

N C W M  
PUBLICATION

# 16

COMMITTEE REPORTS  
FOR THE 97<sup>TH</sup>  
ANNUAL MEETING



Portland, Maine  
July 15-19, 2012

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PUBLICATION**

**16**

**COMMITTEE REPORTS  
FOR THE 97<sup>TH</sup>  
ANNUAL MEETING**

**Portland, Maine / July 15-19, 2012**

*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*



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## **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.

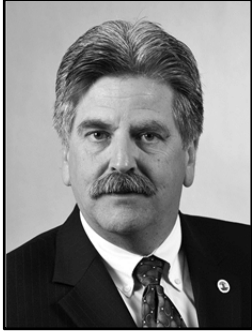
The programs of NCWM and its committees explore the broad area of this economically important segment of governmental regulatory service. NCWM develops and recommends laws and regulations, technical codes for weighing and measuring devices used in commerce, test methods, enforcement procedures, and administrative 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.

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# Taking Measure of Our Worth

Kurt Floren, Chairman  
Los Angeles County, California



Welcome

On behalf of NCWM Chairman Kurt Floren, NCWM is proud to welcome you to the 97th NCWM Annual Meeting in Portland, Maine!

The Annual Meeting is the high point of our year where all the hard work pays off. At this meeting, stakeholders will debate important proposals to amend the United States standards for weights and measures. When the debating is done, the votes will be cast.

Our committees have their work cut out for them with some very full and diverse agendas. Proposals include railway track scales, posting and computing price discounts on retail motor fuel dispensers, high-tech innovations for taximeters, motor oil, gasoline oxygenates, biodiesel blending, hydrogen fuel, pasta, animal bedding, polyethylene sheeting, printer ink and toner cartridges, BOV packaging vs. aerosol, and more.

Special presentations will explore:

- Economic Justification and Demonstrating Value of Weights and Measures, presented by Tim Chesser, Arkansas
- Conducting Effective Marketplace Surveys and Investigations, presented by Judy Cardin, Wisconsin Weights and Measures
- Public Relations and Customer Service as Regulators, presented by Doug Deiman, Alaska Division of Measurement Standards

With all that business going on, we will throw in some interesting speakers, special awards, and social events. Plan to attend the Chairman's reception Sunday evening and join us for a lobster bake at our Bake by the Bay on Wednesday evening.

Maine is a beautiful place to be in July and we have a lot to do, so we'll see you there!

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Please refer to <a href="http://www.ncwm.net/content/2012pub-16">www.ncwm.net/content/2012pub-16</a> to review these documents.	



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*Additional letters, presentations and data may have been part of the PDC consideration.	
Please refer to <a href="http://www.ncwm.net/content/2012pub-16">www.ncwm.net/content/2012pub-16</a> to review these documents.	
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Please refer to <a href="http://www.ncwm.net/content/2012pub-16">www.ncwm.net/content/2012pub-16</a> 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.*

### Saturday, July 14, 2012

**8:30 a.m. – 5:00 p.m.**      **NCWM Board of Directors Meeting**      **Somerset**  
    Chairman  
    Mr. Kurt Floren, Los Angeles County, California

### Sunday, July 15, 2012

**8:00 a.m. – 12:00 p.m.**      **Meter Manufacturers Association**      **Oxford**  
 11:00 a.m. – 5:00 p.m.      Registration and Exhibits      States Corridor

**11:30 a.m. – 12:45 p.m.**      **Welcome Luncheon for New Attendees**      **Cumberland/Kennebec**

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

**1:30 p.m. – 4:00 p.m.**      **Packaging and Labeling Subcommittee**      **Rhode Island**  
    Chair  
    Mr. Christopher Guay, Procter and Gamble, Co.

**1:30 p.m. – 4:00 p.m.**      **Task Group on Printer Ink and Toner Cartridges**      **Connecticut**  
    Chair  
    Ms. Judy Cardin, Wisconsin

**1:30 p.m. – 4:00 p.m.**      **Fuels and Lubricants Subcommittee**      **Oxford**  
    Chair  
    Mr. Ronald Hayes, Missouri

**4:00 p.m. – 5:00 p.m.**      **Standing Committee’s Agenda Review**  
    Specifications and Tolerances Committee      Rhode Island  
    Committee Chair  
    Mr. Steve Giguere, Maine  
    Laws and Regulations Committee      Connecticut  
    Committee Chair  
    Ms. Judy Cardin, Wisconsin  
    Professional Development Committee      Oxford  
    Committee Chair  
    Mr. Stacy Carlsen, Marin County, California  
    NTEP Committee      Somerset  
    Committee Chair  
    Mr. Tim Tyson, Kansas  
    Board of Directors      Somerset  
    Chairman  
    Mr. Kurt Floren, Los Angeles County, California

**5:30 p.m. – 7:00 p.m.**      **Chairman’s Reception**      **Grand Ballroom**

2012 Interim Report Schedule of Events

**Monday, July 16, 2012**

7:00 a.m. – 9:00 a.m.	Light Breakfast	States Corridor
7:00 a.m. – 5:00 p.m.	Registration and Exhibits	States Corridor
<b>8:30 a.m. – 5:00 p.m.</b>	<b>Official Session – Open Hearings</b>	<b>Grand Ballroom</b>
	Presiding Officer Mr. James Byers, San Diego County, California	
	Specifications and Tolerances Committee Committee Chair Mr. Steve Giguere, Maine	
	Laws and Regulations Committee Committee Chair Ms. Judy Cardin, Wisconsin	
	Professional Development Committee Committee Chair Mr. Stacy Carlsen, Marin County, California	
	NTEP Committee Committee Chair Mr. Tim Tyson, Kansas	
	Board of Directors Chairman Mr. Kurt Floren, Los Angeles County, California	
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>	<b>Grand Ballroom</b>

**Tuesday, July 17, 2012**

7:00 a.m. – 9:00 a.m.	Light Breakfast	States Corridor
7:00 a.m. – 5:00 p.m.	Registration and Exhibits	States Corridor
<b>8:00 a.m. – 9:45 a.m.</b>	<b>Official Session – Open Hearings (continued as necessary)</b>	<b>Grand Ballroom</b>
	Presiding Officer Mr. Jerry Butler, North Carolina	
9:45 a.m. – 10:00 a.m.	Break	
<b>10:00 a.m. – 12:00 p.m.</b>	<b>General Session</b>	<b>Grand Ballroom</b>
	Pledge of Allegiance and Invocation Chaplain Mr. Stephen Langford, Cardinal Scale Manufacturing, Co.	
	Welcome Address Mr. Walter E. Whitcomb Commissioner, Maine Department of Agriculture, Food and Rural Service	
	President's Address Dr. Willie May Associate Director of Laboratory Programs Deputy Director, NIST	
	ASTM International Address Mr. David Bradley, ASTM International Director of Standards Development D02 Committee Manager	

**Tuesday, July 17, 2012 Continued**

<b>10:00 a.m. – 12:00 p.m.</b>	<b>General Session Continued</b> Chairman's Address Chairman Mr. Kurt Floren, Los Angeles County, California Awards Ceremony	<b>Grand Ballroom</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>Grand Ballroom</b>
<b>1:30 p.m. – 2:15 p.m.</b>	<b>Economic Justification and Demonstrating Value of Weights and Measures</b> Presenter Mr. Tim Chesser, Arkansas Bureau of Standards	<b>Grand Ballroom</b>
2:15 p.m. – 2:30 p.m.	Break	
<b>2:30 p.m. – 3:15 p.m.</b>	<b>Conducting Effective Marketplace Surveys and Investigations</b> Presenter Ms. Judy Cardin, Wisconsin Weights and Measures	<b>Grand Ballroom</b>
3:15 p.m. – 3:30 p.m.	Break	
<b>3:30 p.m. – 4:15 p.m.</b>	<b>Public Relations and Customer Service as Regulators</b> Presenter Mr. Doug Deiman, Alaska	<b>Grand Ballroom</b>
<b>1:30 p.m. – 5:00 p.m.</b>	<b>Committee Work Sessions</b> Specifications and Tolerances Committee Committee Chair Mr. Steve Giguere, Maine Laws and Regulations Committee Committee Chair Ms. Judy Cardin, Wisconsin Professional Development Committee Committee Chair Mr. Stacy Carlsen, Marin County, California NTEP Committee Committee Chair Mr. Tim Tyson, Kansas Board of Directors Chairman Mr. Kurt Floren, Los Angeles County, California	Rhode Island  Connecticut  Oxford  Somerset  Somerset
<b>5:00 p.m. – 6:00 p.m.</b>	<b>Associate Membership Committee</b>	<b>Grand Ballroom</b>
<b>8:00 p.m.</b>	<b>Addendum Sheets Available</b>	<b>States Corridor</b>

**Wednesday, July 18, 2012**

7:00 a.m. – 9:00 a.m.	Light Breakfast	States Corridor
7:00 a.m. – 3:30 p.m.	Registration and Exhibits	States Corridor
<b>9:00 a.m. – 12:00 p.m.</b>	<b>Regional Association Meetings</b> Central Weights and Measures Association Northeastern Weights and Measures Association Southern Weights and Measures Association Western Weights and Measures Association	Rhode Island Oxford Connecticut Somerset

2012 Interim Report Schedule of Events

**Wednesday, July 18, 2012 Continued**

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>Grand Ballroom</b>
	Presiding Officer	
	Mr. Jack Walsh, Town of Wellesley, Massachusetts	
	Parliamentarian	
	Mr. Louis Straub, Fairbanks Scale, Inc.	
	Professional Development Committee	
	Committee Chair	
	Mr. Stacy Carlsen, Marin County, California	
	Specifications and Tolerances Committee	
	Committee Chair	
	Mr. Steve Giguere, Maine	
	Laws and Regulations Committee	
	Committee Chair	
	Ms. Judy Cardin, Wisconsin	
<b>5:15 p.m. – 9:15 p.m.</b>	<b>Bake By the Bay</b>	

**Thursday, July 19, 2012**

7:00 a.m. – 9:00 a.m.	Light Breakfast	States Corridor
7:00 a.m. – 10:00 a.m.	Registration and Exhibits	States Corridor
<b>9:00 a.m. – 12:00 p.m.</b>	<b>Voting Session Continued</b>	<b>Grand Ballroom</b>
	Presiding Officer	
	Mr. Ivan Hankins, Iowa	
	Parliamentarian	
	Mr. Louis Straub, Fairbanks Scale, Inc.	
	NTEP Committee	
	Committee Chair	
	Mr. Tim Tyson, Kansas	
	Board of Directors	
	Chairman	
	Mr. Kurt Floren, Los Angeles County, California	
	Nominating Committee	
	Committee Chair	
	Mr. Tim Tyson, Kansas	
	<b>Closing Ceremony</b>	
	Passing of the Gavel	
	Chairman	
	Mr. Kurt Floren, Los Angeles County, California	
	New Chairman's Address	
	Chairman	
	Mr. Stephen Benjamin, North Carolina	
	Benediction	
	Chaplain	
	Mr. Stephen Langford, Cardinal Scale Manufacturing, Co.	
	Adjourn	

## 2011 – 2012 Organizational Chart

### NCWM Board of Directors (BOD)

Office	Name	Affiliation	Term Ends
Chairman	Kurt Floren	Los Angeles County, California	2012
Chairman-Elect	Stephen Benjamin	North Carolina	2012
NTEP Committee Chair	Tim Tyson	Kansas	2012
Treasurer	Mark Coyne	City of Brockton, Massachusetts	2012
Active Membership - Western	Brett Saum	San Luis Obispo County, California	2012
Active Membership - Central	Ronald Hayes	Missouri	2015
Active Membership - Southern	Terence McBride	Memphis, Tennessee	2013
Active Membership - Northeastern	James Cassidy	City of Cambridge, Massachusetts	2014
At-Large	John Gaccione	Westchester County, New York	2016
At-Large	Stephen Langford	Cardinal Scale Manufacturing, Co.	2013
Associate Membership	Gordon Johnson	Gilbarco, Inc.	2013
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 Headquarters	NA
Advisory	Gilles Vinet	Measurement Canada	NA
NTEP Administrator	Jim Truex	NCWM Headquarters	NA

### National Type Evaluation Program (NTEP)

Office	Name	Affiliation	Term Ends
Committee Chair	Tim Tyson	Kansas	2012
Member	Kurt Floren	Los Angeles County, California	2012
Member	Stephen Benjamin	North Carolina	2012
Member	Brett Saum	San Luis Obispo County, California	2012
Member	James Cassidy	City of Cambridge, Massachusetts	2014
NTEP Administrator	Jim Truex	NCWM Headquarters	NA

### Finance Committee

Office	Name	Affiliation	Term Ends
Committee Chair	Stephen Benjamin	North Carolina	2013
Member	Mark Coyne	City of Brockton, Massachusetts	2013
Member	John Gaccione	Westchester County, New York	2014
Member	Gordon Johnson	Gilbarco, Inc.	2013
Executive Director	Don Onwiler	NCWM Headquarters	NA

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


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Office	Name	Affiliation	Term Ends
Committee Chair	Judy Cardin	Wisconsin	2013
Member	Louis Sakin	Town of Hopkinton, Massachusetts	2012
Member	Raymond Johnson	New Mexico	2014
Member	Tim Lloyd	Montana	2015
Member	Richard Lewis	Georgia	2016
Associate Membership Representative	Rob Underwood	Petroleum Marketers Association of America	2013
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

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


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Office	Name	Affiliation	Term Ends
Committee Chair	Steve Giguere	Maine	2012
Member	Kenneth Ramsburg	Maryland	2013
Member	Paul Moyer	Nebraska	2014
Member	Brett Gurney	Utah	2015
Member	Mahesh Albuquerque	Colorado	2016
Canadian Technical Advisor	Ted Kingsbury	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

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**Professional Development Committee (PDC)**


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Office	Name	Affiliation	Term Ends
Committee Chair	Stacy Carlsen	Marin County, California	2012
Member	Julie Quinn	Minnesota	2013
Member	Dale Saunders	Virginia	2014
Member	Cheryl Ayer	New Hampshire	2015
Member	Kristin Macey	California	2016
Associate Membership Representative	Steven Grabski	Wal-Mart Stores, Inc.	2013
Safety Liaison	TBD		NA
NIST Technical Advisor	TBD		NA
Certification Coordinator	Ross Andersen		NA

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**Nominating Committee**


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Office	Name	Affiliation	Term Ends
Committee Chair	Tim Tyson	Kansas	2012
Member	Judy Cardin	Wisconsin	2012
Member	Charles Carroll	Massachusetts	2012
Member	Thomas Geiler	Barnstable, Massachusetts	2012
Member	Joe Gomez	New Mexico	2012
Member	Maxwell Gray	Florida	2012
Member	Randy Jennings	Tennessee	2012

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**Credentials Committee**


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<b>Office</b>	<b>Name</b>	<b>Affiliation</b>	<b>Term Ends</b>
Committee Chair	Alex Smith	Barnstable, Massachusetts	2012
Member	Lisa Leondis	San Diego County, California	2013
Member	Craig VanBuren	Michigan	2014
Coordinator	Thomas Geiler	Barnstable, Massachusetts	2013

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**Appointive Officials**


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<b>Office</b>	<b>Name</b>	<b>Affiliation</b>	<b>Term Ends</b>
Chaplain	Stephen Langford	Cardinal Scale Manufacturing, Co.	2012
Parliamentarian	Louis Straub	Fairbanks Scale, Inc.	2012
Presiding Officer	Jerry Butler	North Carolina	2012
Presiding Officer	James Byers	San Diego County, California	2012
Presiding Officer	Ivan Hankins	Iowa	2012
Presiding Officer	Jack Walsh	Town of Wellesley	2012
Sergeants-at-Arms	Bradford Bachelder	Maine	2012
Sergeants-at-Arms	Conrad Brown	Maine	2012

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**Associate Membership Committee (AMC)**


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<b>Office</b>	<b>Name</b>	<b>Affiliation</b>	<b>Term Ends</b>
Committee Chair	Robert Murnane, Jr.	Seraphin Test Measure, Co.	2012
Committee Vice Chair	Christopher Guay	Procter and Gamble, Co.	2012
Secretary / Treasurer	Darrell Flocken	Mettler-Toledo, LLC	2012
Member	Paul Hoar	AgriFuels, LLC/NBB	2012
Member	Darrell Flocken	Mettler-Toledo, LLC	2013
Member	Michael Gaspers	Farmland Foods, Inc.	2013
Member	Paul A. Lewis, Sr.	Rice Lake Weighing Systems, Inc.	2014
Member	Robert Murnane, Jr.	Seraphin Test Measure, Co.	2014
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	Pete O'Bryan	Foster Farms	2016



Organizational Chart

<b>Fuels and Lubricants Subcommittee (FALS)</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
Chair	Ronald Hayes	Missouri
NIST Technical Advisor	Kenneth Butcher	NIST, Office of Weights and Measures
NIST Technical Advisor	David Sefcik	NIST, Office of Weights and Measures
Public Sector Member	Mahesh Albuquerque	Colorado
Public Sector Member	Stephen Benjamin	North Carolina
Public Sector Member	Matthew Curran	Florida
Public Sector Member	Steven Harrington	Minnesota
Public Sector Member	Randy Jennings	Tennessee
Public Sector Member	Kristin Macey	California
Public Sector Member	Hal Prince	Maine
Public Sector Member	William Spitzley	Michigan
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	Conoco Phillips
Private Sector Member	Daniel Gilligan	Petroleum Marketers Association of America
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	Patrick Kelly	API
Private Sector Member	Brian Knapp	API
Private Sector Member	R. Scotti Lee	
Private Sector Member	Roger Leisenring, Jr.	KiOR
Private Sector Member	Russ Lewis	Marathon Petroleum, LLC
Private Sector Member	Andrea Martincic	Arizona Petroleum Marketers Association
Private Sector Member	James McGetrick	BP Products
Private Sector Member	Kristin Moore	Renewable Fuels Association
Private Sector Member	Manuch Nikanjam	Chevron Global Downstream, LLC
Private Sector Member	Robert Reynolds	Downstream Alternatives, Inc.
Private Sector Member	Rebecca Richardson	MARC IV Consulting
Private Sector Member	Alexander Schuettenberg	Conoco Philips
Private Sector Member	Curtis Williams	CP Williams Energy Consulting, LLC
Private Sector Member	William Woebkenberg	Mercedes-Benz Research and Development NA

<b>Packaging and Labeling Subcommittee</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
Committee Chair	Christopher Guay	Procter and Gamble, Co.
NIST Technical Advisor	David Sefcik	NIST, Office of Weights and Measures
Public Sector Member (CWMA)	Vicky Dempsey	Montgomery County Weights and Measures
Public Sector Member (NEWMA)	Frank Greene	Connecticut
Public Sector Member (SWMA)	Bill Tedder	North Carolina
Public Sector Member (WWMA)	Angela Godwin	County of Ventura
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.

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**Multiple Dimensions Measuring Device Work Group**


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<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
Chair	Robert Kennington	Quantronix, Inc.
NIST Technical Advisor	Steven Cook	NIST, Office of Weights and Measures
Public Sector Member	Fran Elson-Houston	Ohio
Public Sector Member	Ted Kingsbury	Measurement Canada
Public Sector Member	Justin Rae	Measurement Canada
Private Sector Member	Scott Wigginton	United Parcel Service

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**Task Group on Printer Ink and Toner Cartridges**


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<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
Chair	Judy Cardin	Wisconsin
NIST Technical Advisor	Lisa Warfield	NIST, Office of Weights and Measures
Public Sector Member	Mike Boitano	Amador County
Public Sector Member	Max Gray	Florida
Public Sector Member	Jack Walsh	Town of Wellesley, Massachusetts
Private Sector Member	Matthew Barkley	Hewlett Packard Co.
Private Sector Member	Melody Culton	Brother International
Private Sector Member	Paul Jeran	Hewlett Packard Co.
Private Sector Member	Alfred Menard	Lexmark International
Private Sector Member	Stratt Pinagel	Walmart Stores, Inc.
Private Sector Member	Josh Rosenberg	Information Technology Industry Council

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


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<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	Dan Reiswig	California
Public Sector Member	Jerry Buendel	Washington State Department of Agriculture
Public Sector Member	Michael Sikula	New York
Private Sector Member	Rex Brown	Petroleum Equipment Institute
Private Sector Member	Gordon Johnson	Gilbarco, Inc.
Private Sector Member	Phil Katselnik	Dresser Wayne
Private Sector Member	Patrick Lewis	KickBack Reward Systems
Private Sector Member	Mike Roach	VeriFone
Private Sector Member	Richard Suiter	Richard Suiter Consulting
Private Sector Member	Rob Underwood	Petroleum Marketers Association of America

Organizational Chart

<b>NTETC 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>NTETC Grain Analyzer Sector</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
Chair	Cassie Eigenmann	DICKEY-john Corporation
Co-Technical Advisor	Jack Barber	J B Associates
Co-Technical Advisor	G. Diane Lee	NIST, Office of Weights and Measures
NTEP Administrator	Jim Truex	NCWM Headquarters
Public Sector Member	Randall Burns	Arkansas
Public Sector Member	Tina Butcher	NIST, Office of Weights and Measures
Public Sector Member	Karl Cunningham	Illinois
Public Sector Member	Ivan Hankins	Iowa
Public Sector Member	Thomas Hughes	Missouri
Public Sector Member	Richard Pierce	USDA, GIPSA Technical Services Division
Private Sector Member	Cheryl Tew	North Carolina
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.

<b>NTETC Measuring Sector</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
Chair	Michael Keilty	Endress + Hauser Flowtec AG, USA
Technical Advisor	Marc Buttler	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	Michael Frailer	Maryland
Public Sector Member	James (Steve) Hadder	Florida
Public Sector Member	John Roach	California
Private Sector Member	Steve Bar	Bennett Pump Company
Private Sector Member	Rodney 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	Daniel Maslowski	LTS Sales
Private Sector Member	Wade Mattar	Invensys / Foxboro
Private Sector Member	Richard Miller	FMC Technologies Measurement Solutions, Inc.
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	Richard Tucker	RL Tucker Consulting, LLC
Private Sector Member	Kelly White	Itron, Inc.

Organizational Chart

<b>NTETC Software Sector</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
Chair	James Pettinato	FMC Technologies Measurement Solutions, Inc.
Technical Advisor	Doug Bliss	Mettler-Toledo, LLC
Secretary	Teri Gulke	Liquid Controls, LLC
NTEP Administrator	Jim Truex	NCWM Headquarters
Public Sector Member	Dennis Beattie	Measurement Canada
Public Sector Member	Michael Frailer	Maryland
Public Sector Member	Edward Payne	Maryland
Public Sector Member	Ken Jones	California
Public Sector Member	John Raoch	California
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	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	Thomas Fink	ITW Food Equipment / Hobart
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	Michael McGhee	Itron, Inc.
Private Sector Member	Richard Miller	FMC Technologies Measurement Solutions, Inc.
Private Sector Member	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.

<b>NTETC Weighing Sector</b>		
<b>Office</b>	<b>Name</b>	<b>Affiliation</b>
Chair	Darrell Flocken	Mettler-Toledo, LLC
Technical Advisor	Rick Harshman	NIST, Office of Weights and Measures
NTEP Administrator	Jim Truex	NCWM Headquarters
Public Sector Member	L. Cary Ainsworth	USDA, GIPSA
Public Sector Member	Bryon School	USDA, GIPSA, FGIS
Public Sector Member	Luciano Burtini	Measurement Canada
Public Sector Member	Tina Butcher	NIST, Office of Weights and Measures
Public Sector Member	Terry Davis	Kansas
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	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	Mitchell Eyles	Flintec, Inc.
Private Sector Member	Robert Feezor	Scales Consulting and Testing
Private Sector Member	Scott Henry	NCR Corporation
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	Stock Equipment Company Schenck Process Transport N.A.
Private Sector Member	Nigel Mills	Hobart Corporation
Private Sector Member	Wayne Pugh	OCS Checkweighers, Inc.
Private Sector Member	Louis Straub	Fairbanks Scales, Inc.
Private Sector Member	Jerry Wang	A&D Engineering, Inc.
Private Sector Member	Walter Young	Emery Winslow Scale Company

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


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States		Contact	Meetings
<ul style="list-style-type: none"> <li>• Illinois</li> <li>• Indiana</li> <li>• Iowa</li> <li>• Kansas</li> <li>• Michigan</li> <li>• Minnesota</li> </ul>	<ul style="list-style-type: none"> <li>• Missouri</li> <li>• Nebraska</li> <li>• North Dakota</li> <li>• Ohio</li> <li>• South Dakota</li> <li>• Wisconsin</li> </ul>	Vicky Dempsey Montgomery County Weights and Measures Phone: (937) 225-6309 Email: <a href="mailto:dempseyv@mcoho.org">dempseyv@mcoho.org</a>	<b>Annual Meeting:</b> May 21-24, 2012 Cedar Rapids, IA  <b>Interim Meeting:</b> September 10-13, 2012 Bettendorf, IA

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


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States		Contact	Meetings
<ul style="list-style-type: none"> <li>• Connecticut</li> <li>• Maine</li> <li>• Massachusetts</li> <li>• New Hampshire</li> <li>• New Jersey</li> </ul>	<ul style="list-style-type: none"> <li>• New York</li> <li>• Pennsylvania</li> <li>• Rhode Island</li> <li>• Vermont</li> <li>• Puerto Rico</li> </ul>	James Cassidy City of Cambridge Weights and Measures Department Phone: (617) 349-6133 Email: <a href="mailto:jcassidy@cambridgema.gov">jcassidy@cambridgema.gov</a>	<b>Annual Meeting:</b> May 14-17, 2012 Seekonk, MA  <b>Interim Meeting:</b> October 16-17, 2012 Springfield, MA

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


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States		Contact	Meetings
<ul style="list-style-type: none"> <li>• Alabama</li> <li>• Arkansas</li> <li>• Delaware</li> <li>• District of Columbia</li> <li>• Florida</li> <li>• Georgia</li> <li>• Kentucky</li> <li>• Louisiana</li> <li>• Maryland</li> </ul>	<ul style="list-style-type: none"> <li>• Mississippi</li> <li>• North Carolina</li> <li>• Oklahoma</li> <li>• South Carolina</li> <li>• Tennessee</li> <li>• Texas</li> <li>• US Virgin Islands</li> <li>• Virginia</li> <li>• West Virginia</li> </ul>	Stephen Benjamin North Carolina Department of Agriculture Phone: (919) 733-3313 Email: <a href="mailto:steve.benjamin@ncagr.gov">steve.benjamin@ncagr.gov</a>	<b>Annual Meeting:</b> October 7-10, 2012 Louisville, Kentucky

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


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States		Contact	Meetings
<ul style="list-style-type: none"> <li>• Alaska</li> <li>• Arizona</li> <li>• California</li> <li>• Colorado</li> <li>• Hawaii</li> <li>• Idaho</li> <li>• Montana</li> </ul>	<ul style="list-style-type: none"> <li>• Nevada</li> <li>• New Mexico</li> <li>• Oregon</li> <li>• Utah</li> <li>• Washington</li> <li>• Wyoming</li> </ul>	Doug Deiman Alaska Division of Measurement Standards/CVE Phone: (907) 365-1222 Email: <a href="mailto:doug.deiman@alaska.gov">doug.deiman@alaska.gov</a>	<b>Annual Meeting:</b> September 16-20, 2012 Breckenridge, CO

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**Past Chairman**


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<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 Chairman</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

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**Past Chairman**

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<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

Past Chairman

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## 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 15, 2012

11:30 a.m. – 12:45 p.m.

Welcome Luncheon for New Attendees

Cumberland/Kennebec

### 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/content/2012pub-16](http://www.ncwm.net/content/2012pub-16) to review these documents.

## DESIGNATION OF ITEM STATUS

The Committee Interim Reports contain recommendations and information on items discussed at the 2012 NCWM Interim Meeting held January 22-25, 2012, in New Orleans, Louisiana. 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 17, 2012. Committee Interim Reports may be further modified as a result of actions taken by the committee or membership during the Voting Sessions on July 18-19, 2012.

## 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/content/bylaws](http://www.ncwm.net/content/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/content/annual-meeting-process](http://www.ncwm.net/content/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 97<sup>th</sup> Annual Meeting of the National Conference on Weights and Measures, 2012*, to be posted to NCWM website at [www.ncwm.net](http://www.ncwm.net). Electronic copies of the *Report of the 97<sup>th</sup> Annual Meeting of the National Conference on Weights and Measures, 2012* 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  
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## **INTERIM MEETING**

NCWM Interim Meeting will be held at the Francis Marion Hotel, Charleston, South Carolina, January 27-30, 2013.

## **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.