

Metrology Workshop for the G.C.C.:
From the Laboratory to the Marketplace
8 –19 July 2002

SCHEDULE

Sunday, 7 July

Arrive in Washington, D.C.

Monday, 8 July

10:00 - 11:30 AM	Workshop Orientation - Chesapeake Room Summerfield Suites Hotel 200 Skidmore Boulevard Gaithersburg, Maryland Tel: 301-527-6000
11:30 AM – 12:30 PM	LUNCH
12:30 PM	Depart for NIST
1:00 – 1:30 PM	<u>Site Visit Overview</u> Jorge R. Urrutia, Director of Administration Program Director for AML, NIST
1:30 – 3:00 PM	<u>Tour: NIST Advanced Measurement Laboratory (AML)</u> Robert F. Moore, Deputy Director for Safety and Facilities Deputy Program Director for AML
3:00 – 3:30 PM	BREAK Travel to Site Visit
3:30 – 4:00 PM	<u>Site Visit Overview</u> Dr. William F. Koch, Deputy Director Chemical Science and Technology Laboratory, NIST
4:00 – 5:00 PM	<u>Tour: NIST Advanced Chemical Sciences Laboratory (ACSL)</u>
5:00 PM	Depart for Hotel

Tuesday, 9 July

NIST Administration Bldg. 101, Lecture Room - B

8:00 AM	Bus Pick up From Hotel
8:30 – 9:00 AM	<u>Welcome and Introductions</u> Mary H. Saunders, Chief Standards Services Division
9:00 – 10:00 AM	<u>Overview of NIST Technical Programs</u> Dr. Susan F. Heller-Zeisler, International Affairs Officer Office of International and Academic Affairs Office of the Director, NIST
10:00 – 10:30 AM	<u>The Role of the NIST Standards Representative</u> Khaled Masri, NIST Standards Representative in the G.C.C. Region
10:30 - 11:00 AM	BREAK
11:00 AM – 12:00 PM	<u>Planning and Design Concepts for Laboratory Construction</u> Douglas J. Cooper, Director International Sales TAC/Control Solutions
12:00 - 12:30 PM	Questions and Answers
12:30 – 12:45 PM	Administrative Needs
12:45 – 2:15 PM	LUNCH Group Photo
2:15 – 3:00 PM	<u>Tour: NIST Centennial Exhibit</u> Gail Porter Public and Business Affairs Division, NIST
3:00 – 3:15 PM	BREAK
3:15 – 4:30 PM	<u>Overview of the National Conference of Standards Laboratories International (NCSLI)</u> Georgia Harris, Physical Scientist Weights and Measures Division, NIST
4:30 PM	Depart for Hotel

Wednesday, 10 July

NIST Administration Bldg. 101, Lecture Room - B

8:00 AM	Bus Pick up From Hotel
8:30 – 10:15 AM	<u>Laboratory Metrology To Support Conformity Assessment</u> <ul style="list-style-type: none">• Traceability• Measurement Uncertainty• Calibration <p>Carroll S. Brickenkamp Consultant to NIST Vice President, The Pi Group</p> <p>Ernest L. Garner Consultant to NIST President, The Pi Group</p>
10:15 – 10:45 AM	BREAK
10:45 – 11:30 AM	<u>Laboratory Metrology Best Practices (continued)</u>
11:30 AM – 12:30 PM	LUNCH
12:30 PM	Depart for Site Visit 50 Harry S. Truman Parkway Annapolis, Maryland 410 841 5790
1:30 – 4:00 PM	<u>Tour: Maryland State Weights and Measures Laboratory</u> <p>Lou E. Straub, Chief Weights and Measure Laboratory Department of Agriculture, State of Maryland</p> <ul style="list-style-type: none">• Lab Tour• Type Evaluation• Training of Officials• Field Enforcement• Inspection Methods
4:15 PM	Depart for Hotel

Thursday, 11 July

NIST Administration Bldg. 101, Lecture Room - B

7:45 AM	Bus Pick up From Hotel
8:15 – 9:00 AM	<u>Overview of Legal Metrology in the U.S.</u> Richard C. Suiter, Acting Group Leader Device Technology Weights and Measures Division, NIST
9:00 – 10:00 AM	<u>National Type Evaluation of Metering Devices</u> Steven E. Cook, Physical Scientist Weights and Measure Division, NIST
10:00-10:30 AM	BREAK
10:30 AM – 12:00 PM	<u>Packaging and Labeling Requirements</u> G. Thomas Coleman, Weights and Measures Coordinator Weights and Measures Division, NIST
12:00 – 1:00 PM	LUNCH
1:00 –2:30 PM	<u>Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices</u> Juana Williams, Physical Scientist Device Technology Group Weights and Measure Division, NIST
2:30 PM	Depart for Site Visit 20211 Goshen Rd Gaithersburg, Maryland 20879 301 670 1626
3:00 – 4:30 PM	<u>Safeway Store #1620: Tour and Demonstrations</u> Robert Eaves, Program Manager Packaging and Labeling and Method of Sales Commodities Department of Agriculture, State of Maryland
5:00 PM	Depart for Hotel

Friday, 12 July

NIST Administration Bldg. 101, Lecture Room - B

7:45 AM	Bus Pick up From Hotel
8:15 – 9:45 AM	<u>Overview of Laboratory Accreditation and ISO/IEC 17025 Requirements</u> C. Douglas Faison, Senior Program Manager National Voluntary Laboratory Accreditation Program Laboratory Accreditation Group, NIST
9:45 – 10:15 AM	<u>Introduction to and Overview of the International Organization of Legal Metrology (OIML)</u> Dr. Charles D. Ehrlich, Group Leader Technical Standards Activities Group Standards Services Division, NIST
10:15 – 10:45 AM	BREAK
10:45 – 11:30 AM	<u>OIML Certificate System and Mutual Acceptance Arrangement</u> Dr. Charles D. Ehrlich
11:30 AM – 12:30 PM	<u>Systems to Support International Metrology</u> Dr. Robert L. Watters, Jr., Senior Science Advisor Technology Services, NIST
12:30 – 1:30 PM	LUNCH
1:30 – 2:30 PM	<u>Introduction to the National Conference on Weights and Measures (NCWM): Role, Function, and Procedures</u> Henry V. Oppermann, Chief Weights and Measures Division, NIST
2:30 – 2:45 PM	Wrap Up and Travel Preparation
2:45 PM	Depart for Hotel

Saturday, 13 July

On Your Own

Sunday, 14 July

8:00 AM	Check Out of Hotel
9:00 AM	Depart for Cincinnati, Ohio
5:00 PM	Check in at Hotel Hyatt Regency Cincinnati 151 West Fifth Street Cincinnati, Ohio Tel: 513-579-1234
6:00 – 7:30 M	NCWM Reception Hilton Cincinnati Netherland Plaza Hotel 35 West Fifth Street Cincinnati, Ohio Tel: 513-421-9100

Monday, 15 July

Hilton Cincinnati Netherland Plaza Hotel

7:00 – 8:15 AM	Continental Breakfast Hilton Cincinnati Netherland Plaza Hotel
8:15 AM	Meet in Lobby
8:30 – 11:30 AM	Attend Official Session / Open Hearings National Conference on Weights and Measures (NCWM)
11:30 AM - 1:00 PM	LUNCH
1:00 – 4:00 PM	Attend Official Session / Open Hearings, NCWM
4:00 – 7:00 PM	Free Time and DINNER
7:00 – 8:00 PM	Attend Special Session of NCWM Metrology Subcommittee: Balance and Scale Uncertainties

Tuesday, 16 July***Hilton Cincinnati Netherland Plaza Hotel***

7:00 – 8:30 AM	Continental Breakfast Hilton Cincinnati Netherland Plaza Hotel
8:30 AM	Meet in Lobby
8:45 AM – 11:30 AM	Attend NCWM Technical Sessions
11:30 AM – 1:00 PM	LUNCH
1:00 – 3:30 PM	Attend NCWM General Session
3:00 – 6:00 PM	Attend Special Sessions of NCWM Metrology Subcommittees: <ul style="list-style-type: none">• Laboratory Planning and Design• Laboratory Controls• Lessons Learned

Wednesday, 17 July***Hilton Cincinnati Netherland Plaza Hotel***

7:00 AM	Continental Breakfast Hilton Cincinnati Netherland Plaza Hotel
7:30 AM	Depart Hotel for Site Visit 701 S Ridge Avenue Troy, Ohio
9:00 AM – 12:00 PM	<u>Hobart International – Overview and Tour</u> Robert Schuller, General Manager Weigh Wrap Systems
12:00 – 1:00 PM	LUNCH
1:00 PM	Depart for Hotel
2:30 – 3:30 PM	Observe NCWM General Voting Session
5:00 PM	Meet in Lobby
5:15 PM	Bus Departure for NCWM Special Event
5:30 – 8:30 PM	Special Event

Thursday, 18 July

7:30 AM	Check out from Hotel
8:00 AM	Depart Hotel Travel to Washington, D.C.

Friday, 19 July*NIST Administration Bldg. 101, Lecture Room - B*

8:00 AM	Bus pick from Hotel
8:30 -11:00 AM	<u>Report on Legal Metrology Infrastructure in the G.C.C. Countries</u> Participant Presentations
11:00 – 11:30 AM	BREAK
11:30 AM – 12:30 PM	<u>Workshop Insights</u> Group Discussion
12:30 – 1:00 PM	<u>Closing and Award of Certificates</u> Mary H. Saunders
1:15 PM	Departure