

United States Department of Commerce
National Institute of Standards and Technology

CERTIFICATE OF TRAINING
Daniel Gibbons

IS HEREBY RECOGNIZED FOR SUCCESSFUL COMPLETION OF
Southwest Assurance Program
October 6 - 10, 2003
Austin, Texas



Topics Attended:
Round Robin Analysis & Planning
Measurement Assurance (SOP 9, 20)
Basic Mass Review (GMP 16, SOP 4, 5, 6)
Intermediate Mass Review (SOP 5, 20)
Air Density & Buoyancy Review (SOP 2)
Gravimetric Calibration Review (SOP 13, 14, 15)
Internal Auditing

Henry F. Oppenwald
Henry F. Oppenwald
Weights and Measures Division

George J. Harris
George J. Harris
Laboratory Metrology Group

Daniel Gibbons
Daniel Gibbons
Texas Department of Agriculture

United States Department of Commerce
National Institute of Standards and Technology

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IS HEREBY RECOGNIZED FOR SUCCESSFUL COMPLETION OF
Basic Metrology for States
April 19 - 30, 2004
Gaithersburg, Maryland



Topics:
Mass: Statistics, Measurement Assurance
SOP 5, Single Substitution
SOP 6, Multiple Substitution
SOP 8, Double Substitution
GMP 16, 11, 12, 13, Good Measurement
Precision
Volume: SOPs 16, 18, 19, 21
Length: SOPs 16, 11, 12

Henry F. Oppenwald
Henry F. Oppenwald
Weights and Measures Division

George J. Harris
George J. Harris
Laboratory Metrology Group

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CERTIFICATE OF TRAINING
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IS HEREBY RECOGNIZED FOR SUCCESSFUL COMPLETION OF
Intermediate Metrology Seminar
December 11 - 15, 2006
Gaithersburg, Maryland



Topics:
Statistics, Control Charting
Measurement Assurance
SOP 2, 4, 9, 13, 20, 13, 14, 15
Buoyancy Corrections, Mass Weighing Design
Gravimetric Volume Calibration

Carol T. Hockett
Carol T. Hockett
Weights and Measures Division

George J. Harris
George J. Harris
Laboratory Metrology Group

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IS HEREBY RECOGNIZED FOR SUCCESSFUL COMPLETION OF
Southwestern Measurement Assurance Program - Intermediate Seminar
September 10 - 14, 2007
Las Cruces, New Mexico



Topics Attended:
Spreadsheet F.A.I.
Intermediate Statistics
Round Robin Analysis
Measurement Assurance: SOP 9, 17, 20, 30
Uncertainties: SOP 20
Air & Water Density: SOP 2, GMP 16
Mass and Expansion Coefficients: GMP 3
Volume Calibration Basics
Volume Procedures Overview: SOP 18, 19
Weighing Design: SOP 5, 20
Sensitivity Weights: GMP 14
Gravimetric Volume Calibration: SOP 14

Carol T. Hockett
Carol T. Hockett, Chief, Weights and Measures Division

George J. Harris
George J. Harris, Laboratory Metrology Group

Daniel Gibbons, Texas Department of Agriculture

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IS HEREBY RECOGNIZED FOR SUCCESSFUL COMPLETION OF
Southwest Assurance Program (SWAP)
Hot Springs, AR
September 15 to 18, 2008



Topics Attended:
Round Table Discussion & Lab Best Practices
PT/HC Reporting, Analysis and Planning
Mass Calibration: GMP 16, SOP 4, SOP 4
PT Analysis Tools
Excel for Metrology Applications
Balance Manufacturer Equipment Assessment
Best Practices on Succession Planning and Internal Auditing
Volume Calibrations: SOP 19 and Neck Scale Testing

George J. Harris
George J. Harris
Laboratory Metrology Group

Carol T. Hockett
Carol T. Hockett
Laboratory Metrology Group

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IS HEREBY RECOGNIZED FOR SUCCESSFUL COMPLETION OF
2009 Laboratory Administration Workshop
June 22 - 26, 2009
Austin, Texas



Topics:
NIST Handbook 115, 2007 edition
NIST Handbook 116, 2006 edition
ISO/IEC 17025:2005

George J. Harris
George J. Harris, NIST Weights and Measures Division
Laboratory Metrology Group

Elizabeth Genovese
Elizabeth Genovese, NIST Weights and Measures Division
Laboratory Metrology Group

Carol T. Hockett
Carol T. Hockett, Chief
NIST Weights and Measures Division
Laboratory Metrology Group

National Institute of Standards and Technology

CERTIFICATE OF COMPLETION
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has successfully completed
Webinar: Software Verification and Validation (2 hours)
September 21, 2009




Carol T. Hockett
Carol T. Hockett, Chief
NIST Weights and Measures Division

George J. Harris
George J. Harris, Instructor
NIST Weights and Measures Division
Laboratory Metrology Group

National Institute of Standards and Technology

CERTIFICATE OF COMPLETION
Daniel Gibbons

has successfully completed
Webinar: Laboratory Annual Submission Process (2 hours)
September 24, 2009



George J. Harris
George J. Harris, Instructor
NIST Weights and Measures Division
Laboratory Metrology Group

Elizabeth Genovese
Elizabeth Genovese, Instructor
NIST Weights and Measures Division
Laboratory Metrology Group

Carol T. Hockett
Carol T. Hockett, Chief
NIST Weights and Measures Division

National Institute of Standards and Technology

CERTIFICATE OF COMPLETION

Daniel Gibbons

Has successfully completed
Webinar: Proficiency Testing Follow Up Actions and Root Cause Analysis (2 hours)
October 15, 2009



Carol T. Hockett, Chief
NIST Office of Weights and Measures Division

Val Miller, Inspector
NIST Weights and Measures Division
Laboratory Metrology Group

United States Department of Commerce
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CERTIFICATE OF TRAINING

Daniel Gibbons

IS HEREBY RECOGNIZED FOR SUCCESSFUL COMPLETION OF
Southwest Assurance Program (SWAP)
October 4 - 7, 2010
Gaithersburg, Maryland



George L. Harris, Laboratory Metrology Group

Val Miller, Laboratory Metrology Group

NOTE: Proficiency Demonstrated for:
(1) 10g, 100g, 1kg, 1g, 100mg
(2) 15 ml volume
(3) 20 ml glass measure

United States Department of Commerce
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CERTIFICATE OF ACHIEVEMENT

This Certificate is awarded to:

Daniel Gibbons

For Successful Completion of
Webinar: NISTIR 6969 SOP 8
Part 1 & 2
June 20-21, 2012



Carol T. Hockett, Chief
NIST Office of Weights and Measures

Val Miller, NIST Office of Weights and Measures
Laboratory Metrology Program

8.7 CEUs Awarded

United States Department of Commerce
National Institute of Standards and Technology

CERTIFICATE OF ACHIEVEMENT

This Certificate is awarded to:

Daniel Gibbons

For Successful Completion of
Webinar - Traceability Assessments for
Weights and Measures
June 28, 2012



Carol T. Hockett, Chief
NIST Office of Weights and Measures

George L. Harris, NIST Office of Weights and Measures
Laboratory Metrology Program

8.2 CEUs Awarded

United States Department of Commerce
National Institute of Standards and Technology

CERTIFICATE OF ACHIEVEMENT

This Certificate is awarded to:

Daniel Gibbons

For Successful Completion of
Southwestern Assurance Program
(SWAP)
Phoenix, Arizona
September 23-27, 2013



- Topics:
- Laboratory Based Table
 - Mass and Force Group- Updates and Technical Concepts
 - Proficiency Testing Reports and Planning
 - Exact Tps and Trcks
 - Update Statistics (NIST 10)
 - Specifications and Tolerances for Field Standard Weights (NIST Handbook 105-1)

Carol T. Hockett, Chief
NIST Office of Weights and Measures

Val Miller, Inspector
NIST Office of Weights and Measures
Laboratory Metrology Program

7.9 CEUs Awarded

CC00862 / Rev. July 2013

United States Department of Commerce
National Institute of Standards and Technology

CERTIFICATE OF ACHIEVEMENT

This Certificate is awarded to:

Dan Gibbons

For Successful Completion of
Southwest Assurance Program (SWAP)
September 24 - 27, 2012



- Topics:
- Laboratory Based Table
 - Proficiency Testing Status and Planning
 - Regular Evaluation
 - Laboratory Customer Service
 - Traceability Assessments
 - Mass Calibration Procedures and Assessments (NISTIR 5522, 5995)
 - Volume Calibration Procedures and Assessments (NISTIR 7343)

Carol T. Hockett, Chief
NIST Office of Weights and Measures

George L. Harris, NIST Office of Weights and Measures
Laboratory Metrology Program

12 CEUs Awarded

United States Department of Commerce
National Institute of Standards and Technology

CERTIFICATE OF ACHIEVEMENT

This Certificate is awarded to:

Daniel Gibbons

For Successful Completion of
Southwestern Assurance Program
(SWAP)
September 28 to October 1, 2015



- Topics:
- Quality Tools for Metrology
 - Round Table
 - Proficiency Testing
 - Fundamentals Overview

Carol T. Hockett, Chief
NIST Office of Weights and Measures

George L. Harris, NIST Office of Weights and Measures
Laboratory Metrology Program

Val Miller, Inspector
NIST Office of Weights and Measures
Laboratory Metrology Program

2.9 CEUs Awarded

CC00862 / February 2014

