

**N C W M
PUBLICATION**

16

**COMMITTEE REPORTS
FOR THE 100TH
ANNUAL MEETING**

Philadelphia, Pennsylvania / July 19-23, 2015

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



NIST
National Institute of
Standards and Technology
U.S. Department of Commerce



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.

On the Path to Tomorrow
Ronald Hayes, Chairman
Missouri



Dear Friends,

I am honored to invite you to the 100th Annual Meeting of the National Conference on Weights and Measures (NCWM) in Philadelphia, Pennsylvania. Not only is it our 100th meeting, but it also is the 110th Anniversary of the Conference.

What better place to meet than Philadelphia. During the American Revolution, Philadelphia played an instrumental role as a meeting place for the Founding Fathers of the United States, who signed the Declaration of Independence in 1776 and the Constitution in 1787. Philadelphia was one of the nation's capitals during the Revolutionary War, and the city served as the temporary U.S. capitol while Washington D.C. was under construction.

To celebrate this year's conference, we have planned a special lunch banquet featuring a keynote address by N. David Smith of North Carolina. We will recognize NIST's contribution, the State of Massachusetts for their 100% meeting participation, our retirees and past chairs. A drawing will take place for special prizes including a historical (gas pump) dispenser, an antique candy scale, and a placard of all 50 states and U.S. territories' original approval decals.

Our special event will be at the National Constitution Center where we can explore the history and relevance of the Constitution, celebrate our freedom and embrace our role in the story of "We the People".

Please join us!

Sincerely,

A handwritten signature in black ink that reads "Ronald Hayes".

Ronald Hayes
NCWM Chair

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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.*

Saturday, July 18, 2015		
8:30 a.m. – 5:00 p.m.	NCWM Board of Directors Meeting Chair: Mr. Ronald Hayes, Missouri	Reynolds Room
Sunday, July 19, 2015		
8:00 a.m. – 5:00 p.m.	Registration and Exhibits	Ballroom Foyer
9:00 a.m. – 11:15 a.m.	NCWM Board of Directors Meeting Chair: Mr. Ronald Hayes, Missouri	Reynolds Room
9:00 a.m. – 11:30 a.m.	Multi-Point Calibration Task Group Chair: Ms. Julie Quinn, Minnesota	Frampton Room
11:30 a.m. – 12:45 p.m.	Welcome Luncheon for New Attendees	Hamilton Room
1:00 p.m. – 1:30 p.m.	Joint Meeting – All Standing Committees	Society Hill Ballroom
1:30 p.m. – 4:00 p.m.	Meter Manufacturers Association	Cook Room
1:30 p.m. – 4:00 p.m.	Packaging and Labeling Subcommittee Chair: Mr. Christopher Guay, Procter and Gamble, Co.	Flower Room
1:30 p.m. – 4:00 p.m.	Promotional Tool Kit Task Group Chair: Mr. Stephen Benjamin, North Carolina	Shippen Room
1:30 p.m. – 4:00 p.m.	Fuels and Lubricants Subcommittee Chair: Dr. Matthew Curran, Florida	Bromley/Claypoole Room
4:00 p.m. – 5:00 p.m.	Standing Committee’s Agenda Review	
	Specifications and Tolerances Committee Committee Chair Mr. Mahesh Albuquerque, Colorado	Cook Room
	Laws and Regulations Committee Committee Chair Mr. Tim Lloyd, Montana	Flower Room
	Professional Development Committee Committee Chair Ms. Cheryl Ayer, New Hampshire	Frampton Room
	NTEP Committee Committee Chair Mr. John Gaccione, Westchester County, New York	Reynolds Room
	Board of Directors NCWM Chair Mr. Ronald Hayes, Missouri	Reynolds Room
5:30 p.m. – 7:00 p.m.	Chairman’s Reception	Hamilton Room

Schedule of Events

Monday, July 20, 2015		
7:00 a.m. – 9:00 a.m.	Light Breakfast	Ballroom Foyer
7:00 a.m. – 5:00 p.m.	Registration and Exhibits	Ballroom Foyer
8:00 a.m. – 5:00 p.m.	Official Session – Open Hearings	Society Hill Ballroom
	Presiding Officer Mr. Laurence Nolan, Los Angeles County, California	
	Specifications and Tolerances Committee Committee Chair Mr. Mahesh Albuquerque, Colorado	
	Laws and Regulations Committee Committee Chair Mr. Tim Lloyd, Montana	
	Professional Development Committee Committee Chair Ms. Cheryl Ayer, New Hampshire	
	NTEP Committee Committee Chair Mr. John Gaccione, Westchester County, New York	
	Board of Directors Chair Mr. Ronald Hayes, Missouri	
12:00 p.m. – 1:30 p.m.	Lunch on Your Own	
1:30 p.m. – 5:00 p.m.	Official Session – Open Hearings Continued	Society Hill Ballroom
5:00 p.m. – 6:00 p.m.	Associate Membership Committee	Society Hill Ballroom

Tuesday, July 21, 2015		
7:00 a.m. – 9:00 a.m.	Light Breakfast	Ballroom Foyer
7:00 a.m. – 5:00 p.m.	Registration and Exhibits	Ballroom Foyer
8:00 a.m. – 9:15 a.m.	Official Session – Open Hearings (continued as necessary)	Society Hill Ballroom
	Presiding Officer Mr. Jack Walsh, Town of Wellesley, Massachusetts	
9:15 a.m. – 9:30 a.m.	Break	
9:30 a.m. – 11:45 a.m.	General Session	Society Hill Ballroom
	Pledge of Allegiance and Invocation Chaplain Mr. Stephen Langford, Cardinal Scale Manufacturing, Co.	
	Roll Call Executive Secretary Ms. Carol Hockert, Chief, NIST Office of Weights and Measures	
	Welcome Address Secretary Russell Redding, PA Department of Agriculture	
	NIST Office of Weights and Measures Address Ms. Carol Hockert Chief, NIST OWM	

	Chairman's Address	
	Chair	
	Mr. Ronald Hayes, Missouri	
	Awards Ceremony	
11:45 a.m. - 12:00 p.m.	Break	
12:00 p.m. – 2:00 p.m.	Celebration Lunch Banquet	Society Hill Ballroom
	Master of Ceremonies	
	Mr. Stephen Benjamin, North Carolina	
	Keynote Address	
	Mr. N. David Smith, North Carolina	
	NIST Recognition	
	Measurement Canada Recognition	
	Massachusetts Recognition for 100 % Attendance	
	Retirees Recognition	
	Past Chair Recognition	
	100th Annual Meeting Planning Group Recognition	
	Drawing for Prizes	
	Ode to NCWM	
	Mr. Ivan Hankins, Iowa: Poet Laureate	
2:30 p.m. – 4:45 p.m.	Technical Sessions	
2:30 p.m. – 3:30 p.m.	Panel Discussion: “Complimentary Collaboration, A Case Study in Standards Development Cooperation”	Society Hill Ballroom
	Mr. Randy Jennings: Tennessee	
	Ms. Alyson Fick: ASTM International	
	Mr. Jeff Jetter: Organometallics Task Group Chairman	
3:30 p.m. – 3:45 p.m.	Break	
3:45 p.m. – 4:45 p.m.	Panel Discussion: “An Overview of CRC Report No. 667 – Diesel Fuel Storage and Handling Guide”	Society Hill Ballroom
	Mr. Russ Lewis: Marathon Petroleum (Presenter)	
	Mr. Manuch Nikanjam: Chevron (Presenter)	
	Mr. Rick Chapman: Innospec (Presenter)	
	Mr. Bruce Garrett: Dependable Petroleum Service	
	Mr. Darryl Crosby: Speedway, LLC	
	Mr. Bill Studzinski: GM Powertrain	
	Mr. Bart O’Toole: Nevada	
2:30 p.m. – As Needed	Committee Work Sessions	
	Specifications and Tolerances Committee	Cook Room
	Committee Chair	
	Mr. Mahesh Albuquerque, Colorado	
	Laws and Regulations Committee	Flower Room
	Committee Chair	
	Mr. Tim Lloyd, Montana	
	Professional Development Committee	Frampton Room
	Committee Chair	
	Ms. Cheryl Ayer, New Hampshire	

Schedule of Events

	NTEP Committee Committee Chair Mr. John Gaccione, Westchester County, New York	Reynolds Room
	Board of Directors Chair Mr. Ronald Hayes, Missouri	Reynolds Room
8:00 p.m.	Addendum Sheets Available	Ballroom Foyer
<hr/> Wednesday, July 22, 2015 <hr/>		
7:00 a.m. – 9:00 a.m.	Light Breakfast	Ballroom Foyer
7:00 a.m. – 3:30 p.m.	Registration and Exhibits	Ballroom Foyer
9:00 a.m. – 12:00 p.m.	Regional Association Meetings	
	Central Weights and Measures Association	Shippen Room
	Northeastern Weights and Measures Association	Bromley/Claypoole Room
	Southern Weights and Measures Association	Flower Room
	Western Weights and Measures Association	Cook Room
12:00 p.m. – 1:00 p.m.	Lunch on Your Own	
1:00 p.m. – 4:30 p.m.	Voting Session	Society Hill Ballroom
	Presiding Officer Mr. Tim Chesser, Arkansas	
	Parliamentarian Mr. Louis Straub, Fairbanks Scale, Inc.	
	Professional Development Committee Committee Chair Ms. Cheryl Ayer, New Hampshire	
	Specifications and Tolerances Committee Committee Chair Mr. Mahesh Albuquerque, Colorado	
	Laws and Regulations Committee Committee Chair Mr. Tim Lloyd, Montana	
5:30 p.m. – 9:00 p.m.	Special Event: National Constitution Center	Meet in lobby at 5:15 pm
	Located in Independence National Historical Park, the National Constitution Center is an essential Philadelphia destination that tells the story of the Constitution from Revolutionary times to the present. Visitors of all backgrounds can explore the history and relevance of the Constitution, celebrate their freedoms and embrace their role in the story of “We the People”.	
	<u>Business Attire Please</u>	

Thursday, July 23, 2015

7:00 a.m. – 9:00 a.m.	Light Breakfast	Ballroom Foyer
7:00 a.m. – 10:00 a.m.	Registration and Exhibits	Ballroom Foyer
9:00 a.m. – 12:00 p.m.	Voting Session Continued	Society Hill Ballroom
	Presiding Officer	
	Mr. Marco Mares, San Diego County, California	
	Parliamentarian	
	Mr. Louis Straub, Fairbanks Scale, Inc.	
	NTEP Committee	
	Committee Chair	
	Mr. John Gaccione, Westchester County, New York	
	Board of Directors	
	Chair	
	Mr. Ronald Hayes, Missouri	
	Nominating Committee	
	Committee Chair	
	Mr. Stephen Benjamin, North Carolina	
	Closing Ceremony	
	Passing of the Gavel	
	Chair	
	Mr. Ronald Hayes, Missouri	
	New Chairman's Address	
	Chair	
	Mr. Gerald Buendel, Washington State	
	Benediction	
	Chaplain	
	Mr. Stephen Langford, Cardinal Scale Manufacturing, Co.	
	Adjourn	

Schedule of Events

Organization Chart

NCWM Board of Directors			
OFFICE	NAME	AFFILIATION	TERM ENDS
Chairman	Ronald Hayes	Missouri	2015
Chairman-Elect	Jerry Buendel	Washington	2015
NTEP Committee Chair	John Gaccione	Westchester County, New York	2015
Treasurer	Mark Coyne	City of Brockton, Massachusetts	2015
Active Membership – Central	Craig VanBuren	Michigan	2015
Active Membership – Western	Brett Gurney	Utah	2017
Active Membership – Southern	Kenneth Ramsburg	Maryland	2018
Active Membership – Northeastern	James Cassidy	City of Cambridge, Massachusetts	2019
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. Willie May	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
National Type Evaluation Program Committee (NTEP)			
OFFICE	NAME	AFFILIATION	TERM ENDS
Chair	John Gaccione	Westchester County, New York	2015
Member	Ronald Hayes	Missouri	2016
Member	Jerry Buendel	Washington	2017
Member	Kenneth Ramsburg	Maryland	2018
Member	James Cassidy	Massachusetts	2019
NTEP Administrator	Jim Truex	NCWM	NA
Finance Committee			
OFFICE	NAME	AFFILIATION	TERM ENDS
Chair	Jerry Buendel	Washington	2015
Nominated Chair-Elect	Kristin Macey	California	2016
Member	Mark Coyne	City of Brockton, Massachusetts	2015
Member	Christopher Guay	Procter and Gamble, Co.	2016
Executive Director	Don Onwiler	NCWM	NA

Organization Chart

Laws and Regulations Committee (L&R)			
OFFICE	NAME	AFFILIATION	TERM ENDS
Committee Chair	Tim Lloyd	Montana	2015
Member	Richard Lewis	Georgia	2016
Member	Louis Sakin	Towns of Hopkinton/Northbridge, Massachusetts	2017
Member	John Albert	Missouri	2018
Member	Kristin Macey	California	2019
Associate Membership Representative	Steve Grabski	Wal-Mart Stores, Inc.	2018
Canadian Technical Advisor	Lance Robertson	Measurement Canada	NA
NIST Technical Advisor	David Sefcik	NIST, Office of Weights and Measures	NA
NIST Technical Advisor	Lisa Warfield	NIST, Office of Weights and Measures	NA
Professional Development Committee (PDC)			
OFFICE	NAME	AFFILIATION	TERM ENDS
Committee Chair	Cheryl Ayer	New Hampshire	2015
Member	Angela Godwin	Ventura County, California	2016
Member	Stacy Carlsen	Marin County, California	2017
Member	Julie Quinn	Minnesota	2018
Member	Doug Killingsworth	Georgia	2019
Associate Membership Representative	Richard Shipman	Rice Lake Weighing Systems	2018
Safety Liaison	TBD		NA
NIST Liaison	Tina Butcher	NIST, Office of Weights and Measures	NA
Certification Coordinator	Ross Andersen	Retired	NA
Specifications and Tolerances Committee (S&T)			
OFFICE	NAME	AFFILIATION	TERM ENDS
Committee Chair	Mahesh Albuquerque	Colorado	2016
Member	Rachelle Miller	Wisconsin	2015
Member	Jane Zulkiewicz	Town of Barnstable	2017
Member	Matthew Curran	Florida	2018
Member	Ivan Hankins	Iowa	2019
Canadian Technical Advisor	Luciano Burtini	Measurement Canada	NA
NIST Technical Advisor	Clark Cooney	NIST, Office of Weights and Measures	NA
NIST Technical Advisor	Rick Harshman	NIST, Office of Weights and Measures	NA
NTEP Specialist	Darrell Flocken	NCWM	NA

Organization Chart

Nominating Committee			
OFFICE	NAME	AFFILIATION	TERM ENDS
Committee Chair	John Gaccione	Westchester County, New York	2015
Member	Stephen Benjamin	North Carolina	2015
Member	Judy Cardin	Wisconsin	2015
Member	Charles Carroll	Massachusetts	2015
Member	Kurt Floren	Los Angeles County	2015
Member	Joe Gomez	New Mexico	2015
Member	Randy Jennings	Tennessee	2015
Credentials Committee			
OFFICE	NAME	AFFILIATION	TERM ENDS
Committee Chair	Craig VanBuren	Michigan	2015
Member	Fran Elson-Houston	Ohio	2016
Member	Ethan Bogren	Westchester County, New York	2017
Coordinator	Darrell Flocken	NCWM	NA
Appointive Officials			
OFFICE	NAME	AFFILIATION	TERM ENDS
Chaplain	Stephen Langford	Cardinal Scale Manufacturing, Co.	2015
Parliamentarian	Louis Straub	Fairbanks Scale, Inc.	2015
Presiding Officer	Tim Chesser	Arkansas	2015
Presiding Officer	Marco Mares	San Diego County, California	2015
Presiding Officer	Laurence Nolan	Los Angeles County, California	2015
Presiding Officer	Jack Walsh	Town of Wellesley, Massachusetts	2015
Sergeants-at-Arms	Michael McGoff	Pennsylvania	2015
Sergeants-at-Arms	Doug Rudy	Pennsylvania	2015
Poet Laureate	Ivan Hankins	Iowa	2015
Associate Membership Committee			
OFFICE	NAME	AFFILIATION	TERM ENDS
Chair	Bill Callaway	Crompco	2015
Vice-Chair	David Calix	NCR Corporation	2015
Secretary / Treasurer	Richard Shipman	Rice Lake Weighing Systems, Inc.	2015
Member	Richard Shipman	Rice Lake Weighing Systems, Inc.	2015
Member	Steven Grabski	Wal-Mart Stores, Inc.	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	David Calix	NCR Corporation	2018
Member	Bill Callaway	Crompco	2018
Member	Robert Murnane, Jr.	Seraphin Test Measure	2018

Organization Chart

Member	Paul A. Lewis, Sr.	Rice Lake Weighing Systems, Inc.	2019
Fuels and Lubricants Subcommittee			
OFFICE	NAME	AFFILIATION	
Chair	Matthew Curran	Florida	
Vice-Chair	Ronald Hayes	Missouri	
Vice-Chair	Randy Jennings	Tennessee	
Secretary	Kelly Davis	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	Kristin Macey	California	
Public Sector Member	Bill Striejewske	Nevada	
Public Sector Member	Timothy White	Michigan	
Public Sector Member	Michelle Wilson	Arizona	
Private Sector Member	Bill Cannella	Chevron Global Downstream, LLC	
Private Sector Member	Chuck Corr	Archer Daniels Midland Company	
Private Sector Member	Dayne Delahoussaye	Neste Oil	
Private Sector Member	Kevin Ferrick	API	
Private Sector Member	Rick Fragnito	Shell	
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	Joanna Johnson	Automotive Oil Exchange Association	
Private Sector Member	Patrick Kelly	API	
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	Michael Lynch	ExxonMobil Corporation	
Private Sector Member	James McGetrick	BP 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	Brad Stotler	NATSO	
Private Sector Member	William Studzinski	General Motors	
Private Sector Member	Rob Underwood	Petroleum Marketers Association of America	
Private Sector Member	Marie Valentine	Toyota-TEMA-ITC	

Organization Chart

Private Sector Member	Curtis Williams	CP Williams Energy Consulting, LLC
Private Sector Member	William Woebkenberg	Mercedes-Benz Research and Development NA
Packaging and Labeling Subcommittee		
OFFICE	NAME	AFFILIATION
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	Hal Prince	Florida
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	Stratt Pinagel	Walmart Stores, Inc.
Natural Gas Steering Committee		
OFFICE	NAME	AFFILIATION
Chair	Ethan Bogren	Westchester County, New York
Vice-Chair	Raymond Johnson	New Mexico
NIST Technical Advisor	Juana Williams	NIST Office of Weights and Measures
Public Sector – Central	Ronald Hayes	Missouri
Public Sector – Southern	Matthew Curran	Florida
Public Sector – Western	Mahesh Albuquerque	Colorado
Public Sector Member	G. Diane Lee	NIST, Office of Weights and Measures
Private Sector Member	Brett Barry	Clean Energy
Private Sector Member	Josh Brown	NorthStar, Inc.
Private Sector Member	Jeffrey L. Clarke	NGV America
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	Randy Moses	Wayne
Private Sector Member	Prentiss Searles	American Petroleum Institute
Promotional Tool Kit Task Group		
OFFICE	NAME	AFFILIATION
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

Organization Chart

Organometallics Task Group		
OFFICE	NAME	AFFILIATION
Chair	Randy Jennings	Tennessee
Public Sector Member	Ronald Hayes	Missouri
Public Sector Member	Bill Striejewski	Nevada
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
Multiple Dimensions Measuring Device Work Group		
OFFICE	NAME	AFFILIATION
Chair	Robert Kennington	Quantronix, Inc.
NIST Technical Advisor	Rick Harshman	NIST, Office of Weights and Measures
NTEP Administrator	Jim Truex	NCWM
NTEP Specialist	Darrell Flocken	NCWM
Public Sector Member	Tom Buck	Ohio
Public Sector Member	Fran Elson-Houston	Ohio
Public Sector Member	Justin Rae	Measurement Canada
Public Sector Member	Isabelle Tremblay	Measurement Canada
Public Sector Member	Pascal Turgeon	Measurement Canada, Policy/Regulations Group
Private Sector Member	Sprague Ackley	Honeywell
Private Sector Member	Scott Davidson	Mettler-Toledo, LLC
Private Sector Member	Michael Eichenberg	FreightSnap, LLC
Private Sector Member	Dev Goyal	SICK, Inc.
Private Sector Member	Jim Larson	United Parcel Service
Private Sector Member	Uwe Mohr	Vitronic
Private Sector Member	Jack Pangrazio	LTS Scale Company, LLC
Private Sector Member	Tony Romeo	Datalogic
Private Sector Member	Richard Shipman	Rice Lake Weighing Systems
Private Sector Member	Mike Stutler	United Parcel Service
Private Sector Member	Richard Suiter	Richard Suiter Consulting
Private Sector Member	Russ Vires	Mettler-Toledo, LLC
Private Sector Member	Scott Wigginton	United Parcel Service

NTEP Belt-Conveyor Sector		
OFFICE	NAME	AFFILIATION
Chair	Peter Sirrico	Thayer Scale / Hyer Industries
Technical Advisor	John Barton	NIST, Office of Weights and Measures
NTEP Administrator	Jim Truex	NCWM
NTEP Specialist	Darrell Flocken	NCWM
Public Sector Member	Tina Butcher	NIST, Office of Weights and Measures
Public Sector Member	Zacharias Tripoulas	Maryland
Public Sector Member	Thomas Vormittag	Nevada
Private Sector Member	Rafael Jimenez	Association of American Railroads Transportation Technology Center, Inc.
Private Sector Member	Jason Kukachka	Thermo Fisher Scientific
Private Sector Member	Lars Marmsater	Merrick Industries, Inc.
NTEP Grain Analyzer Sector		
OFFICE	NAME	AFFILIATION
Chair	Karl Cunningham	Illinois
NIST Technical Advisor	G. Diane Lee	NIST, Office of Weights and Measures
NTEP Administrator	Jim Truex	NCWM
NTEP Specialist	Darrell Flocken	NCWM
Public Sector Member	Tina Butcher	NIST, Office of Weights and Measures
Public Sector Member	Randy Burns	Arkansas
Public Sector Member	Rick Dempster	USDA, GIPSA Technical Services Division
Public Sector Member	Cassie Eigenmann	DICKEY-john Corporation
Public Sector Member	Ivan Hankins	Iowa
Public Sector Member	Thomas Hughes	Missouri
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	Kathy Conover	DICKEY-john Corporation
Private Sector Member	Andrew Gell	Foss North America
Private Sector Member	Charles Hurburgh, Jr.	Iowa State University
Private Sector Member	Jess McCluer	National Grain and Feed Association
Private Sector Member	Thomas Runyon	Seedburo Equipment Co.

Organization Chart

NTEP Measuring Sector		
OFFICE	NAME	AFFILIATION
Chair	Michael Keilty	Endress + Hauser Flowtec AG, USA
NIST Technical Advisor	Clark Cooney	NIST, Office of Weights and Measures
NTEP Administrator	Jim Truex	NCWM
NTEP Specialist	Darrell Flocken	NCWM
Public Sector Member	Luciano Burtini	Measurement Canada
Public Sector Member	Tina Butcher	NIST, Office of Weights and Measures
Public Sector Member	Allen Katalinic	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	Ronnell Gallon	Zenner Performance Meters, Inc.
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	Wayne Fueling Systems
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	Johnny Parrish	Brodie International
Private Sector Member	Dan Peterson	Yokogawa Corporation of America
Private Sector Member	Richard Tucker	RL Tucker Consulting, LLC

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
NTEP Specialist	Darrell Flocken	NCWM
Public Sector Member	Dennis Beattie	Measurement Canada
Public Sector Member	Tom Buck	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	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	Dominic Meyer	KSi Conveyors, Inc.
Private Sector Member	Richard Miller	FMC Technologies Measurement Solutions, Inc.
Private Sector Member	Christopher (Adam) Oldham	Gilbarco, Inc.
Private Sector Member	Mike Roach	VeriFone
Private Sector Member	Robin Sax	CompuWeigh Corporation
Private Sector Member	David Vande Berg	Vande Berg Scales
Private Sector Member	John Wind	Bizerba USA, Inc.
Private Sector Member	Kraig Wooddell	Hobart

Organization Chart

NTEP Weighing Sector		
OFFICE	NAME	AFFILIATION
Chair	Rob Upright	Vishay Transducers
NIST Technical Advisor	Rick Harshman	NIST, Office of Weights and Measures
NTEP Administrator	Jim Truex	NCWM
NTEP Specialist	Darrell Flocken	NCWM
Public Sector Member	L. Cary Ainsworth	USDA, GIPSA
Public Sector Member	Pascal Turgeon	Measurement Canada
Public Sector Member	Tina Butcher	NIST, Office of Weights and Measures
Public Sector Member	Kevin Chesnutwood	NIST, Office of Weights and Measures
Public Sector Member	Fran Elson-Houston	Ohio
Public Sector Member	Eric Morabito	New York
Public Sector Member	Edward Payne	Maryland
Public Sector Member	Marcus Harwitz	USDA, GIPSA, FGIS
Public Sector Member	Zacharias Tripoulas	Maryland
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	Jon Heinlein	Transcell Technology, Inc.
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

Western Weights and Measures Association (WWMA) www.westernwma.org						
States	Alaska Arizona California	Colorado Hawaii Idaho	Montana Nevada New Mexico	Oregon Utah Washington	Wyoming	
Contact	Kevin Merritt ISDA Bureau of Weights and Measures			(208) 332-8690 kevin.merritt@agri.idaho.gov		
Annual Meeting	September 27 – October 1, 2015			Boise, Idaho		
Central Weights and Measures Association (CWMA) www.cwma.net						
States	Illinois Indiana Iowa	Kansas Michigan Minnesota	Missouri Nebraska North Dakota	Ohio South Dakota Wisconsin		
Contact	Sherry Turvey Kansas Department of Agriculture			(785) 862-2415 sherry.turvey@kda.ks.gov		
Annual Meeting	2016 (TBD)					
Interim Meeting	October 5 – 7, 2015			St. Charles, Missouri		
Southern Weights and Measures Association (SWMA) www.swma.org						
States	Alabama Arkansas Delaware	District of Columbia Florida Georgia	Kentucky Louisiana Maryland	Mississippi North Carolina Oklahoma	South Carolina Tennessee Texas	US Virgin Islands Virginia West Virginia
Contact	Gene Robertson Mississippi Department of Agriculture and Commerce			(601) 359-1111 gene@mdac.state.ms.us		
Annual Meeting	October 24 – 29, 2015			Biloxi, Mississippi		
Northeastern Weights and Measures Association (NWMA) www.newma.us						
States	Connecticut Maine Massachusetts	New Hampshire New Jersey New York	Pennsylvania Rhode Island Vermont	Puerto Rico		
Contact	James Cassidy City of Cambridge Weights and Measures Department			(617) 349-6133 jcassidy@cambridgema.gov		
Annual Meeting	2016 (TBD)					
Interim Meeting	October 13 – 15, 2015			Springfield, Massachusetts		

Organization Chart

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

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

Past Chairmen

Conference	Year	Location	Chairman
92 nd	2007	Salt Lake City, UT	Michael Cleary, CA
93 rd	2008	Burlington, VT	Judy Cardin, WI
94 th	2009	San Antonio, TX	Jack Kane, MT
95 th	2010	St. Paul, MN	Randy Jennings, TN
96 th	2011	Missoula, MT	Tim Tyson, KS
97 th	2012	Portland, ME	Kurt Floren, CA
98 th	2013	Louisville, KY	Stephen Benjamin, NC
99 th	2014	Detroit, MI	John Gaccione, NY
100 th	2015	Philadelphia, PA	Ronald Hayes, MO

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 19, 2015

11:30 a.m. – 12:45 p.m.

Welcome Luncheon for New Attendees

Hamilton Room

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:

Reference Key	Committee
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 to review these documents.

DESIGNATION OF ITEM STATUS

The Committee Interim Reports contain recommendations and information on items discussed at the 2015 NCWM Interim Meeting held January 18-21, 2015, in Daytona Beach, Florida. 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 21, 2015, in the Ballroom Foyer of the Sheraton Society Hill Hotel. Committee Interim Reports may be further modified as a result of actions taken by the committee or membership during the Voting Sessions on July 22-23, 2015.

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 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. *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

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 100th Annual Meeting of the National Conference on Weights and Measures*, to be posted to NCWM website at www.ncwm.net. Electronic copies of the *Report of the 100th Annual Meeting of the National Conference 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 Secretary.

National Institute of Standards and Technology
Attn: Carol Hockert, Chief
100 Bureau Drive
Gaithersburg, MD 20899-2600
(301) 975-4004
carol.hockert@nist.gov

INTERIM MEETING

NCWM Interim Meeting will be held at the Westin San Diego Gaslamp Quarter, San Diego, California, January 10th – 13th, 2016.

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.