

**N C W M  
PUBLICATION**

**16**

**COMMITTEE REPORTS  
FOR THE 99<sup>TH</sup>  
ANNUAL MEETING**

**Detroit, Michigan / July 13-17, 2014**

*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 Annual 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.





**In the Motor City - *"Meeting Tomorrow's Challenges Today!"***

Hi every one and welcome to Detroit and to the 99<sup>th</sup> Annual Meeting of the National Conference on Weights and Measures. Every July, NCWM's Annual Meeting brings together all the conference's members; regulatory officials and industry representatives from all 4 of the regions (Northeast, Southern, Central and Western), and officials from the federal government and Canada. Everyone is here to finish the great work of the Conference's 99<sup>th</sup> Annual Meeting and to prepare for its 100<sup>th</sup> Annual Meeting.

This year the Conference's committee agendas are carefully crafted, challenging and full of items that represent our ever changing marketplace. At least four subcommittees and task groups (Fuels and Lubricant Sub Committee, Natural Gas Steering Committee, Packaging and Labeling Task Group, and the Tool Kit Group) plan to meet. We have scheduled sessions both in the morning and afternoon on Sunday July 13. Take the time to sit in on Sunday's sessions.

Besides the important business of the conference, Detroit has plenty to offer everyone. Think about the great museums and the rebounding auto industry. And that Mo-Town sound. Our Wednesday night special event is an evening at the Henry Ford Museum!

*"Yeah, don't forget the Motor City  
(Can't forget the Motor City)"  
There'll be dancin'  
They're dancin' in the streets*

**Martha and The Vandellas - Dancing In The Streets**

Your attendance is greatly appreciated; your participation is truly welcomed.

All the best!

A handwritten signature in black ink that reads "John P. Gaccione". The signature is written in a cursive style with a large, stylized initial 'J'.

John Gaccione  
NCWM Chairman



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\*Additional letters, presentations and data may have been part of the S&T consideration.  
Please refer to [www.ncwm.net/meetings/annual/publication-16](http://www.ncwm.net/meetings/annual/publication-16) to review these documents.

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\*Additional letters, presentations and data may have been part of the PDC consideration.  
Please refer to [www.ncwm.net/meetings/annual/publication-16](http://www.ncwm.net/meetings/annual/publication-16) to review these documents.

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\*Additional letters, presentations and data may have been part of the NTEP consideration.  
Please refer to [www.ncwm.net/meetings/annual/publication-16](http://www.ncwm.net/meetings/annual/publication-16) to review these documents.

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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. 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.*

<b>Saturday, July 12, 2014</b>		
<b>8:30 a.m. – 5:00 p.m.</b>	<b>NCWM Board of Directors Meeting</b> Chair Mr. John Gaccione, Westchester County New York	<b>Esquire: 3<sup>rd</sup> Floor</b>
<b>Sunday, July 13, 2014</b>		
<b>9:00 a.m. – 11:30 a.m.</b>	<b>Natural Gas Steering Committee</b> Chair Mr. Mahesh Albuquerque, Colorado	<b>Woodward C: 2<sup>nd</sup> Floor</b>
<b>9:00 a.m. – 11:30 a.m.</b>	<b>Multi-Point Calibration Task Group</b> Chair Ms. Julie Quinn, Minnesota	<b>Woodward D: 2<sup>nd</sup> Floor</b>
<b>11:00 a.m. – 5:00 p.m.</b>	<b>Registration and Exhibits</b>	<b>Woodward Pre-function: 2<sup>nd</sup> Floor Crystal Ballroom: 4<sup>th</sup> Floor</b>
<b>11:30 a.m. – 12:45 p.m.</b>	<b>Welcome Luncheon for New Attendees</b>	
<b>1:00 p.m. – 1:30 p.m.</b>	<b>Joint Meeting – All Standing Committees</b>	<b>Woodward A: 2<sup>nd</sup> Floor</b>
<b>1:30 p.m. – 4:00 p.m.</b>	<b>Meter Manufacturers Association</b>	<b>Esquire: 3<sup>rd</sup> Floor</b>
<b>1:30 p.m. – 4:00 p.m.</b>	<b>Packaging and Labeling Subcommittee</b> Chair Mr. Christopher Guay, Procter and Gamble, Co.	<b>Woodward D: 2<sup>nd</sup> Floor</b>
<b>1:30 p.m. – 4:00 p.m.</b>	<b>Promotional Tool Kit Task Group</b> Chair Mr. Stephen Benjamin, North Carolina	<b>Founders: 3<sup>rd</sup> Floor</b>
<b>1:30 p.m. – 4:00 p.m.</b>	<b>Fuels and Lubricants Subcommittee</b> Chair Dr. Matthew Curran, Florida	<b>Woodward B: 2<sup>nd</sup> Floor</b>
<b>4:00 p.m. – 5:00 p.m.</b>	<b>Standing Committee's Agenda Review</b>	
	Specifications and Tolerances Committee Committee Chair Mr. Brett Gurney, Utah	<b>Woodward B: 2<sup>nd</sup> Floor</b>
	Laws and Regulations Committee Committee Chair Mr. Raymond Johnson, New Mexico	<b>Woodward C: 2<sup>nd</sup> Floor</b>
	Professional Development Committee Committee Chair Mr. Dale Saunders, Virginia	<b>Woodward D: 2<sup>nd</sup> Floor</b>
	NTEP Committee Committee Chair Mr. Stephen Benjamin, North Carolina	<b>Founders: 3<sup>rd</sup> Floor</b>

Schedule of Events

	Board of Directors Chairman Mr. John Gaccione, Westchester County New York	<b>Founders: 3<sup>rd</sup> Floor</b>
<b>5:30 p.m. – 7:00 p.m.</b>	<b>Chairman’s Reception</b>	<b>Venetian Ballroom: 4<sup>th</sup> Floor</b>
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<b>Monday, July 14, 2014</b>		
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7:00 a.m. – 9:00 a.m.	Light Breakfast	<b>Woodward Pre-function: 2<sup>nd</sup> Floor</b>
7:00 a.m. – 5:00 p.m.	Registration and Exhibits	<b>Woodward Pre-function: 2<sup>nd</sup> Floor</b>
<b>8:30 a.m. – 5:00 p.m.</b>	<b>Official Session – Open Hearings</b> Presiding Officer Mr. Jack Walsh, Town of Wellesley Specifications and Tolerances Committee Committee Chair Mr. Brett Gurney, Utah Laws and Regulations Committee Committee Chair Mr. Raymond Johnson, New Mexico Professional Development Committee Committee Chair Mr. Dale Saunders, Virginia NTEP Committee Committee Chair Mr. Stephen Benjamin, North Carolina Board of Directors Chairman Mr. John Gaccione, Westchester County, NY	<b>Woodward AB: 2<sup>nd</sup> Flr.</b>
12:00 p.m. – 1:30 p.m.	Lunch on Your Own	
<b>1:30 p.m. – 5:00 p.m.</b>	<b>Official Session – Open Hearings Continued</b>	.
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<b>Tuesday, July 15, 2014</b>		
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7:00 a.m. – 9:00 a.m.	Light Breakfast	<b>Woodward Pre-function: 2<sup>nd</sup> Floor</b>
7:00 a.m. – 5:00 p.m.	Registration and Exhibits	<b>Woodward Pre-function: 2<sup>nd</sup> Floor</b>
<b>8:00 a.m. – 9:45 a.m.</b>	<b>Official Session – Open Hearings (continued as necessary)</b> Presiding Officer Mr. Jerry Butler, North Carolina	<b>Woodward AB: 2<sup>nd</sup> Flr.</b>
9:45 a.m. – 10:00 a.m.	Break	

<b>10:00 a.m. – 12:00 p.m.</b>	<b>General Session</b> Pledge of Allegiance and Invocation Chaplain Mr. Stephen Langford, Cardinal Scale Manufacturing, Co. Welcome Address TBD President’s Address Dr. Willie May Associate Director for Laboratory Programs / NIST Chairman’s Address Chairman Mr. John Gaccione, Westchester County, NY Awards Ceremony	<b>Woodward AB: 2<sup>nd</sup> Flr.</b>
12:00 p.m. – 1:30 p.m.	Lunch on Your Own	
<b>1:30 p.m. – 4:15 p.m.</b>	<b>Technical Sessions</b>	
<b>1:30 p.m. – 2:45 p.m.</b>	<b>Motor Oil Quality Violations</b> Mr. Tom Glenn, Petroleum Quality Institute of America	<b>Woodward AB: 2<sup>nd</sup> Flr.</b>
3:00 p.m. – 3:15 p.m.	Break	
<b>3:15 p.m. – 4:00 p.m.</b>	<b>Making Sense of Electronic Receipts:</b> Mr. Justin Hotard, Vice President and General Manager NCR Corporation	<b>Woodward AB: 2<sup>nd</sup> Flr.</b>
<b>4:00 p.m. - 4:45 p.m.</b>	<b>LNG &amp; CNG Motor Fuel: A Technical Briefing from Industry</b> Mr. Doug Horne, President CVEF Mr. Zack Wester, Blu Mr. Jeff Clarke, NGVA	<b>Woodward AB: 2<sup>nd</sup> Flr.</b>
<b>1:30 p.m. – 5:00 p.m.</b>	<b>Committee Work Sessions</b> Specifications and Tolerances Committee Committee Chair Mr. Brett Gurney, Utah Laws and Regulations Committee Committee Chair Mr. Raymond Johnson, New Mexico Professional Development Committee Committee Chair Mr. Dale Saunders, Virginia NTEP Committee Committee Chair Mr. Stephen Benjamin, North Carolina Board of Directors Chairman Mr. John Gaccione, Westchester County, NY	<b>Crystal Ballroom: 4<sup>th</sup> Floor</b>  <b>Woodward C: 2<sup>nd</sup> Floor</b>  <b>Woodward D: 2<sup>nd</sup> Floor</b>  <b>Founders: 3<sup>rd</sup> Floor</b>  <b>Founders: 3<sup>rd</sup> Floor</b>
<b>5:00 p.m. – 6:00 p.m.</b>	<b>Associate Membership Committee</b>	<b>Esquire Room: 3<sup>rd</sup> Floor</b>
<b>8:00 p.m.</b>	<b>Addendum Sheets Available</b>	<b>Woodward Pre-function: 2<sup>nd</sup> Floor</b>

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<b>Wednesday, July 16, 2014</b>		
7:00 a.m. – 9:00 a.m.	Light Breakfast	<b>Woodward Pre-function: 2<sup>nd</sup> Floor</b>
7:00 a.m. – 3:30 p.m.	Registration and Exhibits	<b>Woodward Pre-function: 2<sup>nd</sup> Floor</b>
<b>9:00 a.m. – 12:00 p.m.</b>	<b>Regional Association Meetings</b>	
	Central Weights and Measures Association	<b>Woodward D: 2<sup>nd</sup> Floor</b>
	Northeastern Weights and Measures Association	<b>Woodward C: 2<sup>nd</sup> Floor</b>
	Southern Weights and Measures Association	<b>Crystal Ballroom: 4<sup>th</sup> F</b>
	Western Weights and Measures Association	<b>Founders: 3<sup>rd</sup> Floor</b>
12:00 p.m. – 1:00 p.m.	Lunch on Your Own	
<b>1:00 p.m. – 4:30 p.m.</b>	<b>Voting Session</b>	<b>Woodward AB: 2<sup>nd</sup> Flr.</b>
	Presiding Officer Mr. Marco Mares, California Parliamentarian Mr. Louis Straub, Fairbanks Scale, Inc.	
	Professional Development Committee Committee Chair Mr. Dale Saunders, Virginia	
	Specifications and Tolerances Committee Committee Chair Mr. Brett Gurney, Utah	
	Laws and Regulations Committee Committee Chair Mr. Raymond Johnson	
<b>5:30 p.m. – 9:00 p.m.</b>	<b>Special Event: The Henry Ford Museum</b>	
	Please join us for our Special Event at the Henry Ford Museum where we will spend an evening among the more than 26 million objects and documents which have provoked our thoughts and changed our lives. The Henry Ford Museum is home to the bus on which Rosa Parks took a stand for civil rights, the presidential limousine in which John F. Kennedy was assassinated and the world's oldest steam engine... to name a few. The unparalleled collections and extraordinary examples of innovation will help create the backdrop for an incredible evening.	

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**Thursday, July 17, 2014**


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7:00 a.m. – 9:00 a.m.	Light Breakfast	<b>Woodward</b>
7:00 a.m. – 10:00 a.m.	Registration and Exhibits	<b>Pre-function: 2<sup>nd</sup> Floor</b>
<b>9:00 a.m. – 12:00 p.m.</b>	<b>Voting Session Continued</b>	<b>Woodward</b>
	Presiding Officer	<b>Pre-function: 2<sup>nd</sup> Floor</b>
	Mr. Scott Ferguson, Michigan.	<b>Woodward AB: 2<sup>nd</sup> Flr.</b>
	Parliamentarian	
	Mr. Louis Straub, Fairbanks Scale, Inc.	
	NTEP Committee	
	Committee Chair	
	Mr. Stephen Benjamin, North Carolina	
	Board of Directors	
	Chairman	
	Mr. John Gaccione, Westchester County, NY	
	Nominating Committee	
	Committee Chair	
	Mr. Stephen Benjamin, North Carolina	
	<b>Closing Ceremony</b>	
	Passing of the Gavel	
	Chairman	
	Mr. John Gaccione, Westchester County, New York	
	New Chairman's Address	
	Chairman	
	Mr. Ronald Hayes, Missouri	
	Benediction	
	Chaplain	
	Mr. Stephen Langford, Cardinal Scale Manufacturing, Co.	
	Adjourn	

## Schedule of Events

Organization Chart

<b>NCWM Board of Directors</b>			
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>	<b>TERM ENDS</b>
Chairman	John Gaccione	Westchester County, New York	2014
Chairman-Elect	Ron Hayes	Missouri	2014
NTEP Committee Chair	Stephen Benjamin	North Carolina	2014
Treasurer	Mark Coyne	City of Brockton, Massachusetts	2014
Active Membership - Western	Jerry Buendel	Washington	2017
Active Membership - Central	Craig VanBuren	Michigan	2015
Active Membership - Southern	Kenneth Ramsburg	Maryland	2018
Active Membership - Northeastern	James Cassidy	City of Cambridge, Massachusetts	2014
At-Large	Chuck Corr	Archer Daniels Midland Company	2018
At-Large	Steve Giguere	Maine	2016
Associate Membership	Christopher Guay	Procter and Gamble, Co.	2016
Honorary NCWM President	Dr. Patrick D. Gallagher	NIST Director	NA
Executive Secretary	Carol Hockert	NIST, Office of Weights and Measures	NA
Executive Director	Don Onwiler	NCWM	NA
Board of Directors Advisor	Gilles Vinet	Measurement Canada	NA
NTEP Administrator	Jim Truex	NCWM	NA
<b>National Type Evaluation Program Committee (NTEP)</b>			
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>	<b>TERM ENDS</b>
Committee Chair	Stephen Benjamin	North Carolina	2014
Member	John Gaccione	Westchester County, New York	2014
Member	James Cassidy	Massachusetts	2014
Member	Ronald Hayes	Missouri	2015
Member	Jerry Buendel	Washington	2017
NTEP Administrator	Jim Truex	NCWM Headquarters	NA
<b>Finance Committee</b>			
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>	<b>TERM ENDS</b>
Committee Chair	Ron Hayes	Missouri	2014
Chair-Elect	Jerry Buendel	Washington	2014
Member	Mark Coyne	City of Brockton, Massachusetts	2014
Member	Christopher Guay	Procter and Gamble, Co.	2016
Executive Director	Don Onwiler	NCWM Headquarters	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	Raymond Johnson	New Mexico	2014
Member	Tim Lloyd	Montana	2015
Member	Richard Lewis	Georgia	2016
Member	Louis Sakin	Towns of Hopkinton/Northbridge, Massachusetts	2017
Member	John Albert	Missouri	2018
Associate Membership Representative	Steve Grabski	Wal-Mart	2018
Canadian Technical Advisor	Lance Robertson	Measurement Canada	NA
NIST Technical Advisor	David Sefcik	NIST, Office of Weights and Measures	NA
NIST Technical Advisor	Lisa Warfield	NIST, Office of Weights and Measures	NA
<b>Professional Development Committee (PDC)</b>			
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>	<b>TERM ENDS</b>
Committee Chair	Dale Saunders	Virginia	2014
Member	Cheryl Ayer	New Hampshire	2015
Member	Kristin Macey	California	2016
Member	Stacy Carlsen	Marin County, California	2017
Member	Julie Quinn	Minnesota	2018
Associate Membership Representative	Richard Shipman	Rice Lake Weighing Systems	2018
Safety Liaison	TBD		NA
NIST Technical Advisor	TBD		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	Brett Gurney	Utah	2015
Member	Mahesh Albuquerque	Colorado	2016
Member	Jane Zulkiewicz	Town of Barnstable	2017
Member	Matthew Curran	Florida	2018
Member	Ivan Hankins	Iowa	2014
Canadian Technical Advisor	Luciano Burtini	Measurement Canada	NA
NIST Technical Advisor	Tina Butcher	NIST, Office of Weights and Measures	NA
NIST Technical Advisor	Rick Harshman	NIST, Office of Weights and Measures	NA



## Organization Chart

<b>Nominating Committee</b>			
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>	<b>TERM ENDS</b>
Committee Chair	Stephen Benjamin	North Carolina	2014
Member	Tim Tyson	Kansas	2014
Member	Charles Carroll	Massachusetts	2014
Member	Joe Gomez	New Mexico	2014
Member	Tim Chesser	Arkansas	2014
Member	Frank Greene	Connecticut	2014
Member	Angela Godwin	Ventura County, California	2014
<b>Credentials Committee</b>			
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>	<b>TERM ENDS</b>
Committee Chair	Craig VanBuren	Michigan	2014
Member	Jerry Butler	North Carolina	2015
Member	Fran Elson-Houston	Ohio	2016
Coordinator	Darrell Flocken	Mettler-Toledo, Inc.	2014
<b>Appointive Officials</b>			
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>	<b>TERM ENDS</b>
Chaplain	Stephen Langford	Cardinal Scale Manufacturing, Co.	2014
Parliamentarian	Louis Straub	Fairbanks Scale, Inc.	2014
Presiding Officer	Jack Walsh	Town of Wellesley	2014
Presiding Officer	Jerry Butler	North Carolina	2014
Presiding Officer	Marco Mares	San Diego County, California	2014
Presiding Officer	Scott Ferguson	Michigan	2014
Sergeants-at-Arms	Jim Brown	Michigan	2014
Sergeants-at-Arms	Chris Chamberlain	Michigan	2014
Sergeants-at-Arms	Dave Crowley	Michigan	2014
Sergeants-at-Arms	Joe Daugherty	Michigan	2014
Sergeants-at-Arms	Jason DeChene	Michigan	2014
Sergeants-at-Arms	Scott Ferguson	Michigan	2014
Sergeants-at-Arms	Steve Galvan	Michigan	2014
Sergeants-at-Arms	Samantha Hartman	Michigan	2014
Sergeants-at-Arms	Justin Houghton	Michigan	2014
Sergeants-at-Arms	Sean McGuire	Michigan	2014
Sergeants-at-Arms	Jim Oswald	Michigan	2014
Sergeants-at-Arms	John Willer	Michigan	2014

## Organization Chart

Associate Membership Committee			
OFFICE	NAME	AFFILIATION	TERM ENDS
Chair	Paul Lewis, Sr.	Rice Lake Weighing Systems, Inc.	2014
Vice Chair	Bill Callaway	Crompco	2014
Secretary / Treasurer	David Calix	NCR Corporation	2014
Member	Steven Grabski	Walmart	2015
Member	Christopher Guay	Procter and Gamble, Co.	2015
Member	Thomas McGee	PMP Corporation	2015
Member	Rob Underwood	Petroleum Marketers Association of America	2015
Member	Pete O'Bryan	Foster Farms	2016
Member	David Calix	NCR Corporation	2018
Member	Bill Callaway	Crompco	2018
Member	Darrell Flocken	Mettler-Toledo, Inc.	2018
Member	Robert Murnane, Jr.	Seraphin Test Measure	2018

Fuels and Lubricants Subcommittee		
OFFICE	NAME	AFFILIATION
Chair	Matthew Curran	Florida
Vice-Chair	Ron Hayes	Missouri
Vice-Chair	Randy Jennings	Tennessee
Secretary	Kristin Moore	Renewable Fuels Association
Vice-Secretary	Rebecca Richardson	MARC IV Consulting
NIST Technical Advisor	Kenneth Butcher	NIST, Office of Weights and Measures
NIST Technical Advisor	David Sefcik	NIST, Office of Weights and Measures
NIST Technical Advisor	Lisa Warfield	NIST, Office of Weights and Measures
Public Sector Member	Mahesh Albuquerque	Colorado
Public Sector Member	Stephen Benjamin	North Carolina
Public Sector Member	Steven Harrington	Oregon
Public Sector Member	Kristin Macey	California
Public Sector Member	Timothy White	Michigan
Public Sector Member	Bill Striejewski	Nevada
Private Sector Member	Chuck Corr	Archer Daniels Midland Company
Private Sector Member	Kevin Ferrick	API
Private Sector Member	K.W. Gardner	ExxonMobil Corporation
Private Sector Member	Bill Geubelle	Phillips 66
Private Sector Member	Philip Guillemette	Flint Hills Resources, LP
Private Sector Member	John Harkins	Sunoco, Inc.
Private Sector Member	Marilyn Herman	Herman and Associates
Private Sector Member	Jerome Horn	Chevron Global Downstream, LLC
Private Sector Member	Joanna Johnson	Automotive Oil Exchange Association
Private Sector Member	David A. Kovach	BP Products
Private Sector Member	Roger Leisenring, Jr.	KIOR
Private Sector Member	Russ Lewis	Marathon Petroleum, LLC
Private Sector Member	James McGetrick	BP Products
Private Sector Member	Robert Nelson	Shell Oil Products
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	Prentiss Searles	American Petroleum Institute
Private Sector Member	William Studzinski	General Motors
Private Sector Member	Curtis Williams	CP Williams Energy Consulting, LLC
Private Sector Member	William Woebkenberg	Mercedes-Benz Research and Development NA

## Organization Chart

<b>Packaging and Labeling Subcommittee</b>		
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>
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
Public Sector - Northeastern	Frank Greene	Connecticut
Public Sector - Southern	Bill Tedder	North Carolina
Public Sector - Western	Angela Godwin	County of Ventura
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
Private Sector Member	Pete O'Bryan	Foster Farms
Private Sector Member	Stratt Pinagel	Walmart Stores, Inc.
<b>Natural Gas Steering Committee</b>		
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>
Chair	Mahesh Albuquerque (S&T)	Colorado
Vice-Chair	Raymond Johnson	New Mexico
NIST Technical Advisor	Juana Williams	NIST Office of Weights and Measures
General Counsel	Jeffrey L. Clarke	NGV America
Public Sector – Central	Ronald Hayes	Missouri
Public Sector - Northeast	Ethan Bogren	Westchester County, New York
Public Sector – Southern	Matthew Curran	Florida
Private Sector Member	Brett Barry	Clean Energy
Private Sector Member	Josh Brown	NorthStar, Inc.
Private Sector Member	Scott Hartman	Shell
Private Sector Member	Douglas Horne	Clean Vehicle Education Foundation
Private Sector Member	David Jaskolski	Pivotal LNG
Private Sector Member	Gordon Johnson	Gilbarco, Inc.
Private Sector Member	Dmitri Karimov	Liquid Controls
Private Sector Member	Elisabeth Treseder	American Petroleum Institute
<b>Promotional Tool Kit Task Group</b>		
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>
Chair	Stephen Benjamin	North Carolina
Public Sector Member	Kurt Floren	Los Angeles County
Public Sector Member	Jerry Buendel	Washington
Private Sector Member	Henry Oppermann	Weights and Measures Consulting
Private Sector Member	John Hughes	Rice Lake Weighing Systems

<b>Training Manual Task Group</b>		
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>
Chair	Michael Cleary	Retired: California
Public Sector Member	Craig Harris	Ohio
Public Sector Member	Josh Nelson	Oregon
Public Sector Member	Julie Quinn	Minnesota
Public Sector Member	Deborah Rader	Arizona
Public Sector Member	Scott Simmons	Colorado
<b>Organometallics Task Group</b>		
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>
Chair	Randy Jennings	Tennessee
Public Sector Member	Ron Hayes	Missouri
Private Sector Member	John Cabaniss	Global Automakers
Private Sector Member	Marilyn Herman	Herman and Associates
Private Sector Member	Jeff Jetter	Honda R&D Americas, Inc.
Private Sector Member	Russ Lewis	Marathon Petroleum
Private Sector Member	James McGetrick	BP
Private Sector Member	Mike Meffert	Afton Chemical
Private Sector Member	Kristy Moore	Renewable Fuels Foundation
Private Sector Member	Derek Regal	Tesoro Chemical
Private Sector Member	Charles Richardson	Ford Motor Company
Private Sector Member	Jenny Sigelko	Volkswagen Group of America
Private Sector Member	Val Ughetta	Alliance of Automobile Manufacturers
<b>Task Group on Retail Motor Fuel Dispenser Price Posting and Computer Capability</b>		
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>
Chair	Fran Elson-Houston	Ohio
NIST Technical Advisor	Juana Williams	NIST, Office of Weights and Measures
Public Sector Member	Shelly Miller	Wisconsin
Public Sector Member	Ken Ramsburg	Maryland
Public Sector Member	Jerry Buendel	Washington State Department of Agriculture
Private Sector Member	Rex Brown	Petroleum Equipment Institute
Private Sector Member	John Eichberger	National Association of Convenience Stores
Private Sector Member	Gordon Johnson	Gilbarco, Inc.
Private Sector Member	Phil Katselnik	Dresser Wayne
Private Sector Member	Mike Roach	VeriFone
Private Sector Member	Richard Suiter	Richard Suiter Consulting
Private Sector Member	Richard Tucker	RL Tucker Consulting
Private Sector Member	Rob Underwood	Petroleum Marketers Association of America

## Organization Chart

<b>Multiple Dimensions Measuring Device Work Group</b>		
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>
Chair	Robert Kennington	Quantronix, Inc.
NIST Technical Advisor	TBD	NIST, Office of Weights and Measures
Public Sector Member	Fran Elson-Houston	Ohio
Public Sector Member	Luciano Burtini	Measurement Canada
Public Sector Member	Justin Rae	Measurement Canada
Private Sector Member	Scott Wigginton	United Parcel Service
<b>NTEP Belt-Conveyor Sector</b>		
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>
Chair	Bill Ripka	Thermo Fisher Scientific
Technical Advisor	John Barton	NIST, Office of Weights and Measures
NTEP Administrator	Jim Truex	NCWM Headquarters
Public Sector Member	Tina Butcher	NIST, Office of Weights and Measures
Public Sector Member	Ken Jones	California
Private Sector Member	Rafael Jimenez	Association of American Railroads Transportation Technology Center, Inc.
Private Sector Member	Lars Marmsater	Merrick Industries, Inc.
Private Sector Member	Peter Sirrico	Thayer Scale / Hyer Industries
Private Sector Member	Thomas Vormittag	
<b>NTEP Grain Analyzer Sector</b>		
<b>OFFICE</b>	<b>NAME</b>	<b>AFFILIATION</b>
Chair	Cassie Eigenmann	DICKEY-john Corporation
Technical Advisor	G. Diane Lee	NIST, Office of Weights and Measures
NTEP Administrator	Jim Truex	NCWM Headquarters
Public Sector Member	Tina Butcher	NIST, Office of Weights and Measures
Public Sector Member	Randy Burns	Arkansas
Public Sector Member	Karl Cunningham	Illinois
Public Sector Member	Thomas Hughes	Missouri
Public Sector Member	Ivan Hankins	Iowa
Public Sector Member	Cathleen Brenner	USDA, GIPSA Technical Services Division
Private Sector Member	Jeffrey Adkisson	Grain and Feed Association of Illinois
Private Sector Member	James Bair	North American Miller's Association
Private Sector Member	Rachel Beiswenger	TSI Incorporated
Private Sector Member	Martin Clements	The Steinlite 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.

NTEP Measuring Sector		
OFFICE	NAME	AFFILIATION
Chair	Michael Keilty	Endress + Hauser Flowtec AG, USA
Technical Advisor	TBD	NIST, Office of Weights and Measures
NTEP Administrator	Jim Truex	NCWM Headquarters
Public Sector Member	Dennis Beattie	Measurement Canada
Public Sector Member	Tina Butcher	NIST, Office of Weights and Measures
Public Sector Member	Jerry Butler	North Carolina
Public Sector Member	John Roach	California
Private Sector Member	Steve Bar	Bennett Pump Company
Private Sector Member	William Cooper	Tuthill Transfer Systems
Private Sector Member	Constantine Cotsoradis	Flint Hills Resources
Private Sector Member	Paul Glowacki	Murray Equipment, Inc.
Private Sector Member	Gordon Johnson	Gilbarco, Inc.
Private Sector Member	Dmitri Karimov	Liquid Controls
Private Sector Member	Yefim Katselnik	Dresser Wayne
Private Sector Member	Douglas Long	RDM Industrial Electronics
Private Sector Member	Andrew MacAllister	Daniel Measurement and Control
Private Sector Member	Wade Mattar	Invensys / Foxboro
Private Sector Member	Richard Miller	FMC Technologies Measurement Solutions, Inc.
Private Sector Member	Donald Mundorff	Badger Meter Scottsdale
Private Sector Member	Andre Noel	Neptune Technology Group, Inc.
Private Sector Member	Henry Oppermann	Weights & Measures Consulting, LLC
Private Sector Member	Johnny Parrish	Brodie International
Private Sector Member	Dan Peterson	Yokogawa Corporation of America
Private Sector Member	Richard Tucker	RL Tucker Consulting, LLC

## Organization Chart

NTEP Software Sector		
OFFICE	NAME	AFFILIATION
Chair	James Pettinato	FMC Technologies Measurement Solutions, Inc.
Secretary	Teri Gulke	Liquid Controls, LLC
Technical Advisor	Doug Bliss	Mettler-Toledo, Inc.
NTEP Administrator	Jim Truex	NCWM Headquarters
Public Sector Member	Dennis Beattie	Measurement Canada
Public Sector Member	Michael Frailer	Maryland
Public Sector Member	Ken Jones	California
Public Sector Member	Joe Morrison	Ohio
Public Sector Member	Eric Morabito	New York
Public Sector Member	Edward Payne	Maryland
Public Sector Member	John Roach	California
Public Sector Member	Zacharias Tripoulas	Maryland
Public Sector Member	Ambler Thompson	NIST, Office of Weights and Measures
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	Kevin Detert	Avery Weigh-Tronix
Private Sector Member	Cassie Eigenmann	DICKEY-john Corporation
Private Sector Member	Andre Elle	Endress + Hauser Flowtec AG
Private Sector Member	Andrew Gell	Foss North America
Private Sector Member	Keith Harper	Gencor Industries, Inc.
Private Sector Member	Tony Herrin	Cardinal Scale Manufacturing Co.
Private Sector Member	Paul A. Lewis, Sr.	Rice Lake Weighing Systems, Inc.
Private Sector Member	Rick Lydon	Sick, Inc.
Private Sector Member	Richard Miller	FMC Technologies Measurement Solutions, Inc.
Private Sector Member	Christopher (Adam) Oldham	Gilbarco, Inc.
Private Sector Member	Mike Roach	VeriFone
Private Sector Member	Robin Sax	CompuWeigh Corporation
Private Sector Member	David Vande Berg	Vande Berg Scales
Private Sector Member	John Wind	Bizerba USA, Inc.
Private Sector Member	Kraig Wooddell	Hobart



NTEP Weighing Sector		
OFFICE	NAME	AFFILIATION
Chair	Rob Upright	Vishay Transducers
Technical Advisor	Rick Harshman	NIST, Office of Weights and Measures
NTEP Administrator	Jim Truex	NCWM Headquarters
NTEP Specialist	Darrell Flocken	Mettler-Toledo, Inc.
Public Sector Member	L. Cary Ainsworth	USDA, GIPSA
Public Sector Member	Luciano Burtini	Measurement Canada
Public Sector Member	Tina Butcher	NIST, Office of Weights and Measures
Public Sector Member	Fran Elson-Houston	Ohio
Public Sector Member	Ken Jones	California
Public Sector Member	Jack Kane	Montana
Public Sector Member	Edward Payne	Maryland
Public Sector Member	Bryon School	USDA, GIPSA, FGIS
Public Sector Member	Zacharias Tripoulas	Maryland
Public Sector Member	Tim Tyson	Kansas
Public Sector Member	Juana Williams	NIST, Office of Weights and Measures
Private Sector Member	Steven Beitzel	Systems Associates, Inc.
Private Sector Member	Greg Bredahl	Thermo Fisher Scientific
Private Sector Member	Neil Copley	Thurman Scale Co.
Private Sector Member	Hayden Cornish	Schenck Process
Private Sector Member	Mitchell Eyles	Flintec, Inc.
Private Sector Member	Robert Feezor	Scales Consulting and Testing
Private Sector Member	Scott Henry	Motorola Solutions, Inc.
Private Sector Member	Sam Jalahej	Totalcomp, Inc.
Private Sector Member	Rafael Jimenez	Association of American Railroads Transportation Technology Center, Inc.
Private Sector Member	Stephen Langford	Cardinal Scale Manufacturing, Co.
Private Sector Member	Paul A. Lewis, Sr.	Rice Lake Weighing Systems, Inc.
Private Sector Member	L. Edward Luthy	Schenck Process Transport N.A.
Private Sector Member	Nigel Mills	Hobart Corporation
Private Sector Member	Jamie San Pedro	Coti Global Sensors
Private Sector Member	Wayne Pugh	OCS Checkweighers, Inc.
Private Sector Member	Louis Straub	Fairbanks Scales, Inc.
Private Sector Member	Russell Vires	Mettler-Toledo, LLC
Private Sector Member	Jerry Wang	A&D Engineering, Inc.
Private Sector Member	Walter Young	Emery Winslow Scale Company

## Organization Chart

Western Weights and Measures Association (WWMA) <a href="http://www.westernwma.org">www.westernwma.org</a>						
<b>States</b>	Alaska Arizona California	Colorado Hawaii Idaho	Montana Nevada New Mexico	Oregon Utah Washington	Wyoming	
<b>Contact</b>	Brett Saum San Luis Obispo County Weights and Measures (CA)			805-781-5922 bsaum@co.slo.ca.us		
<b>Annual Meeting</b>	September 22-26, 2013			Kalispell, Montana		
Central Weights and Measures Association (CWMA) <a href="http://www.cwma.net">www.cwma.net</a>						
<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			785-862-2415 sherry.turvey@kda.ks.gov		
<b>Annual Meeting</b>						
<b>Interim Meeting</b>						
Southern Weights and Measures Association (SWMA) <a href="http://www.swma.org">www.swma.org</a>						
<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>	Stephen Benjamin North Carolina Department of Agriculture			919-733-3313 steve.benjamin@ncagr.gov		
<b>Annual Meeting</b>						
Northeastern Weights and Measures Association (NWMA) <a href="http://www.newma.us">www.newma.us</a>						
<b>States</b>	Connecticut Maine Massachusetts	New Hampshire New Jersey New York	Pennsylvania Rhode Island Vermont	Puerto Rico		
<b>Contact</b>	James Cassidy City of Cambridge Weights and Measures Department			617-349-6133 jcassidy@cambridgema.gov		
<b>Annual Meeting</b>						
<b>Interim Meeting</b>						

<b>Past Chairmen</b>			
<b>Conference</b>	<b>Year</b>	<b>Location</b>	<b>Chairman</b>
1 <sup>st</sup>	1905	Washington, D.C.	Dr. S.W. Stratton, Bureau of Standards
2 <sup>nd</sup>	1906	Washington, D.C.	Dr. S.W. Stratton, Bureau of Standards
3 <sup>rd</sup>	1907	Washington, D.C.	Dr. S.W. Stratton, Bureau of Standards
4 <sup>th</sup>	1908	Washington, D.C.	Dr. S.W. Stratton, Bureau of Standards
	1909	Conference Was Not Held	
5 <sup>th</sup>	1910	Washington, D.C.	Dr. S.W. Stratton, Bureau of Standards
6 <sup>th</sup>	1911	Washington, D.C.	Dr. S.W. Stratton, Bureau of Standards
7 <sup>th</sup>	1912	Washington, D.C.	Dr. S.W. Stratton, Bureau of Standards
8 <sup>th</sup>	1913	Washington, D.C.	Dr. S.W. Stratton, Bureau of Standards
9 <sup>th</sup>	1914	Washington, D.C.	Dr. S.W. Stratton, Bureau of Standards
10 <sup>th</sup>	1915	Washington, D.C.	Dr. S.W. Stratton, Bureau of Standards
11 <sup>th</sup>	1916	Washington, D.C.	Dr. S.W. Stratton, 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, Bureau of Standards
13 <sup>th</sup>	1920	Washington, D.C.	Dr. S.W. Stratton, Bureau of Standards
14 <sup>th</sup>	1921	Washington, D.C.	Dr. S.W. Stratton, Bureau of Standards
15 <sup>th</sup>	1922	Washington, D.C.	Dr. S.W. Stratton, Bureau of Standards
16 <sup>th</sup>	1923	Washington, D.C.	Dr. George Burgess, Bureau of Standards
17 <sup>th</sup>	1924	Washington, D.C.	Dr. George Burgess, Bureau of Standards
18 <sup>th</sup>	1925	Washington, D.C.	Dr. George Burgess, Bureau of Standards
19 <sup>th</sup>	1926	Washington, D.C.	Dr. George Burgess, Bureau of Standards
20 <sup>th</sup>	1927	Washington, D.C.	Dr. George Burgess, Bureau of Standards
21 <sup>st</sup>	1928	Washington, D.C.	Dr. George Burgess, Bureau of Standards
22 <sup>nd</sup>	1929	Washington, D.C.	Dr. George Burgess, Bureau of Standards
23 <sup>rd</sup>	1930	Washington, D.C.	Dr. George Burgess, Bureau of Standards
24 <sup>th</sup>	1931	Washington, D.C.	Dr. George Burgess, 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

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

<b>Past Chairmen</b>			
<b>Conference</b>	<b>Year</b>	<b>Location</b>	<b>Chairman</b>
92 <sup>nd</sup>	2007	Salt Lake City, UT	Michael Cleary, CA
93 <sup>rd</sup>	2008	Burlington, VT	Judy Cardin, WI
94 <sup>th</sup>	2009	San Antonio, TX	Jack Kane, MT
95 <sup>th</sup>	2010	St. Paul, MN	Randy Jennings, TN
96 <sup>th</sup>	2011	Missoula, MT	Tim Tyson, KS
97 <sup>th</sup>	2012	Portland, ME	Kurt Floren, CA
98 <sup>th</sup>	2013	Louisville, KY	Stephen Benjamin, NC
99 <sup>th</sup>	2014	Westchester, NY	John Gaccione, NY

## 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 Annual Meeting, committees will conduct Open Hearings where all attendees have the opportunity to offer comments to the committees on items printed in the Committee Interim Reports. 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.

### WELCOME LUNCHEON FOR NEW ATTENDEES

All attendees who are participating for the first time are encouraged to attend the complimentary orientation luncheon on Sunday. This session acquaints attendees with the organization and procedures of NCWM. Others may observe, but lunch service is limited to first-time attendees.

**Sunday, July 14, 2014**

11:30 a.m. – 12:45 p.m.

Welcome Luncheon for New Attendees

Woodward

### COMMITTEE REFERENCE KEY

The Interim Committee Reports are presented in *NCWM Publication 16*. All agenda items to be addressed by the committees are assigned reference key numbers as follows:

<b>Reference Key</b>	<b>Committee</b>
100 Series	Board of Directors (BOD)
200 Series	Laws and Regulations Committee (L&R)
300 Series	Specifications and Tolerances Committee (S&T)
400 Series	Professional Development Committee (PDC)
500 Series	National Type Evaluation Program Committee (NTEP)
800 Series	Nominating Committee

### APPENDICES

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

## DESIGNATION OF ITEM STATUS

The Committee Interim Reports contain recommendations and information on items discussed at the 2014 NCWM Interim Meeting held January 19-22, 2014, in Albuquerque, New Mexico. These reports form the basis for conduct of the committee meetings. Each committee will address the 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:

- **Developing Item:** The item is designated with a “**D**” to indicate an item has merit; however, the item was returned to the submitter or other designated party for further development before any action can be taken at the national level.
- **Informational Item:** The item is designated with an “**I**” to indicate the item is under consideration by the committee but not proposed for Voting.
- **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**.
- **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 adoption of the consent calendar, the committee will entertain any requests from the floor to remove specific items from the consent calendar to be discussed and voted upon individually.

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

## ADDENDUM SHEETS

Modifications to the Committee Interim Reports will be documented in the form of 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 15, 2014, in the Woodward Pre-Function Area on the 2<sup>nd</sup> floor of the Westin Book Cadillac Detroit. Committee Interim Reports may be further modified as a result of actions taken by the committee or membership during the Voting Sessions on July 16-17, 2014.



## 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.net/about/bylaws](http://www.ncwm.net/about/bylaws) for a complete description of the voting system.

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

This body is comprised of one active member from each state who is officially designated as its representative and is present and registered at the Annual Meeting. They shall vote on:

- all business issues relating to NCWM, Inc.
- technical questions before the Corporation, including reports and recommendations of all Standing Committees
- technical issues 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 is comprised of all other active members who are registered and present at the Annual Meeting and those not seated in the House of State Representatives. They shall vote on:

- all business issues relating to NCWM, Inc.
- technical questions before the Corporation, including reports and recommendations of all Standing Committees
- technical issues 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.”

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

This body is comprised of associate and advisory members who are present and registered at the Annual Meeting. They shall vote on:

- all business issues relating to NCWM, Inc.

## 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. The process to request permission to give a presentation is available at [www.ncwm.net/meetings/annual/meeting-process](http://www.ncwm.net/meetings/annual/meeting-process). *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)

## **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 Annual Meeting. Each committee will prepare its annual report containing its recommendations based upon 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 98<sup>th</sup> Annual Meeting of the National Conference on Weights and Measures, 2013*, to be posted to NCWM website at [www.ncwm.net](http://www.ncwm.net). Electronic copies of the *Report of the 98<sup>th</sup> Annual Meeting of the National Conference on Weights and Measures, 2013* will be distributed to all members of NCWM. Other interested parties may request a copy of the publication from the Executive Secretary.

National Institute of Standards and Technology  
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## **INTERIM MEETING**

NCWM Interim Meeting will be held at the Hilton Daytona Beach, Daytona, Florida, January 18th – 21st, 2015.

## **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.