



National Conference on Weights and Measures  
"That Equity May Prevail"

# Professional Development Committee

Open Hearings  
San Antonio, TX  
Stacy Carlsen, Chair



# Professional Development Committee Membership

- Stacy Carlsen, Chair (Marin County, CA)
- Lori Jacobson (South Dakota)
- Gene Robertson (Mississippi)
- Cheryl Ayer (New Hampshire)
- Marco Mares (San Diego County, CA)
- Richard Shipman (Rice Lake Weighing Sys.)
- Tina Butcher (NIST Technical Advisor)
- Ross Andersen (Certification Coordinator)



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# 4100-1 Professional Certification Program

Ross Andersen – Certification Coordinator



# Certification Program Growth

## Certificates Issued

\*Statistic based on October 1st to September 30<sup>th</sup> calendar year

	<b>FY10-11</b>	<b>FY11-12</b>	<b>FY12-13</b>	<b>FY13-14</b>	<b>FY14-15</b>	<b>FY15-16</b>
Count in Year	44	94	106	61	200	136
Cumulative	44	138	244	305	505	641

<b>Certification (posted)</b>	<b>Certificates</b>
RMFD (5/2010)	273
Small Scales (8/2012)	153
Package Check (8/2012)	98
Medium Capacity (4/2015)	49
Large Capacity (4/2015)	30
VTM (4/2015)	38



# Certificate Type Issued By Year

	10-11	11-12	12-13	13-14	14-15	15-16	All
Small Scale		6	59	21	46	21	153
Med Scale					30	19	49
Lg Scale					11	19	30
RMFD	44	83	22	16	68	40	273
VTM					20	18	38
Pkg Chk		5	25	24	25	19	98
Total	44	94	106	61	200	136	641



# Certified Professionals - A Summary

Culmination of PDC Activities	FY16
Number of Disciplines Offered:	6
Number of Individuals Participating:	458
Number of Organizations Participating:	107
Certifications Issued:	641

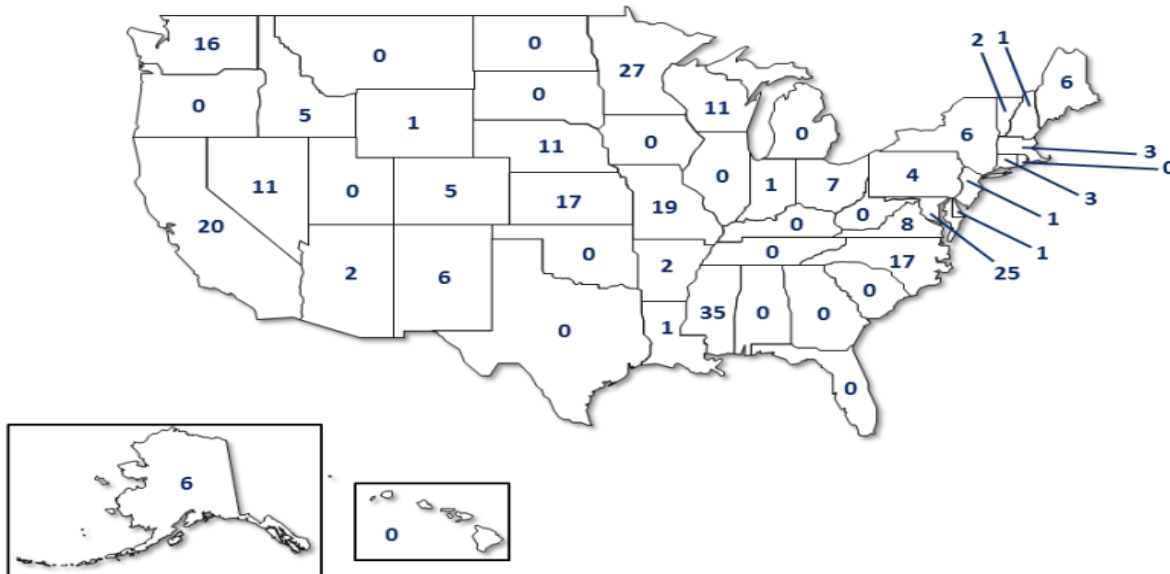
State	Certificates
Missouri	102
Minnesota	92
Maryland	65
Mississippi	44
Nebraska	33
Alaska	27
California	27
Washington	26
Wisconsin	26
Kansas	25
North Carolina	24
Virginia	23



# State Utilization of Program\* Number of Individuals Certified

## Distribution of Certified Professionals per State

Updated: September 2016



\*Includes only unexpired certificates as of 9/30/2016.



# Testing Objectives

- Unlike most training exams, certification exams try to discriminate at the passing grade.
- Overall average and median score should fall somewhere near the passing grade to be effective.
- As a result, we are not overly concerned about the high and low achievers.





# Exam Results

Certificate Type	Average	Median
Small Capacity	33.2	34
Medium Capacity	33.2	35
Large Capacity	32.0	32
Retail MF Dispensers	35.5	36
Vehicle Tank Meters	32.0	31
Package Checking	33.2	34



# 4100-1 Professional Certification

## Examinations, Announcements, and Modules Delivered to NCWM Headquarters December 2016

- Basic Competency – Weighing
- Basic Competency – Measuring

## Next Two Professional exams in pipeline include:

- LPG Liquid Measuring – Modules Posted on Website
- Price Verification
- *Look for Modules on website*



# Exam Survey

Plan to use Survey Monkey to collect data and feedback from candidates on:

- Exam experience
- Ease of ordering and taking exam
- Difficulty of exam in relation to learning objectives
- Usefulness of NCWM resources for exam preparation
- Demographic data



# Appreciation to SME's

- The PDC appreciates the work of our SME's
- The PDC hopes that state directors will encourage their staff to volunteer as SME





# Proctoring System Development

- Proctoring system is critical to accreditation of exams
- Considering how to establish uniform controls for State, local, and private testing centers
- Rules for Candidate and Proctor to maintain the integrity of the certification





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## 4100-2 Training

## 4100-3 Instructor Improvement

Tina Butcher – NIST



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# 4100-4 Topics for Conference Training



# 4100-4 Conference Topics

## Recent Suggestions:

- Ethanol Flex Fuel and Biodiesel Blender Pumps
- Protecting Remote Workers from Active Shooters and Interpersonal Violence
- Life Cycle of Petroleum from Well to Retail (API)
- OSHA Inspections and Standards
- Audit Trail and Device Software Training





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# 4200-1 Safety Awareness



# Safety Task Group

- BOD authorized Safety Task Group
  - Charter created
  - Identify
    - Safety hazards and challenges
    - Available Resources
    - Gaps in Resources
  - Looking for volunteers



# Safety Survey

- Roll out at end of February
- Associate member organizations able to participate too



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