

**N C W M
PUBLICATION**

15

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

Daytona Beach, FL / January 18-21, 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



National Conference on Weights and Measures Overview

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

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

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

On the Path to Tomorrow

Ronald Hayes, Chairman
Missouri



Dear Friends,

Welcome to sunny Florida and the 2015 NCWM Interim Meeting held at the Hilton Daytona Beach Oceanfront Resort Daytona. This historical beach has hard-packed sand allowing motorized vehicles to drive on it. Motor sports occurred on this hard-packed sand until replaced in 1959 by the Daytona International Speedway. The city is also the headquarters for NASCAR and the Grand American Road Racing Association.

After listening to the discussions and debates at the regional meetings last year, it seems all regions are close to consensus on most issues, and a few differences can be worked out at this extremely important interim meeting. It is of course the interim meeting where the voting items are finalized and perfected. In order to perfect all proposals, we need you in Daytona Beach to debate and offer solutions. Remember, your input at this meeting will determine equitable national standards which are critical to ensuring a fair marketplace and benefit consumers, businesses, and the nation's economy.

I would like to personally thank all our members who make this organization great by stepping up and serving on committees. This year our standing committees have a full workload especially the Specifications and Tolerances Committee. The Natural Gas Steering Committee is working hard to find a solution to the CNG/LNG retail motor fuel item. The Fuels and Lubricants subcommittee will be looking at additional data related to octane rating of gasoline and diesel fuel pump filters. In addition to these members, we now have vehicle manufacturers attending meetings because this organization can offer solutions to fuel quality issues which allow their new technology to evolve.

Other big issues are the Uniform Taxicab, Livery and Limousine Regulations and the new proposed test method for dimensional test procedure for verifying the compressed quantity declaration on packages of peat moss and animal bedding. Additionally, training and education has been very important with NCWM with assistance from the PDC and NIST. No item is too small or too large. Our agenda contains items such as "Determining the Net Weight and Percent of Purge in Packages of Fresh and Frozen Chitterlings."

Although we will be in Daytona Beach a few weeks before NASCAR's season-opening Daytona 500, you may wish to stay a couple of extra nights after the long open hearings and late evening standing committee work sessions. You might enjoy the Rolex 24 Hour endurance race at the Daytona International Speedway, or just some relaxing time on the beach.

I look forward to seeing and working with you in Daytona Beach.

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.*

Friday, January 16, 2015

8:30 a.m. – 5:00 p.m. NCWM Board of Directors Meeting Volusia B

Saturday, January 17, 2015

8:30 a.m. – 5:00 p.m. NCWM Board of Directors Meeting Volusia B

Sunday, January 18, 2015

7:30 a.m. – 9:00 a.m. Coffee Service Atlantic Avenue

7:30 a.m. – 5:00 p.m. Registration and Exhibits Atlantic Avenue

8:00 a.m. – 11:30 a.m. Meter Manufacturers Association Halifax A

8:30 a.m. – 12:00 p.m. Natural Gas Steering Committee Tomoka B

9:00 a.m. – 11:30 a.m. Promotional Tool Kit Task Group Tomoka C

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

1:00 p.m. – 1:30 p.m. Joint Meeting – All Standing Committees Crystal

1:30 p.m. – 4:00 p.m. Packaging and Labeling Subcommittee Halifax B

1:30 p.m. – 4:00 p.m. Multipoint-Calibration Task Group Tomoka B

1:30 p.m. – 4:00 p.m. Fuels and Lubricants Subcommittee Tomoka A

2:30 p.m. – 4:00 p.m. Taximeter Discussion Forum Halifax A

4:00 p.m. – 5:00 p.m. Standing Committee's Agenda Review

Laws and Regulations Committee Halifax B

Specifications and Tolerances Committee Tomoka A

Professional Development Committee Tomoka B

Board of Directors / NTEP Committee Halifax A

5:30 p.m. – 7:00 p.m. Chairman's Reception Oceanview & Terrace

2015 Interim Schedule of Events

Monday, January 19, 2015

7:30 a.m. – 9:00 a.m.	Light Breakfast	Atlantic Avenue
7:30 a.m. – 5:00 p.m.	Registration and Exhibits	Atlantic Avenue
8:00 a.m. – 5:00 p.m.	Nominating Committee	Halifax C
8:30 a.m. – 5:00 p.m.	Official Session – Open Hearings	Crystal-St. John's

Laws and Regulations Committee
Specifications and Tolerances Committee
Professional Development Committee
Board of Directors
NTEP Committee

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

Tuesday, January 20, 2015

7:30 a.m. – 9:00 a.m.	Light Breakfast	Atlantic Avenue
7:30 a.m. – 5:00 p.m.	Registration and Exhibits	Atlantic Avenue
8:30 a.m. – 12:00 p.m.	Official Session – Open Hearings	Crystal-St. John's
12:00 p.m. – 1:00 p.m.	Lunch on Your Own	
1:00 p.m. – 5:00 p.m.	Committee Work Sessions	

Laws and Regulations Committee
Specifications and Tolerances Committee
Professional Development Committee
Board of Directors
NTEP Committee

5:00 p.m. – 6:00 p.m. Associate Membership Committee
Halifax B
Tomoka A
Tomoka B
Halifax A
Halifax A
Crystal-St. John's

Wednesday, January 21, 2015

7:30 a.m. – 9:00 a.m.	Light Breakfast	Atlantic Avenue
7:30 a.m. – 12:00 p.m.	Registration and Exhibits	Atlantic Avenue
8:30 a.m. – 11:00 a.m.	Committee Work Sessions	
	Laws and Regulations Committee	Halifax B
	Specifications and Tolerances Committee	Tomoka A
	Professional Development Committee	Tomoka B
	Board of Directors	Halifax A
	NTEP Committee	Halifax A
11:00 a.m. – 12:00 p.m.	Joint Meeting – All Standing Committees	Crystal

2014 - 2015 Organizational Chart

NCWM Board of Directors (BOD)

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 (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	TBD		2015
Member	Mark Coyne	City of Brockton, Massachusetts	2015
Member	Christopher Guay	Procter and Gamble, Co.	2016
Executive Director	Don Onwiler	NCWM	NA

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

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 Technical Advisor	Darrell Flocken	NCWM	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	Doug Killingsworth	Georgia	2018
Member	Julie Quinn	Minnesota	2018
Associate Membership Representative	Richard Shipman	Rice Lake Weighing Systems, Inc.	2018
Safety Liaison	TBD		NA
NIST Liaison	Tina Butcher	NIST, Office of Weights and Measures	NA
Certification Coordinator	Ross Andersen	Retired	NA

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	Jerry Butler	North Carolina	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	Lawrence Nolan	Los Angeles County	2015
Presiding Officer	Jack Walsh	Town of Wellesley, Massachusetts	2015
Presiding Officer	Tim Chesser	Arkansas	2015
Presiding Officer	Marco Mares	San Diego County, California	2015
Sergeants-at-Arms	TBD		2015
Sergeants-at-Arms	TBD		2015

Associate Membership Committee (AMC)

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
Member	Paul A. Lewis, Sr.	Rice Lake Weighing Systems, Inc.	2019

Fuels and Lubricants Subcommittee (FALS)		
Office	Name	Affiliation
Chair	Matthew Curran	Florida
Vice-Chair	Ronald 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	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	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	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	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	Brad Stotler	NATSO
Private Sector Member	William Studzinski	General Motors
Private Sector Member	Rob Underwood	Petroleum Marketers Association of America
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 (PALS)

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	Wal-Mart 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	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	Elisabeth Treseder	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, Inc.

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	Scott Davidson	Mettler-Toledo, LLC
Private Sector Member	Dev Goyal	SICK, Inc.
Private Sector Member	Uwe Mohr	Vitronic
Private Sector Member	Jack Pangrazio	LTS Scale Company, LLC
Private Sector Member	Tony Romeo	Datalogic
Private Sector Member	Mike Stutler	United Parcel Service
Private Sector Member	Russ Vires	Mettler-Toledo, LLC
Private Sector Member	Jim Larson	United Parcel Service
Private Sector Member	Scott Wigginton	United Parcel Service

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

Task Group on Retail Motor Fuel Dispenser Price Posting and Computing Capability

Office	Name	Affiliation
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	Kenneth 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	Rob Underwood	Petroleum Marketers Association of America
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NTEP Belt-Conveyor Sector

Office	Name	Affiliation
Chair	Bill Ripka	Thermo Fisher Scientific
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	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	Nevada

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	Thomas Hughes	Missouri
Public Sector Member	Ivan Hankins	Iowa
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.

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	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	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	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

NTEP Software Sector		
Office	Name	Affiliation
Chair	James Pettinato	FMC Technologies Measurement Solutions, Inc.
Technical Advisor	Doug Bliss	Mettler-Toledo, Inc.
Secretary	Teri Gulke	Liquid Controls, LLC
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
Public Sector Member	Mike Wedman	California
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	Michael Parks	Vulcan Materials Company
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
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	Ken Jones	California
Public Sector Member	Eric Morabito	New York
Public Sector Member	Edward Payne	Maryland
Public Sector Member	Mike Wedman	California
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, Inc.
Private Sector Member	Jerry Wang	A&D Engineering, Inc.
Private Sector Member	Walter Young	Emery Winslow Scale Company

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

States		Contact	Meetings
<ul style="list-style-type: none"> • Illinois • Indiana • Iowa • Kansas • Michigan • Minnesota 	<ul style="list-style-type: none"> • Missouri • Nebraska • North Dakota • Ohio • South Dakota • Wisconsin 	Sherry Turvey Kansas Department of Agriculture Phone: (785) 862-2415 Email: sherry.turvey@kda.ks.gov	Annual Meeting: May 18-22, 2015 Columbus, OH Interim Meeting: October 5-7, 2015 St. Charles, MO

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

States		Contact	Meetings
<ul style="list-style-type: none"> • Connecticut • Maine • Massachusetts • New Hampshire • New Jersey 	<ul style="list-style-type: none"> • New York • Pennsylvania • Rhode Island • Vermont • Puerto Rico 	James Cassidy City of Cambridge Weights and Measures Department Phone: (617) 349-6133 Email: jcassidy@cambridgema.gov	Annual Meeting: May 4-8, 2015 Saratoga Springs, NY Interim Meeting: TBD

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

States		Contact	Meetings
<ul style="list-style-type: none"> • Alabama • Arkansas • Delaware • District of Columbia • Florida • Georgia • Kentucky • Louisiana • Maryland 	<ul style="list-style-type: none"> • Mississippi • North Carolina • Oklahoma • South Carolina • Tennessee • Texas • US Virgin Islands • Virginia • West Virginia 	Gene Robertson Mississippi Department of Agriculture & Commerce Phone: (601) 359-1102 Email: gene@mdac.ms.gov	Annual Meeting: TBD Mississippi

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

States		Contact	Meetings
<ul style="list-style-type: none"> • Alaska • Arizona • California • Colorado • Hawaii • Idaho • Montana 	<ul style="list-style-type: none"> • Nevada • New Mexico • Oregon • Utah • Washington • Wyoming 	Kevin Merritt Idaho State Department of Agriculture Phone: (208) 332-8690 Email: kevin.merritt@agri.idaho.gov	Annual Meeting: TBD Boise, ID

Past Chairman

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 Chairman

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	Pittsburg, PA	Dennis Ehrhart, AZ
90 th	2005	Orlando, FL	Wes Diggs, VA
91 st	2006	Chicago, IL	Don Onwiler, NE

Past Chairman

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

General Information

PURPOSE

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

FIRST TIME ATTENDEES

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

COMMITTEE REFERENCE KEY

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

AGENDA

The subject matter listed on each Standing Committee's agenda will be open for discussion as noted. The Committee may also take up routine or miscellaneous items brought to its attention after the preparation of this document. The Committee may decide to accept items for discussion that are not listed in this document, providing they meet the criteria for exceptions as presented in Section H of the introductions to *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices, 2014 Edition*; and *NIST Handbook 130 Uniform Laws and Regulations In the Areas of Legal Metrology and Engine Fuel Quality, 2014 Edition*. The Committees have not determined whether the items presented will be Voting or Informational in nature; these determinations will result from their deliberations at the Interim Meeting.

The agendas:

1. include items brought to the attention of the Standing Committees prior to the submission deadline of November 1, 2014, and approved for inclusion in their agendas by the Committees; and
2. serve as the basis for the Standing Committee Interim Reports; to be printed in the program and Committee reports of the *National Conference on Weights and Measures 99th Annual Meeting, NCWM Publication 16*. The final reports of the Committees will be published in the *National Institute of Standards and Technology Special Publication, Report of the 99th National Conference on Weights and Measures Annual Report*, following the 100th Annual Meeting scheduled for July 19-23, 2015 at the Sheraton Philadelphia Society Hill Hotel in Philadelphia, Pennsylvania.

WRITTEN COMMENTS OR ORAL STATEMENTS

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

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

JOINT MEETINGS FOR ALL COMMITTEES

A Joint Meeting for all Committees will be held on Sunday, January 18, and Wednesday, January 21, 2015. On Wednesday, each Standing Committee will highlight the major decisions made during the week, and the Nominating Committee will present its report.

PARTICIPATION

All sessions are open to registered attendees of the conference. If a Committee must discuss any issue that involves proprietary information or other confidential material; that portion of the session dealing with the special issue may be closed provided that:

1. NCWM Chairman or, in his absence, the Chairman-Elect approves;
2. the Executive Director is notified; and
3. an announcement of the closed meeting is posted on or near the door to the meeting session and at the registration desk.

If at all possible, the posting will be done at least a day prior to the planned closed session. Please note that a one-day notice will not be possible if a closed meeting is called on Sunday. Since participants may make their travel reservations in order to attend technical meetings scheduled for Sunday, every effort will be made to limit any required closed meetings to only part of Sunday.

REPORTS

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

ANNUAL MEETING

NCWM 100th Annual Meeting will be held at the Sheraton Philadelphia Society Hill Hotel in Philadelphia, Pennsylvania, July 19-23, 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.

