

**N C W M  
PUBLICATION  
16**

Agenda for the  
111<sup>th</sup> ANNUAL MEETING  
of the  
National Council on Weights and Measures  
Philadelphia, Pennsylvania / July 26-30, 2026

*Prepared in Cooperation with the National Council 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.*



**NIST**

OFFICE OF  
WEIGHTS AND MEASURES





## **National Council on Weights and Measures Overview**

National Council 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 Annual Meeting brings together government officials and representatives of business, industry, trade associations, and consumer organizations to hear and discuss subjects related 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) has 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.



Kevin Schnepf, NCWM Chair  
California



Welcome members and guests to the 111<sup>th</sup> Annual Meeting of the National Council on Weights and Measures in historic Philadelphia, Pennsylvania. Many of you may recall that Philadelphia was also the site for NCWM's 100<sup>th</sup> Annual Meeting. I cannot think of a more fitting venue to tackle the serious work of NCWM during our nation's semi-quincentennial, celebrating the 250<sup>th</sup> anniversary of the United States Declaration of Independence.

I hope that you can take some time to visit and learn more about Philadelphia, a city over 340 years old. Well-known as the birthplace of the Declaration of Independence, home to the Liberty Bell, Independence Hall, the nationally known Philly cheesesteak, and their lively Major League baseball mascot—the Philly Phanatic. Philadelphia offers so much more, so take some time to learn something else about this iconic city.

Our agenda kicks off on Sunday morning with meetings of the various subcommittees and task groups. Please attend as many of these meetings as possible to get current information on projects, agenda items, and responsibilities assigned to each task group or subcommittee. The work of our members through the subcommittees and task groups is vital to the success of NCWM and greatly supports the standing committees and the Board of Directors, to whom they report. Sunday evening is a time for networking and preparing for the days ahead. Please join me at the Chair's Reception for some good food and libations to get our work week off to a great start.

Monday and Tuesday of this week, the NCWM standing committees will hold open hearings to receive editorial suggestions, statements of support or opposition, and recommendations for the final status of items on their respective agendas. Regulators, industry representatives, technical advisors, and all registered attendees are encouraged to make their positions and recommendations known on each agenda item that is important to them. The open hearings provide a forum for discussion and debate, where disagreement is listened to with the intent of always understanding and compromising where practical.

Tuesday afternoon following open hearings, NCWM will have the awards celebration. There are several members being recognized for their dedication and service to NCWM, and you may be one of them. Please join us as we recognize these members and applaud their achievements.

The committees will then adjourn for their work sessions to deliberate on the status of items and determine which items will be voted on during our voting sessions. Remember that some agenda items that were assigned voting status at January's Interim Meeting may be downgraded prior to Wednesday's voting session based on comments and recommendations heard during open hearings, but no item can be elevated to voting status that was not assigned that status at the Interim.

During the voting session, the adoption or rejection of agenda items will determine what appears in the 2027 version of Handbooks 44, 130, and 133. Some items may pass or fail by a thin margin, so every vote counts. Voting members, please make sure to attend the entirety of the voting sessions and cast your official vote for each item as it is presented.

Thursday marks the last day of the 2026 NCWM Annual Meeting and will include a carryover of the voting session, if not completed on Wednesday, as well as our annual business meeting welcoming Jason Flint of New Jersey as he steps into his role as incoming NCWM Chair.

I look forward to the meetings, discussions, and deliberations that will guide each of our standing committees and inform our voting decisions. While we face the challenges ahead, I want to remind you that no challenge is insurmountable when faced with commitment, integrity, consistency of effort, and a steadfast commitment to high ethical standards. Our commitment to preserving and protecting equity in the marketplace by "measuring what matters" will help us successfully face our challenges.

Sincerely,

A handwritten signature in cursive script that reads "Kevin Schnepf".

Kevin Schnepf  
NCWM Chair



## Table of Contents

Title	Page
Schedule of Events .....	iii
Organization Chart .....	ix
Past Chairmen.....	xxv
General Information .....	GEN – 1
Purpose .....	GEN – 1
.....	GEN – 1
Supporting Documents .....	GEN – 1
Items Grouped into Blocks .....	GEN – 1
Designation of Item Status.....	GEN – 1
Addendum Sheets .....	GEN – 2
Voting System .....	GEN – 2
Written Comments or Oral Statements.....	GEN – 3
Participation.....	GEN – 3
.....	GEN – 3
Reports.....	GEN – 3
.....	GEN – 3
Interim Meeting.....	GEN – 4
Units of Measurement .....	GEN – 4
Board of Directors .....	BOD – 5
Laws and Regulations Committee .....	L&R – 27
Specifications and Tolerances Committee.....	S&T – 147
Professional Development Committee .....	PDC – 333
National Type Evaluation Program Committee.....	NTEP – 351
Nominating Committee .....	NOM – 367



# 111<sup>th</sup> NCWM Annual Meeting

## Schedule of Events

The schedule of events is tentative and subject to change

---

### Sunday, July 26, 2026

---

8:00 a.m. – 9:30 a.m.	Coffee Service	Grand Foyer
8:00 a.m. – 5:00 p.m.	Registration and Exhibits	Grand Foyer
<b>Subcommittee and Task Group Meetings</b>		
9:00 a.m. – 11:30 a.m.	Meter Manufacturers Association	Reynolds
9:00 a.m. – 11:30 a.m.	CALM: Community for All Legal Metrologists	Ballroom A
9:00 a.m. – 10:15 a.m.	Milk Meter Tolerance Task Group	Bromley
9:00 a.m. – 10:15 a.m.	MEMS: Member Education & Mentorship Subcommittee	Shippen
10:30 a.m. – 11:30 a.m.	EVSE Task Group	Bromley
10:30 a.m. – 11:30 a.m.	PALS: Packaging and Labeling Subcommittee	Shippen
11:30 a.m. – 1:00 p.m.	Lunch on Your Own	
<b>Subcommittee and Task Group Meetings</b>		
1:00 p.m. – 3:45 p.m.	FALS: Fuels & Lubricants Subcommittee	Ballroom A
1:00 p.m. – 2:15 p.m.	Metrology Subcommittee	Reynolds
1:00 p.m. – 2:15 p.m.	Women in Weights & Measures	Bromley
1:00 p.m. – 2:15 p.m.	Safety Subcommittee	Shippen
2:30 p.m. – 3:45 p.m.	Cannabis Task Group	Reynolds
2:30 p.m. – 3:45 p.m.	Moisture Allowance Task Group	Bromley
2:30 p.m. – 3:45 p.m.	Training Planning Task Group	Shippen
<i>Last EVSE Event   East Coast   Fall 2026</i>		
4:00 p.m. – 5:00 p.m.	<b>Joint Committee Review</b>	Ballroom
5:30 p.m. – 7:00 p.m.	<b>NCWM Chair's Reception</b>	Hamilton

<b>Monday, July 27, 2026</b>		<b>Room</b>
7:00 a.m. – 8:30 a.m.	Light Breakfast	Grand Foyer
7:00 a.m. – 5:00 p.m.	Registration and Exhibits	Grand Foyer
8:00 a.m. – 8:30 a.m.	<b>New Attendee Orientation</b>	Ballroom
<b>Committee hearings will occur in the order presented below. Hearing times are not firm; when one committee finishes, the next committee will begin.</b>		
8:30 a.m. – 12:00 p.m.	<b>Official Session – Open Hearings</b> Presiding Officer: Matt Douglas, California Professional Development Committee Specifications and Tolerances Committee Laws and Regulations Committee NTEP Committee Board of Directors	Ballroom
12:00 p.m. – 1:30 p.m.	Lunch on Your Own	
1:30 p.m. – 5:00 p.m.	<b>Official Session – Open Hearings Continued</b>	Ballroom
1:30 p.m. – 5:00 p.m.	<b>Committee Work Sessions</b> Professional Development Committee Specifications and Tolerances Committee Laws and Regulations Committee Board of Directors / NTEP Committee	Reynolds Ballroom A Bromley Shippen

---

**Tuesday, July 28, 2026**


---

7:00 a.m. – 8:30 a.m.	Light Breakfast	Grand Foyer
7:00 a.m. – 5:00 p.m.	Registration and Exhibits	Grand Foyer

**Committee hearings will occur in the order presented below. Hearing times are not firm; when one committee finishes, the next committee will begin. Committee chairs reserve the right to group items and select their sequence for presentation on voting.**

8:00 a.m. – 9:45 a.m.	<b>Official Session – Open Hearings</b> (continued as necessary) Presiding Officer: Christina Osborn, Texas	Ballroom
-----------------------	--	----------

9:45 a.m. – 10:00 a.m.	Break	
------------------------	-------	--

10:00 a.m. – 12:00 p.m.	<b>General Session</b> Pledge of Allegiance and Invocation Chaplain: Scott Simmons, Retired Welcome Address Speaker: TBD Honorary President’s Address NIST Director NCWM Chair’s Address Speaker: Kevin Schnepf, NCWM Chair Awards Ceremony	Ballroom
-------------------------	--	----------

12:00 p.m. – 1:30 p.m.	Lunch on Your Own	
------------------------	-------------------	--

1:30 p.m. – 5:00 p.m.	<b>TESCO Factory Tour</b> A guided walk through TESCO's manufacturing and calibration areas, demonstrations of meter and EVSE testing equipment, and an overview of TESCO's solutions supporting weights & measures and utilities. <b>Advanced signup is required.</b>	<a href="#">Reserve your spot today!</a>
-----------------------	---	--

1:30 p.m. – 3:00 p.m.	<b>Technical Session: TBD</b>	Ballroom
-----------------------	-------------------------------	----------

1:30 p.m. – 5:00 p.m.	<b>Committee Work Sessions</b> Professional Development Committee Specifications and Tolerances Committee Laws and Regulations Committee Board of Directors / NTEP Committee	Reynolds Ballroom A Bromley Shippen
-----------------------	--	--

8:00 p.m.	<b>Addendum Sheets Available</b> ( <i>hardcopies</i> ) <i>Electronic copies are available earlier <a href="#">here</a> &amp; on our meeting app</i>	Grand Foyer
-----------	--	-------------

---

**Wednesday, July 29, 2026**


---

7:00 a.m. – 8:30 a.m.	Light Breakfast	Grand Foyer
7:00 a.m. – 3:00 p.m.	Registration and Exhibits	Grand Foyer
7:30 a.m. – 8:50 a.m.	Associate Membership Committee	Ballroom A
9:00 a.m. – 11:30 p.m.	<b>Regional Association Meetings</b>	
	Central Weights and Measures Association	Reynolds
	Northeastern Weights and Measures Association	Ballroom A
	Southern Weights and Measures Association	Bromley
	Western Weights and Measures Association	Shippen
11:30 p.m. – 1:00 p.m.	Lunch on Your Own	
12:45 p.m. – 1:00 p.m.	Delegates: report to the front for the voting device	Ballroom

**Committee chairs reserve the right to group items and select their sequence for presentation on voting. There will be no break between committee reports; registrants should plan to attend an entire Voting Session to ensure their presence when items of interest are likely to be under consideration.**

1:00 p.m. – 4:30 p.m.	<b>Voting Session</b>	Ballroom
	Presiding Officer: Sherry Turvey, Kansas	
	Parliamentarian: Chuck Corr, Retired	
	Professional Development Committee	
	Specifications and Tolerances Committee	
	Laws and Regulations Committee	
6:00 p.m. – 9:00 p.m.	<b>Special Event: Citizens Bank Park – Home of the Phillies</b>	
	<b>Meet in the hotel lobby at 5:30 p.m.</b>	
	An exclusive evening just for us – transportation, open bar, buffet dinner, time to soak in the magic of this legendary ballpark, and behind-the-scenes tours!	

## Schedule of Events

---

### Thursday, July 30, 2026

---

7:30 a.m. – 8:30 a.m.	Light Breakfast	Grand Foyer
7:30 a.m. – 10:00 a.m.	Registration and Exhibits	Grand Foyer

**Committee chairs reserve the right to group items and select their sequence for presentation on voting. There will be no break between committee reports; registrants should plan to attend an entire Voting Session to ensure their presence when items of interest are likely to be under consideration.**

9:00 a.m. – 12:00 p.m.	<b>Voting Session</b> (continued as necessary) Presiding Officer: Steve Timar, New York Parliamentarian: Chuck Corr, Retired NTEP Committee Board of Directors Nominating Committee <b>Closing Ceremony</b> Passing of the Gavel / New NCWM Chair's Address Benediction / Adjourn	Ballroom
------------------------	---	----------

*This agenda reflects the events officially sanctioned by NCWM. Any events outside those listed in the Council agenda are not sanctioned by NCWM.*

*No verbatim recordings using a device such as, but not limited to, an audio or video recorder, stenotype, or stenographer are allowed. Written reports will serve as the official record for meetings.*



## 2025-2026 Organization Chart

### NCWM Board of Directors

Office	Name	Affiliation	Term Ends
NCWM Chair	<u>Kevin Schnepf</u>	California	2026
NCWM Chair-Elect	Jason Flint	New Jersey	2026
NCWM Immediate Past Chair	Marc Paquette	Vermont	2026
Treasurer	Mahesh Albuquerque	Colorado	2026
Active Membership – Central	Daniel Walker	Ohio	2030
Active Membership - Western	Bill Striejewske	Nevada	2027
Active Membership - Southern	Paul Floyd	Louisiana	2028
Active Membership - Northeastern	Jim Willis	New York	2029
At-Large	Dr. Matthew Curran	Florida	2026
At-Large	Jason Glass	Kentucky	2028
Associate Membership	Ray Johnson	Fairbanks Scales	2028
Honorary NCWM President	Craig Burkhardt	NIST Acting Director	NA
Executive Director	Don Onwiler	NCWM	NA
Executive Secretary	Dr. Katrice Lipa	NIST, Office of Weights and Measures	NA
NTEP Administrator	Jeff Gibson	NCWM	NA
Measurement Canada Advisor	Erica Garnier	Measurement Canada	NA

### National Type Evaluation Program (NTEP) Committee

Office	Name	Affiliation	Term Ends
Committee Chair	<u>Marc Paquette</u>	Vermont	2026
NTEP Administrator	Jeff Gibson	NCWM	NA
Members	Kevin Schnepf	California	2027
	Jason Flint	New Jersey	2028
	Paul Floyd	Louisiana	2028
	Daniel Walker	Ohio	2030

### Finance Committee

Office	Name	Affiliation	Term Ends
Committee Chair	Jason Flint	New Jersey	2026
Nominated Chairman-Elect	TBD		2026
Treasurer	Mahesh Albuquerque	Colorado	2026
AMC Representative	Ray Johnson	Fairbanks Scales	2028
Executive Director	Don Onwiler	NCWM	NA

Organization Chart

**Laws and Regulations Committee (L&R)**

Office	Name	Affiliation	Term Ends
Chair	<u>Mauricio Mejia</u>	Florida	2026
Vice-Chair	Michael Peeler	New Jersey	2027
Members	Mike Harrington	Iowa	2028
	Austin Shepherd	San Diego County, CA	2029
	Jose Arriaga	Orange County, CA	2030
AMC Representative	Brent Price	Gilbarco	2028
Canadian Technical Advisor	Rowan Hemsing	Measurement Canada	NA
NIST Technical Advisors	John McGuire	NIST, Office of Weights and Measures	NA
	Loren Minnich	NIST, Office of Weights and Measures	NA
Committee Coordinator	Constantine Cotsoradis	NCWM	NA

**Professional Development Committee (PDC)**

Office	Name	Affiliation	Term Ends
Chair	<u>Scott Wagner</u>	Colorado	2026
Vice-Chair	Shane Ireland	Maine	2027
Members	Sherry Turvey	Kansas	2028
	Valerie Forbes	Delaware	2029
	Brent Ricks	Montana	2030
AMC Representative	Perry Lawton	TESCO	2028
Canadian Technical Advisor	Marie-Paul Vanasse	Measurement Canada	NA
Safety Liaison	John Satterlee	Abbott Laboratories	NA
NIST Liaison	Vacant	NIST, Office of Weights and Measures	NA
Professional Certification Coordinator	Jerry Buendel	Retired	NA

**Specifications and Tolerances Committee (S&T)**

Office	Name	Affiliation	Term Ends
Chair	<u>Mark Lovisa</u>	Louisiana	2028
Vice-Chair	Brett Willhite	Minnesota	2029
Members	Alison Wilkinson	Maryland	2026
	Scott Dolan	Vermont	2027
	Nathan Waldron	Nevada	2030
Canadian Technical Advisor	Éric Turcotte	Measurement Canada	NA
NIST Technical Advisors	Loren Minnich	NIST, Office of Weights and Measures	NA
	Juana Williams	NIST, Office of Weights and Measures	NA
NCWM Technical Advisors	Darrell Flocken	NCWM, NTEP Evaluator	NA
	Allen Katalinic	NCWM, NTEP Evaluator	NA
Committee Coordinator	Brian Terry	Arkansas	NA

**Nominating Committee**

Office	Name	Affiliation	Term Ends
Chair	<u>Marc Paquette</u>	Vermont	2026
Members	Bill Callaway	OWL Services	2026
	Konrad Crockford	North Dakota	2026
	Kurt Floren	Los Angeles County, CA	2026
	Valerie Forbes	Delaware	2026
	Frank Greene	Connecticut	2026
	Miland Kofford	Utah	2026

**Credentials Committee**

Office	Name	Affiliation	Term Ends
Chair	Lina Ng	Los Angeles County, CA	2026
Coordinator	Jeff Gibson	NCWM, NTEP Administrator	NA
Members	Kate Smetana	Colorado	2027
	Brian Terry	Arkansas	2028

**Appointed Officials**

Office	Name	Affiliation	Term Ends
Chaplain	Scott Simmons	Retired	2026
Parliamentarian	Chuck Corr	Retired	2026
Presiding Officers	Matt Douglas	California	2026
	Christina Osborn	Texas	2026
	Steve Timar	New York	2026
	Sherry Turvey	Kansas	2026
Sergeants-at-Arms	TBD	Pennsylvania	2026
	TBD	Pennsylvania	2026

**Associate Membership Committee (AMC)**

Office	Name	Affiliation	Term Ends
Chair	<u>Jim Pettinato</u>	Guidant Measurement	2026
Vice-Chair	Brent Price	Gilbarco	2026
Secretary/Treasurer	Reid Wagner	Growth Energy	2026
Members	David Boykin	NCR Corporation	2026
	Bill Callaway	OWL Services	2030
	Ray Johnson	Fairbanks Scales	2030
	Perry Lawton	TESCO	2030
	Bob Murnane	Seraphin Test Measure	2030
	Prentiss Searles	American Petroleum Institute	2030
	Christopher Wagner	National Propane Gas Association	2030

Organization Chart

**Fuels and Lubricants Subcommittee (FALS)**

Office	Name	Affiliation
Chair	<u>Vanessa Benchea</u>	Florida
Vice-Chairs	Ron Hayes	Retired
	Randy Jennings	Retired
Secretaries	Jennifer Green	CITGO
	Prentiss Searles	American Petroleum Institute
NIST Technical Advisors	John McGuire	NIST, Office of Weights and Measures
	Loren Minnich	NIST, Office of Weights and Measures
Public Sector Members	Mahesh Albuquerque	Colorado
	David Au	Georgia
	Stephen Benjamin	Retired
	David Deroche	Louisiana
	Uriel Fuentes	New Mexico
	Mike Harrington	Iowa
	Dr. Marcus Helfrich	North Carolina
	Megan McWayne	California
	Vernon Miller	Nevada
	Kevin Schnepf	California
	Bill Striejewske	Nevada
	Dr. Jenny Tabbert	Colorado
	Kevin Upschulte	Missouri
	Timothy White	Michigan
Private Sector Members	Holly Alfano	Independent Lubricant Manufacturers Association
	Teresa Alleman	Holly Energy
	Scott Boorse	PEI
	Chuck Corr	Retired
	Scott Fenwick	Clean Fuels Alliance America
	Marilyn Herman	Herman and Associates
	Joanna Johnson	Johnson Policy Associates
	Brian Kernke	Love's Travel Stops
	David A. Kovach	BP Products
	Michael Kunselman	Center for Quality Assurance
	Robert Legg	Southwest Research
	Russ Lewis	Marathon Petroleum
	Kristy Moore	KMoore Consulting
	Jeanelle Morris	Navistar
	Tamara Paik	Marathon Petroleum
	Jim Rocco	Energy Marketers of America
Matthew Sheehan	Chevron U.S.A.	
Reid Wagner	Growth Energy	
Advisory Member	Curtis Williams	Retired

**Member Education and Mentorship Subcommittee**

Office	Name	Affiliation
Chair	<u>Brian Fuller</u>	Iowa
Public Sector Members	Cheryl Ayer	New Hampshire
	Ethan Bogren	Westchester County, NY
	Scott Ferguson	Michigan
	Dave Finck	Ohio
	Paul Floyd	Louisiana
	Valerie Forbes	Delaware
	Miland Kofford	Utah
	Christina Osborn	Texas
	Brent Ricks	Montana
	Brian Terry	Arkansas
	Jim Willis	New York
Private Sector Members	Jerry Buendel	Retired
	Chuck Corr	Retired
	Scott Fenwick	Clean Fuels Alliance America
	Bob Murnane	Seraphin Test Measure

**Metrology Subcommittee**

Office	Name	Affiliation
Chair	<u>Frank Greene</u>	Connecticut
Co-Chair	Lisa Corn	Texas
NIST Technical Advisor	Micheal Hicks	NIST, Office of Weights and Measures
Public Sector Members	Whitney Corley	Louisiana
	Scott Dolan	Vermont
	David Fraser	Montana
	Leslie German	Washington
	James Kellames	Nevada
	Lina Ng	Los Angeles County, CA
	Marc Paquette	Vermont
	Kiara Riske	Nevada
	Kate Smetana	Colorado
	Bill Striejewske	Nevada
Daniel Walker	Ohio	

**Packaging and Labeling Subcommittee (PALS)**

Office	Name	Affiliation
Chair	<u>Chris Guay</u>	Retired
NIST Technical Advisor	John McGuire	NIST, Office of Weights and Measures
Public Sector Member	Cheryl Ayer	New Hampshire
	Allison Dumas	Louisiana
	Chad Pilie	Arizona
	Eric Rauch	Iowa
	Michael Smith	New York
Advisory Sector Members	Krister Hard af Segerstad	Retired
	Zina Juroch	Retired

Organization Chart

**Safety Subcommittee**

Office	Name	Affiliation
Chair	<u>John Satterlee</u>	Abbott Laboratories
Public Sector Members	John Bell	Missouri
	David Fraser	Montana
	Michael Peeler	New Jersey
Private Sector Members	Bill Callaway	OWL Services
	Robert LaGasse	Mulch and Soil Council
	Christopher Wagner	National Propane Gas Association

**Women in Weights and Measures Subcommittee**

Office	Name	Affiliation
Chair	<u>Cheryl Ayer</u>	New Hampshire
Co-Chair	Brandi Harder	Rice Lake Weighing Systems
Public Sector Members	Vanessa Benchea	Florida
	Teri Berken	Louisiana
	Nathalie Campeau	Measurement Canada
	Joanna Cartee	Georgia
	Heather Chappell	Tompkins County, NY
	Roxanne Chepsongol	New Mexico
	Delia Cioc	Riverside County, CA
	Whitney Corley	Louisiana
	Melissa Cregan	Fresno County, CA
	Allison Dumas	Louisiana
	Valerie Forbes	Delaware
	Erica Garnier	Measurement Canada
	Elaine Grillo	City of Boston, MA
	Sabine Koerner	Louisiana
	Samantha Lange	Wisconsin
	Lauren Lee	Michigan
	Misael Martinez	Riverside County, CA
	Michelle McCulley	Maryland
	Vanessa Miles	Louisiana
	Lina Ng	Los Angeles County, CA
	Christina Osborn	Texas
	Cheryll Parker	USDA
	Amanda Perez	New Mexico
	Cathy Roach	Alameda County, CA
	Julia Schilpp	Missouri
	Kate Smetana	Colorado
	Dr. Jenny Tabbert	Colorado
	Isabelle Tremblay	Measurement Canada
	Annie Tsou	Los Angeles County, CA
	Sherry Turvey	Kansas
	Marie-Paul Vanasse	Measurement Canada
	Alison Wilkinson	Maryland
Private Sector Members	Nicole Byndas	Marathon Petroleum Company
	Tina Butcher	Retired
	Christie Cordova	Georgia-Pacific Wood Products
	Courtney Ferguson	OWL Services
	Jessica Ferree	Mettler-Toledo
	Marilyn Herman	Herman and Associates
	Jennifer Hopes	USDA/AMS/FTPP Packers and Stockyards Div.

## Cannabis Task Group

Office	Name	Affiliation
Chair	<u>Evan Foisy</u>	A&D Engineering
Public Sector Members	Brad Bachelder	Maine
	Kipp Blauer	Nevada
	Ethan Bogren	Westchester County, NY
	James Cassidy	Retired
	Mark Ciociolo	City of Worcester, MA
	Dr. Matthew Curran	Florida
	Jason Flint	New Jersey
	Kurt Floren	Los Angeles County, CA
	Frank Greene	Connecticut
	Elaine Grillo	City of Boston, MA
	Ivan Hankins	Iowa
	Mike Harrington	Iowa
	Robert Huff	Delaware
	Mauricio Mejia	Florida
	Angel Nazario	City of Boston, MA
	Bill Rigby	Utah
	Louis Sakin	Towns of Holliston, Hopkinton, Northbridge, MA
	Kate Smetana	Colorado
	Dedrick Stephens	City of Cleveland, OH
	Ron Valinski	City of Worcester, MA
Craig VanBuren	Michigan	
Jim Willis	New York	
Aaron Yanker	Colorado	
Private Sector Members	Michael Bronstein	ATACH
	Brian Duncan	Field Laboratory Seven
	Evan Foisy	A&D Engineering
	Chris Guay	Retired
	Joanna Johnson	Johnson Policy Associates
	Chuck Olivier	DBS
	Ben Raham	WIPOTEC-OCS

Organization Chart

**EVSE Task Group**

Office	Name	Affiliation
Chair	<u>Scott Dolan</u>	Vermont
Co-Chair	Alison Wilkinson	Maryland
NCWM Technical Advisor	Jeff Gibson	NCWM, NTEP Administrator
NIST Technical Advisor	Loren Minnich	NIST, Office of Weights and Measures
Public Sector Members	Mahesh Albuquerque	Colorado
	Jose Arriaga	Orange County, California
	Matt Douglas	California
	Jason Flint	New Jersey
	Brian Fuller	Iowa
	Sumner Kuehne	Vermont
	John Lee	New York
	Joseph Lundeen	San Bernadino County, California
	Dave Rodrigues	Massachusetts
	Nick Santori	Minnesota
Private Sector Members	Austin Shepherd	San Diego County, California
	Bill Callaway	OWL Services
	Isaac Carrera	EV Test Solutions
	Josh Cohen	Swtch
	Steve Griffith	NEMA
	Michael Krauthamer	EV Advisor
	Perry Lawton	TESCO Metering
	Mal Skowron	Tesla
	Justin Wilson	ChargePoint
	Danny Zepeda	True Charge

**LMD Density Correction Task Group**

Office	Name	Affiliation
Chair	Andrew Montanye	Nebraska
Vice-Chair	Alison Wilkinson	Maryland
NCWM Technical Advisor	Allen Katalinic	NCWM, NTEP Evaluator
NIST Technical Advisors	John McGuire	NIST, Office of Weights and Measures
	Loren Minnich	NIST, Office of Weights and Measures
Public Sector Members	Marcus Belshe	Missouri
	Steve Carter	Illinois
	Konrad Crockford	North Dakota
	Scott Miller	Illinois
	Eric Rauch	Iowa
	Sherry Turvey	Kansas
	Scott Wagner	Colorado
	Brett Willhite	Minnesota
	Jim Willis	New York
Private Sector Members	Jim Pettinato	Guidant Measurement
	Prentiss Searles	API
Advisory Members	Chuck Corr	Retired
	Randy Jennings	Retired
	Scott Simmons	Retired

**LPG Temperature Compensation Task Group**

Office	Name	Affiliation
Chair	<u>Christopher Wagner</u>	NPGA
Public Sector Members	Tory Brewer	West Virginia
	Mike Brooks	Arizona
	Matt Douglas	California
	Scott Wagner	Colorado
	Kristin Walter	Arkansas
	Jim Willis	New York
Advisory Member	Scott Simmons	Retired

**Training Planning Task Group**

Office	Name	Affiliation
Chair	<u>Mahesh Albuquerque</u>	Colorado
NCWM	Danyelle Dolan	NCWM, Project Coordinator
	Jeff Gibson	NCWM, NTEP Administrator
	Elisa Stritt	NCWM, Director of Operations
Board of Directors	Kevin Schnepf	California
	Daniel Walker	Ohio
NIST	Dr. Katrice Lippa	NIST, Office of Weights and Measures
	David Sefcik	NIST, Office of Weights and Measures
	Mike Stocker	NIST, Office of Weights and Measures
Associate Membership Committee	Bill Callaway	OWL Services
Professional Development Committee	Ethan Bogren	Westchester County, NY
	Perry Lawton	TESCO
EV Industry	Courtney Ferguson	OWL Services
	Steve Griffith	NEMA
	Mal Skowron	Tesla
	Justin Wilson	ChargePoint

**Fraud Prevention and Education Task Group**

Office	Name	Affiliation
Chair	<u>Alan Walker</u>	Florida
Co-Chair	Matthew Williams	Texas
Public Sector Members	Paul Floyd	Louisiana
	Mike Harrington	Iowa
	Robert Huff	Delaware
	Michael Kelly	Westchester County, NY
	John Larkin	California
	John McGuire	NIST, Office of Weights and Measures
	Michael Peeler	New Jersey
Private Sector Members	Scott Boorse	PEI
	Brent Price	Gilbarco
	Mike Roach	PDI
	Scott Schober	Berkley Varitronics Systems

Organization Chart

**Milk Meter Tolerance Task Group**

Office	Name	Affiliation
Chair	<u>Aaron Yanker</u>	Colorado
NTEP Technical Advisor	Allen Katalinic	NCWM, NTEP Evaluator
NIST Technical Advisor	G. Diane Lee	NIST, Office of Weights and Measures
Canadian Technical Advisor	Éric Turcotte	Measurement Canada
Public Sector Members	Mitchell Marsalis	Louisiana
	Joel Northrop	USDA
	Jim Willis	New York

**Moisture Allowance Task Group**

Office	Name	Affiliation
Chair	<u>Tory Brewer</u>	West Virginia
NIST Technical Advisor	John McGuire	NIST, Office of Weights and Measures
Public Sector Member	Lisa Corn	Texas
	Kurt Floren	Los Angeles County, CA
	Joseph Smith	Wisconsin
	Steve Timar	New York
	Craig VanBuren	Michigan
	Ken Vehrken	New Jersey

**NCWM Standards Development Task Group**

Office	Name	Affiliation
Chair	<u>Jason Flint</u>	New Jersey
Industry Representative	Chuck Corr	Retired
SWMA Representative	Matt Curran	Florida
WWMA Representative	Kurt Floren	Los Angeles County, CA
CWMA Representative	Mike Harrington	Iowa
NIST OWM Representative	John McGuire	NIST, Office of Weights and Measures
NCWM Representative	Don Onwiler	NCWM

**Policy and Bylaw Review Task Group**

Office	Name	Affiliation
Chair	<u>Chuck Corr</u>	Retired
Executive Director	Don Onwiler	NCWM
Public Sector Member	Mahesh Albuquerque	Colorado
	Bill Striejewske	Nevada
Private Sector Members	Chris Guay	Retired

**Transportation-for-Hire Systems Task Group**

Office	Name	Affiliation
Chair	<u>Mark Lovisa</u>	Louisiana
NTEP Technical Advisor	Jeff Gibson	NCWM, NTEP Administrator
NIST Technical Advisor	John McGuire	NIST, Office of Weights and Measures
Public Sector Members	Sean Bouffiou	King County, WA
	Katrina Eberly	New Jersey
	Cregan Newhouse	City of Seattle, WA
	Michael Peeler	New Jersey

## Uniform Shipment Law Task Group

Office	Name	Affiliation
Chair	<u>Miland Kofford</u>	Utah
NIST Technical Advisor	John McGuire	NIST, Office of Weights and Measures
Canadian Technical Advisor	Nathalie Campeau	Measurement Canada
Public Sector Members	Cheryl Ayer	New Hampshire
	John Dillabaugh	Pennsylvania
	Rowan Hemsing	Measurement Canada
	Robert Meadows	Kansas
	Erik Stanton	New Hampshire
	Ken Vehrkens	New Jersey
Private Sector Member	Lance Arbogast	XPOLogistics
	Steven Chapman	XPOLogistics
	Karen Claussen	Heatlines
	Jeff Cooper	NMFTA
	James Hannum	Subject Matter Specialist
	Victor Mata	NMFTA
	Marty Netzel	ABF Freight
	Mitchell Tuss	XPOLogistics

## WIM Vehicle Scale Task Group

Office	Name	Affiliation
Chair	<u>Jim Willis</u>	New York
Public Sector Members	Tory Brewer	West Virginia
	Jason Flint	New Jersey
	Paul Floyd	Louisiana
	Mike Harrington	Iowa
	Robert Huff	Delaware
	Chad Parker	North Carolina
	Kristin Walter	Arkansas
	Alison Wilkinson	Maryland
Private Sector Member	Kiel Klasing	Kistler Instrument Corporation

## NTEP Grain Analyzer Sector

Office	Name	Affiliation
Chair	<u>Jimmy Williams</u>	Missouri
NTEP Technical Advisors	Jeff Gibson	NCWM, NTEP Administrator
	Brian Maser	NCWM, NTEP Evaluator
NIST Technical Advisor	G. Diane Lee	NIST, Office of Weights and Measures
Public Sector Members	Steve Carter	Illinois
	Ivan Hankins	Iowa
	Jeffrey Vanfossan	USDA
	Robert Meadows	Kansas
	Loren Minnich	NIST, Office of Weights and Measures
	Kate Smetana	Colorado
	Stephanie Somers	Illinois
Private Sector Members	Jeffrey Adkisson	Grain and Feed Association of Illinois
	Rachel Beiswenger	TSI Incorporated
	Casey Frakes	The Steinlite Corporation
	Charles Hurburgh, Jr.	Iowa State University
	Jess McCluer	National Grain and Feed Association
Advisory Member	Cassie Eigenmann	Retired

Organization Chart

**NTEP Measuring Sector**

Office	Name	Affiliation
Chair	<u>Brent Price</u>	Gilbarco
NTEP Technical Advisors	Allen Katalinic	NCWM, NTEP Evaluator
	Jeff Gibson	NCWM, NTEP Administrator
NIST Technical Advisor	G. Diane Lee	NIST, Office of Weights and Measures
Public Sector Members	Steve Carter	Illinois
	Lucia D’Ulivo	Measurement Canada
	Alison Wilkinson	Maryland
	Jack Witt	California
Private Sector Members	Steve Bar	Bennett Pump Company
	Lyle Baron	Fill-Rite
	Craig Cavanaugh	Tuthill Transfer Systems
	Rodney Cooper	Consultant
	Rick Costa	Wingfield Scale Company
	Treyton Drake	Advanced Flow Solutions dba Corken
	Ronnell Gallon	Zenner Performance Meters
	John Hathaway	Murray Equipment
	Dmitri Karimov	Liquid Controls
	Michael Keilty	Endress + Hauser Flowtec AG, USA
	Douglas Long	RDM Industrial Electronics
	Mark McMurtrey	Wayne Fueling Systems
	Richard Miller	Guidant Measurement
	Andre Noel	Neptune Technology Group
	Robin Parsons	Parafour Innovations
Jim Pettinato	Guidant Measurement	

**NTEP Software Sector**

Office	Name	Affiliation
Chair	<u>Jim Pettinato</u>	Guidant Measurement
NTEP Technical Advisors	Jeff Gibson	NCWM, NTEP Administrator
	Brian Maser	NCWM, NTEP Evaluator
NIST Technical Advisor	Jan Konijnenburg	NIST, Office of Weights and Measures
Secretary	Teri Gulke	Liquid Controls
Public Sector Members	Tom Buck	Ohio
	Jeremy Coffey	Ohio
	Barry Stone	Ohio
	Jack Witt	California
Private Sector Members	Mary Abens	Emerson Process Management
	Rick Costa	Wingfield Scale Company
	Kevin Detert	Avery Weigh-Tronix
	Dion Harste	AgCode
	Chip Manuel	Instacart
	Dominic Meyer	KSi Conveyors
	Matt Miller	4DMobile
	Richard Miller	Guidant Measurement
	Chris Oldham	7-Eleven
	Mike Roach	PDI
	David Vande Berg	Vande Berg Scales
	John Wind	Ossid
Kraig Wooddell	Hobart	

**NTEP Weighing Sector**

Office	Name	Affiliation
Chair	<u>Jessica Ferree</u>	Mettler-Toledo
NTEP Technical Advisor	Jeff Gibson	NCWM, NTEP Administrator
	Brian Maser	NCWM, NTEP Evaluator
NIST Technical Advisor	Jan Konijnenburg	NIST, Office of Weights and Measures
Public Sector Members	Tom Buck	Ohio
	Kevin Chesnutwood	NIST, Mass and Force Group
	Robert Meadows	Kansas
	Loren Minnich	NIST, Office of Weights and Measures
	Barry Stone	Ohio
	Pascal Turgeon	Measurement Canada
Private Sector Members	Steven Beitzel	Systems Associates
	Rick Costa	Wingfield Scale Company
	Scott Davidson	Mettler-Toledo
	Tom Dorward	Mettler Toledo North America
	Andrew Goddard	Marel
	Brandi Harder	Rice Lake Weighing Systems
	Jon Heinlein	Transcell Technology
	Scott Henry	Zebra Technologies
	Sam Jalahej	Totalcomp
	Chip Manuel	Instacart
	Ben Raham	OCS Checkweighers
	Thomas Schuller	Cardinal Scale Manufacturing Company
	Wes Strawn	Red Seal Measurement
	John Wind	Ossid
Advisory Members	Robert Feezor	Retired
	Edward Luthy	Retired

**NTEP EVSE Work Group**

Office	Name	Affiliation
Chair	<u>Andrei Moldoveanu</u>	NEMA
NTEP Technical Advisor	Jeff Gibson	NCWM, NTEP Administrator
NIST Technical Advisor	Juana Williams	NIST, Office of Weights and Measures
Public Sector Members	Tom Buck	Ohio
	Alison Wilkinson	Maryland
	Jack Witt	California
Private Sector Members	Craig Denson	DENT Instruments
	William Hardy	Retired
	Michael Krauthamer	Alliance for Transportation Electrification
	Dave Parmelee	Control Module
	Ernesto Ventura	EVWM
	Francesca Wahl	Tesla

Organization Chart

**NTEP MDMD Work Group**

Office	Name	Affiliation
Chair	Chris Senneff	Avery Weigh-Tronix
NTEP Technical Advisors	Jeff Gibson	NCWM, NTEP Administrator
NIST Technical Advisor	Loren Minnich	NIST , Office of Weights and Measures
Canadian Technical Advisors	Joshua Foster	Measurement Canada
	Pascal Turgeon	Measurement Canada
Public Sector Member	Tom Buck	Ohio
Private Sector Members	Sprague Ackley	Digimarc
	Jeff Cooper	National Motor Freight Traffic Association
	Rick Costa	Wingfield Scale Company
	Scott Davidson	Mettler-Toledo
	Brandi Harder	Rice Lake Weighing Systems
	Scott Henry	Zebra Technologies
	Robert Kennington	Cubiscan
	John Lawn	Rice Lake Weighing Systems
	Matt Miller	4DMobile
	Sameer Parmar	SICK
	Phil Peterson	SICK
	Joe Rickey	Rice Lake Weighing Systems
	Tony Romeo	Datalogic
	Adrian Ruthe	Loadscan
	Raghavendra Tenkasi Shankar	Zebra Technologies
	Michael Stutler	UPS
	Richard Suiter	Richard Suiter Consulting
Matthew Walz	Walz Scale	
Scott Wiggington	UPS	

**Northeastern Weights and Measures Association (NEWMA)**[www.newma.us](http://www.newma.us)

<b>States</b>	Connecticut Maine Massachusetts	New Hampshire New Jersey New York	Pennsylvania Puerto Rico Rhode Island	Vermont
<b>Contact</b>	Steve Timar State of New York		845-437-5150 <a href="mailto:steve.timar@agriculture.ny.gov">steve.timar@agriculture.ny.gov</a>	
<b>Interim Meeting</b>	October 5 <sup>th</sup> – 7 <sup>th</sup> , 2026		Galloway, New Jersey	
<b>Annual Meeting</b>	April 26 <sup>th</sup> – 29 <sup>th</sup> , 2027		New Hampshire	

**Central Weights and Measures Association (CWMA)**[www.cwma.net](http://www.cwma.net)

<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		785-564-6682 <a href="mailto:sherry.turvey@ks.gov">sherry.turvey@ks.gov</a>	
<b>Interim Meeting</b>	TBD		TBD	
<b>Annual Meeting</b>	TBD		TBD	

**Western Weights and Measures Association (WWMA)**[www.westernwma.org](http://www.westernwma.org)

<b>States</b>	Alaska Arizona California	Colorado Hawaii Idaho	Montana Nevada New Mexico	Oregon Utah Washington	Wyoming
<b>Contact</b>	Mike Brooks Arizona Department of Agriculture, Weights and Measures Service Division		602-920-4202 <a href="mailto:mbrooks@azda.gov">mbrooks@azda.gov</a>		
<b>Annual Meeting</b>	September 20 <sup>th</sup> – 24 <sup>th</sup> , 2026		Portland, Oregon		

**Southern Weights and Measures Association (SWMA)**[www.swma.org](http://www.swma.org)

<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>	Valerie Forbes Delaware Department of Agriculture		302-698-4602 <a href="mailto:valerie.forbes@delaware.gov">valerie.forbes@delaware.gov</a>			
<b>Annual Meeting</b>	October 24 <sup>th</sup> – 28 <sup>th</sup> , 2026		Atlanta, Georgia			

## Organization Chart

---

**Past Chairmen**


---

<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

---

**Past Chairmen**


---

<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

---

**Past Chairmen**


---

<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
104 <sup>th</sup>	2019	Milwaukee, WI	Brett Gurney	Utah
105 <sup>th</sup>	2020	Lansing, MI	Craig VanBuren	Michigan
106 <sup>th</sup>	2021	Rochester, NY	Hal Prince	Florida
107 <sup>th</sup>	2022	Tacoma, WA	Ivan Hankins	Iowa
108 <sup>th</sup>	2023	Norfolk, VA	Mahesh Albuquerque	Colorado
109 <sup>th</sup>	2024	Cleveland, OH	Gene Robertson	Mississippi
110 <sup>th</sup>	2025	Reno, NV	Marc Paquette	Vermont



## General Information

### PURPOSE

NCWM meetings are held throughout the year to develop the national standards that are adopted by NCWM and published in *Handbooks 44, 130, and 133*. At the Annual Meeting, Committees will conduct Open Hearings during which all attendees can offer comments on items printed in the Committee Interim Agendas. Following Open Hearings, the Committees will convene in work sessions to prepare addendum sheets that modify their reports. Items given voting status by the Committees will be presented during the Voting Sessions on Wednesday and Thursday. Active members in attendance may vote on Committee recommendations to amend the national standards.

### SUPPORTING DOCUMENTS

Additional letters, presentations and data may have been part of the committee's consideration. Please refer to [www.ncwm.com/publication-16](http://www.ncwm.com/publication-16) to review these documents.

### ITEMS GROUPED INTO BLOCKS

The Committee may group related items into blocks for consideration as a group. This provides for more efficient open hearings and voting sessions since each item within a block is not presented individually.

### DESIGNATION OF ITEM STATUS

The Committee Interim Reports contain recommendations and information on items discussed during the 2026 NCWM Interim Meeting held January 11 - 14, 2026 at Mobile, Alabama. These reports form the basis for the conduct of the committee meetings. Each Committee will address items in its report during Open Hearings.

The status of each item contained in the Committee Interim Reports is designated as one of the following:

**Voting Item:** The item is designated with a "V" to indicate the Committee is making recommendations requiring a vote by the active members of NCWM. The recommended language to be voted on is in **bold face type**.

**Informational Item:** The item is designated with an "I" to indicate the item is under consideration by the Committee but not proposed for Voting.

**Assigned Item:** The item is designated with an "A" to indicate the item has merit; however, the item was assigned to a task group or subcommittee for further development, and the Committee will wait for a recommendation from that group before taking any further action on the item.

**Developing Item:** The item is designated with a "D" to indicate that it has merit; however, the item was returned to the submitter or other designated party for further development before any action can be taken at the national level.

**Withdrawn Item:** The item is designated with a "W" to indicate the item has been removed from consideration by the Committee.

Some Voting Items are considered individually; others may be grouped in a consent calendar. Consent calendar items are Voting Items that the committee has assembled as a single Voting Item during their deliberation after the Open Hearings on the assumption that the items are without opposition and will not require discussion. The Voting Items that have been grouped into consent calendar items will be listed on the addendum sheets, which are published during the week. Prior to adopting the consent calendar, the committee will entertain any requests from the floor to remove specific items from the consent calendar for individual discussion and voting.

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

## **ADDENDUM SHEETS**

Modifications to the Committee Interim Reports will be documented in addendum sheets prepared by the committees following the Open Hearings. The addendum sheets will be made available to attendees no later than 8:00 p.m. on Tuesday, July 28<sup>th</sup>, 2026, in the registration area. Committee Interim Reports may be further modified as a result of actions taken by the Committee or membership during the Voting Session on Wednesday, July 29<sup>th</sup>, 2026.

## **VOTING SYSTEM**

All registered attendees may speak to the issues on the "floor", both business and technical items. However, the adoption of final reports of Committees on technical issues, as well as other technical issues, is to be decided by a formal vote of the active members in accordance with the following voting structures and procedures. Please see NCWM Bylaws at [www.ncwm.com/policy-bylaws](http://www.ncwm.com/policy-bylaws) for a complete description of the voting system.

### **House of State Representatives:**

This body comprises one active member from each state, officially designated as its representative and registered for the Annual Meeting. They will vote on:

- all business items relating to NCWM, Inc.
- technical questions before the Corporation, including reports and recommendations of all Standing Committees.
- technical items relating to weights and measures; technical handbooks; and legal metrology.

Members of this house are identified by a maroon name tag ribbon with the word "Representative."

### **House of Delegates:**

This body comprises all other Active members registered for the Annual Meeting and those not "seated" in the House of State Representatives. They will vote on:

- all business items relating to NCWM, Inc.
- technical questions before the Corporation, including reports and recommendations of all Standing Committees.
- technical items relating to weights and measures; technical handbooks; and legal metrology.

Members of this house are identified by a blue name tag ribbon with the word "Delegate."

## General Information

### **House of General Membership:**

This body comprises associate and advisory members registered for the Annual Meeting. They shall vote on all business items relating to NCWM, Inc.

## **WRITTEN COMMENTS OR ORAL STATEMENTS**

Any person or organization wishing to provide a formal presentation during a committee session should submit a written request to the Executive Director. Reasonable time limitations for presentations will be imposed. *Note: Only registered attendees may make presentations.*

National Council on Weights and Measures  
Attn: Don Onwiler, Executive Director  
9011 South 83<sup>rd</sup> Street | Lincoln, Nebraska 68516  
402-434-4880, [don.onwiler@ncwm.com](mailto:don.onwiler@ncwm.com)

## **PARTICIPATION**

All sessions are open to registered meeting attendees. 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 if:

1. The 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 possible, the posting will be made at least a day before 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 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 Annual Meeting. Each committee will prepare its annual report, containing recommendations based on the presentations, discussions, and deliberations on all matters in its interim report that were addressed during the Annual Meeting. These reports will be published in the *Report of the 111<sup>th</sup> Annual Meeting of the National Council on Weights and Measures*, to be posted online at [www.ncwm.com](http://www.ncwm.com). Electronic copies of the *Report of the 111<sup>th</sup> Annual Meeting of the National Council on Weights and Measures* will be distributed to all members of NCWM. Other interested parties may request a copy of the publication from the Executive Director.

National Council on Weights and Measures  
Attn: Don Onwiler, Executive Director  
402-434-4880, [don.onwiler@ncwm.com](mailto:don.onwiler@ncwm.com)

## **INTERIM MEETING**

The 2027 NCWM Interim Meeting will be held:  
Redondo Beach, California / January 24<sup>th</sup> – 27<sup>th</sup>, 2027

## **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 only in inch-pound units.