group</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
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	Sprague Ackley	Honeywell
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.
<b>Weigh-In-Motion Task Group</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
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	Cary Ainsworth	Tufner Weighing and Automation Systems
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	Southern II Scale
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

## Organization Chart

Private Sector Member	Brian Taylor	Intelligent Imaging Systems
Private Sector Member	Russ Vires	Mettler-Toledo, LLC
Private Sector Member	Sam Wimsett	Cardinal Scale Manufacturing, Co.
Private Sector Member	Matt Young	Intercomp Company
<b>Cannabis Task Group</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
Chair	James Cassidy	Massachusetts
Public Sector Member	Brad Bachelder	Maine
Public Sector Member	Loren Kipp Blauer	Nevada
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	Ivan Hankins	Iowa
Public Sector Member	Mike Harrington	Iowa
Public Sector Member	Steven Harrington	Oregon
Public Sector Member	Ryanne Hartman	Michigan
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	Julie Quinn	Minnesota
Public Sector Member	Ken Ramsburg	Maryland
Public Sector Member	William Rigby	Utah
Public Sector Member	Charles Rutherford	General Interest
Public Sector Member	Kate Smetana	Colorado
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	James Willis	New York
Public Sector Member	Michelle Wilson	Arizona

## Organization Chart

Public Sector Member	John Young	Yolo County, California
Private Sector Member	Andy Brassington	Evergreen Herbal
Private Sector Member	Alexander Cook	Wellness Connection of Maine
Private Sector Member	Brian Duncan	ECRS
Private Sector Member	Eric Golden	Cardinal Scale Manufacturing, Co.
Private Sector Member	Christopher Guay	Procter and Gamble, Co.
Private Sector Member	Richard Guild	The Scale People, Inc.
Private Sector Member	George Hatzimanuel	Ohaus Corporation
Private Sector Member	Joanna L. Johnson	Johnson Policy Associates, Inc.
Private Sector Member	Richard Shipman	Rice Lake Weighing Systems, Inc.
<b>Credit Card Skimmer Task Group</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
Chair	Hal Prince	Florida
Public Sector Member	James Cassidy	Massachusetts
Public Sector Member	Mike Harrington	Iowa
Public Sector Member	Eric Janke	South Dakota
Public Sector Member	Joel Maddux	Virginia
Public Sector Member	John McGuire	New Jersey
Public Sector Member	Mike Sikula	New York
Public Sector Member	Craig VanBuren	Michigan
Public Sector Member	Scott Wagner	Colorado
Public Sector Member	Michelle Wilson	Arizona
Private Sector Member	Paige Anderson	National Association of Convenience Stores
Private Sector Member	Owen DeWitt	FlintLoc Technologies, LLC
Private Sector Member	Randy Moses	Wayne Fueling Systems
Private Sector Member	Brent Price	Gilbarco, Inc.
<b>Multiple Dimension Measuring Device Work Group</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
Chair	Chris Senneff	Rice Lake Weighing Systems, 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	Jeff Fantozzi	Ohio
Public Sector Member	Pascal Turgeon	Measurement Canada, Policy/Regulations Group
Private Sector Member	Sprague Ackley	Honeywell
Private Sector Member	Bruce Budinger	AOA Xinefics/NGC
Private Sector Member	Jeff Cooper	National Motor Freight Traffic Association
Private Sector Member	Bill Danderand	FedEx
Private Sector Member	Scott Davidson	Mettler-Toledo, LLC
Private Sector Member	Michael Eichenberg	FreightSnap, LLC

Organization Chart

Private Sector Member	James Faas	YRC Freight
Private Sector Member	Scott Henry	Zebra Technologies
Private Sector Member	Robert Kennington	Cubiscan
Private Sector Member	Scott Murchison	Zebra Technologies
Private Sector Member	Don Newell	Newell Enterprises, LLC
Private Sector Member	Sameer Parmar	SICK, Inc.
Private Sector Member	Tony Romeo	Datalogic
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	Xin Wang	Amazon
Private Sector Member	Scott Wigginton	United Parcel Service
<b>NTEP EVSE Work Group</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
Chair	Andrei Moldoveanu	NEMA
NTEP Administrator	Jim Truex	NCWM
Technical Advisor	Juana Williams	NIST, Office of Weights and Measures
Public Sector Member	Tom Buck	Ohio
Public Sector Member	John Roach	California
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.
<b>NTEP Belt-Conveyor Scale Sector</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
Chair	Peter Sirrico	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
<b>NTEP Grain Analyzer Sector</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
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

## Organization Chart

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.
<b>NTEP Measuring Sector</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
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	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	John Hathaway	Murray Equipment
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

<b>NTEP Software Sector</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
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	Vere Miller	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	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
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	Brian Duncan	ECRS
Private Sector Member	Andrew Gell	Foss North America
Private Sector Member	Keith Harper	Gencor Industries, Inc.
Private Sector Member	Jan Konijnenburg	Rice Lake Weighing Systems, Inc.
Private Sector Member	Dominic Meyer	KS <sub>i</sub> 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	Ossid LLC
Private Sector Member	Kraig Wooddell	Hobart

## Organization Chart

<b>NTEP Weighing Sector</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
Chair	Rob Upright	VPG 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	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	Cary Ainsworth	Tufner Weighing Systems
Private Sector Member	Steven Beitzel	Systems Associates, Inc.
Private Sector Member	Neil Copley	Thurman Scale Co.
Private Sector Member	Bill Danderand	FedEx
Private Sector Member	Brian Duncan	ECRS
Private Sector Member	Mitchell Eyles	Flintec, Inc.
Private Sector Member	Brad Fryburger	Southern II Scale
Private Sector Member	Eric Golden	Cardinal Scale Manufacturing, Co.
Private Sector Member	Jon Heinlein	Transcell Technology, Inc.
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	Ben Raham	OCS Checkweighers, Inc.
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.



<b>Central Weights and Measures Association (CWMA) <a href="http://www.cwma.net">www.cwma.net</a></b>						
<b>States</b>	Illinois Indiana Iowa	Kansas Michigan Minnesota	Missouri Nebraska North Dakota	Ohio South Dakota Wisconsin		
<b>Contact</b>	Sherry Turvey Kansas Department of Agriculture			(785) 564-6681 <a href="mailto:sherry.turvey@ks.gov">sherry.turvey@ks.gov</a>		
<b>Annual Meeting</b>	May 6 – 9, 2019			Canton, Ohio		
<b>Interim Meeting</b>	2019, TBD			TBD		
<b>Northeastern Weights and Measures Association (NEWMA) <a href="http://www.newma.us">www.newma.us</a></b>						
<b>States</b>	Connecticut Maine Massachusetts	New Hampshire New Jersey New York	Pennsylvania Puerto Rico Rhode Island	Vermont		
<b>Contact</b>	James Cassidy Commonwealth of Massachusetts			(617) 727-3480 <a href="mailto:james.cassidy@mass.gov">james.cassidy@mass.gov</a>		
<b>Annual Meeting</b>	May 12 – 16, 2019			Portland, Maine		
<b>Interim Meeting</b>	2019, TBD			TBD		
<b>Southern Weights and Measures Association (SWMA) <a href="http://www.swma.org">www.swma.org</a></b>						
<b>States</b>	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
<b>Contact</b>	Ed Coleman Tennessee Department of Agriculture			(615) 837-1544 <a href="mailto:ed.coleman@tn.gov">ed.coleman@tn.gov</a>		
<b>Annual Meeting</b>	October 6 – 9, 2019			Knoxville, Tennessee		
<b>Western Weights and Measures Association (WWMA) <a href="http://www.westernwma.org">www.westernwma.org</a></b>						
<b>States</b>	Alaska Arizona California	Colorado Hawaii Idaho	Montana Nevada New Mexico	Oregon Utah Washington	Wyoming	
<b>Contact</b>	Brett Gurney Utah Department of Agriculture & Food			(801) 538-7158 <a href="mailto:bgurney@utah.gov">bgurney@utah.gov</a>		
<b>Annual Meeting</b>	September 8 – 12, 2019			Park City, Utah		

## Past Chairmen

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**Past Chairmen**


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

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**Past Chairmen**


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

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**Past Chairmen**


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<b>Conference</b>	<b>Year</b>	<b>Location</b>	<b>Chairman</b>	<b>Affiliation</b>
92 <sup>nd</sup>	2007	Salt Lake City, UT	Michael Cleary	California
93 <sup>rd</sup>	2008	Burlington, VT	Judy Cardin	Wisconsin
94 <sup>th</sup>	2009	San Antonio, TX	Jack Kane	Montana
95 <sup>th</sup>	2010	St. Paul, MN	Randy Jennings	Tennessee
96 <sup>th</sup>	2011	Missoula, MT	Tim Tyson	Kansas
97 <sup>th</sup>	2012	Portland, ME	Kurt Floren	California
98 <sup>th</sup>	2013	Louisville, KY	Stephen Benjamin	North Carolina
99 <sup>th</sup>	2014	Detroit, MI	John Gaccione	New York
100 <sup>th</sup>	2015	Philadelphia, PA	Ronald Hayes	Missouri
101 <sup>st</sup>	2016	Denver, CO	Jerry Buendel	Washington
102 <sup>nd</sup>	2017	Pittsburgh, PA	Kristin Macey	California
103 <sup>rd</sup>	2018	Tulsa, OK	James Cassidy	Massachusetts

## 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 September 1, 2018, 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 104<sup>th</sup> Annual Meeting* to be held July 14-18, 2019 at the Hyatt Regency Milwaukee in Milwaukee, Wisconsin. The final reports of the Committees will be published following the 104<sup>th</sup> NCWM Annual Meeting in the NIST Special Publication, *Annual Report of the 104<sup>th</sup> 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](mailto:don.onwiler@ncwm.net)

## **JOINT MEETINGS FOR ALL COMMITTEES**

A Joint Meeting for all Committees will be held on Sunday, January 13, and Wednesday, January 16, 2019. 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 104<sup>th</sup> Annual Meeting*, to be posted to the NCWM website at [www.ncwm.net](http://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 104<sup>th</sup> NCWM Annual Meeting will be held at the Hyatt Regency Milwaukee in Milwaukee, Wisconsin, July 14-18, 2019.

## **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