

**NIST Standards in Trade Workshop
for India on Oil and Gas
August 22 - 26, 2005**

Workshop Schedule

**National Institute of Standards and Technology
Gaithersburg, Maryland**

Monday, August 22	Administration Building, Lecture Room B
8:45 a.m.	NIST Bus pick up from Hotel
9:15 a.m.	Administration
9:30 a.m.	<u>Welcome and Introductions</u> Dr. Carmiña Londoño, Group Leader Global Standards and Information Group, NIST
10:15 a.m.	<u>The Importance of US – India Trade and the Role of Standards</u> Holly Vineyard, Deputy Assistant Secretary for Africa, Middle East and South Asia
10:30 a.m.	BREAK – Hosted by the American Petroleum Institute
11:00 a.m.	<u>Status of the Oil and Gas Sector in India</u> Indian Delegation Representative, Shri.V. Chaturvedi
11:30 a.m.	<u>Overview of NIST</u> Dr. Carmiña Londoño
12:15 p.m.	Administration
12:30 p.m.	LUNCH – NIST Cafeteria Group Photo
1:45 p.m.	<u>Overview of the U.S. Standards System</u> Jane Schweiker, Senior Advisor to the President/CEO American National Standards Institute (ANSI)
2:30 p.m.	<u>Overview of the Indian Standards System</u> Indian Delegation Representative, Dr. D.K.Chaudhuri and Mr. J.B.Verma

- 3:15 p.m. BREAK- Hosted by the American Petroleum Institute
- 3:45 p.m. Panel: U.S. Standards Development Organizations
in the Oil and Gas Sector
Moderator: David Miller, Director, API Standards Program
- ASTM (test methods) – Kenneth O. Henderson, Vice-Chairman
Cannon Instrument Company
- ASME (refinery standards) - J.R. Sims Jr., Engineering Fellow
Becht Engineering Company, Inc.
- API (production standards) - David Miller, API
- UL (underground storage tanks, standards at the point of sale) –
Dan Ryan, UL
- CSA America, Inc. (Reservoirs, Mine Caverns, Salt Caverns and End-use
Products) - Allen Callahan, Manager Standards
- 5:30 p.m. NIST Bus departs for Hotel
- 5:45 p.m. DINNER– Hosted by The American Society of Mechanical Engineers

- 8:30 a.m. NIST Bus pick up from Hotel
- 8:45 a.m. Administration
- 9:00 a.m. Overview of the U.S. Regulatory System
Mary H. Saunders, Chief
Standards Services Division, NIST
- 9:45 a.m. Overview of Indian Regulatory System
Indian Delegation Representative, Mr. Ambrish Mishra
- 10:30 a.m. BREAK - Hosted by the American Petroleum Institute
- 11:00 a.m. Panel: Practical Application of Standards in Regulations
Moderator: Mary McKiel (EPA)
- Richard D, Hurliaux, P.E.
Director, Technical Standards
US DOT/Office of Pipeline Safety
- Joseph Levine, Senior Engineer, DOI - Minerals Management Service
- Indian Delegation Representative, Mr. N. Wagle and Mr. B.P.Gupta
- 12:15 p.m. LUNCH – NIST Cafeteria
- 1:30 p.m. Depart for Site visit
- Shell Hydrogen Refueling Station
Benning Road
Washington DC
- 3:00 p.m. Bus departs for nearest metro stop and/or hotel

- 8:30 a.m. NIST Bus pick up from Hotel
- 8:45 a.m. Administration
- 9:00 a.m. Panel: Conformity Assessment for Products in the U.S.
Moderator: Mark Sheehan, ASME
- Refinery equipment (ASME) – Wilfred C. LaRochelle, Senior Code Consultant, Hartford Steam Boiler
- Gas field compressors, service station dispensing pumps, overfill protection equipment, gas detectors (UL) – Paul Kelly
- Upstream equipment and lubricants (API) – John Modine
- Product certification (CSA International) – John Gorman
- 10:30 a.m. BREAK - Hosted by the American Petroleum Institute
- 11:00 a.m. Panel: Certification for Personnel in the U.S.
Moderators: John Modine, API and Mark Sheehan, ASME
- John Modine – (API) Individual Certification Program
- Mark Sheehan – (ASME) Qualifications and Certification of Pressure Equipment Inspectors
- 12:00 p.m. Depart for Site Visit – Bag Lunch on Bus
- 1:30 p.m. Site Visit:
Motor Fuel Testing Lab
7275-B Waterloo Road
Jessup, MD 20794
Lab Supervisor: Mr. Katen Vithlani (410) 799-7777
- The Comptroller's Motor Fuel Testing Lab in Jessup, Maryland began operation in 1974. The primary function of the lab is to analyze all incoming petroleum products for their quality and to make sure the fuel is in compliance with state regulations, as well as federal EPA guidelines. The laboratory is also equipped to run analysis of alcoholic beverages for proof verification using Gas Chromatography procedures. Gasoline and petroleum products are collected at the retail stations and bulk terminals

throughout the state by the Comptroller's compliance inspectors also take monthly samples from bulk terminals at nearby Virginia and Pennsylvania locations, as fuels from these locations regularly enter the Maryland market.

- 3:30 p.m. Bus departs for Hotel
- 6:30 p.m. Bus departs for Summit Station
- 6:45 p.m. DINNER – Hosted by Underwriters Laboratories, Inc.

- 8:30 a.m. NIST Bus pick up from Hotel
- 8:45 a.m. Administration
- 9:00 a.m. Emerging Trends: Hazardous Locations
Facilitator: Erin Waldron, Underwriters Laboratories, Inc.
- OSHA (how HazLoc are regulated in US) – Ken Klouse
- UL (US participation in IEC EE EX scheme) – Paul Kelly
- IAEI (International Association of Electrical Inspectors) –
Donny Cook, Electrical inspector for Shelby County, Alabama
- Indian Delegation Representatives: Mr. V. Chaturvedi
- 10:30 a.m. BREAK - Hosted by the American Petroleum Institute
- 11:00 a.m. Emerging Trends: Pipeline Management
Facilitator: Richard Ricker, NIST Metallurgy Division
- Bernd Selig, ASME – Gas pipelines
- Andrea Johnson, Senior Standards Associate, API –
Oil pipelines
- Indian Delegation Representative, Shri B.P. Gupta
- 12:15 p.m. LUNCH – NIST Cafeteria
- 1:30 p.m. Site Visit Overview of NIST Laboratories
- 1:45 p.m. Depart for Site visit – walk to Bldg. 230
- 2:00 p.m. Site Visit – Bldg 230
Flow Lab
Calibration of master gauges
Measurement Lab – Aaron Johnson (CSTL)
- 4:00 p.m. NIST Bus departs for Hotel

- 8:30 a.m. NIST Bus pick up from Hotel
- 8:45 a.m. Administration
- 9:00 a.m. Emerging Trends: Drilling Practices
API - Andy Radford, Upstream Standards Manager

Indian Delegation Representative, Mr. J.B. Verma
- 10:00 a.m. Delegation Meetings
- 11:00 a.m. BREAK - Hosted by the American Petroleum Institute
- 11:30 a.m. Joint U.S.-Indian Interactive Sessions
Objectives: a) Answer remaining questions; b) discuss topics of interest to the delegates; c) understand obstacles to US standards adoption
- 12:15 p.m. Final Forum – Next Steps
- 12:30 p.m. Complete Workshop Evaluations
- 12:45 p.m. Closing Remarks
Dr. Carmiña Londoño, NIST

Indian Delegation Representative, Mr. J.B. Verma
- 1:15 p.m. NIST Bus departs for hotel