

**NIST Standards in Trade Workshop for the Middle East, North Africa
and Pakistan on Standards, Codes, and Conformity Assessment for Life
Safety and Building Construction**

October 30 – November 3, 2006

AGENDA

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

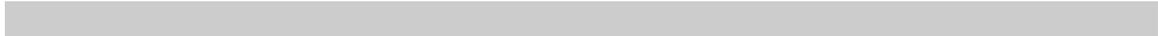
Monday, October 30	Administration Building, Lecture Room B
9:00 – 9:10 a.m.	Daily Orientation
9:10 – 9:20 a.m.	Welcome Dr. Belinda Collins Director, Technology Services National Institute of Standards and Technology (NIST) Dr. Hratch Semerjian Chief Scientist, Director’s Office National Institute of Standards and Technology (NIST)
9:20 – 9:35 a.m.	Participant Introductions
9:35 – 9:45 a.m.	<u>NIST, Standards and the Middle East, North Africa & Pakistan</u> Mary Saunders, Chief Standards Services Division National Institute of Standards and Technology (NIST)
9:45 – 10:15 a.m.	<u>NIST Overview</u> Sue Heller-Zeisler, International Affairs Officer Office of International and Academic Affairs National Institute of Standards and Technology (NIST)

- 10:15 – 10:20 a.m. Workshop Overview
Dr. Ajit Jilla, Senior Standards Specialist
Global Standards and Information Group
National Institute of Standards and Technology (NIST)
- 10:20 – 10:45 a.m. Construction Sector Overview
Dr. Mamoon Hammad
Sr. Consultant
Standards Associates, LLC
- 10:45 – 11:00 a.m. Break – Sponsored by Intertek
- 11:00 – 11:30 a.m. US Perspectives and Trends in the Standardization, Code Development and Conformity Assessment
Casey C. Grant, P.E., Assistant Chief Engineer
National Fire Protection Association (NFPA)
- 11:30 – 12:15 p.m. Trends in Development, Adoption and Use of Standards and Related Conformity Assessment Systems in the MENA regions
- 2 Broad Overviews:
- 11:30 – 11:45 a.m. Trends in Middle East – Saudi Arabia Speaker
- 11:45 – 12:00 p.m. Trends in North Africa - Libya Speaker
- 12:00 – 12:15 p.m. Discussion and Q & A
- 12:15 – 1:30 p.m. Group Photo, Lunch
- 1:30 – 2:00 p.m. Site Visit Overview
- 2:00 – 4:30 p.m. SITE VISIT
- 7:00 – 10:00 p.m. Dinner Cruise hosted by ASTM International and Underwriters Laboratories Inc.



Standards

- 8:30 – 8:35 a.m. Welcome
- Dr. Carmiña Londoño
Group Leader, Global Standards and Information Group
National Institute of Standards and Technology (NIST)
- 8:35 – 9:05 a.m. Overview of the US standards system and approaches to standardization
Jane Schweiker
Senior Advisory to the CEO/President
American National Standards Institute (ANSI)
- 9:05 a.m. Panel on development, adoption and use of standards
- Moderator:
Khaled Masri
President
Standards Associates, LLC
- 9:05 – 9:25 a.m. Morocco Perspective
- 9:25 – 9:45 a.m. Egypt Perspective
- 9:45 – 10:05 a.m. Discussions and Q&A
- 10:05 – 10:15 a.m. Break – Sponsored by Intertek
- 10:15 – 10:45 a.m. Standards supporting codes
Casey C. Grant, P.E.
Assistant Chief Engineer
National Fire Protection Association (NFPA)
- 10:45 – 11:15 a.m. Standards for Construction Materials and Methods of Construction
David Hattis
Consultant and ASTM Committee E06 on
Performance of Buildings
Building Technology Incorporated
- 11:15 – 11:30 a.m. Egypt Perspective

- 11:30 – 11:45 a.m. Mechanical and Plumbing System Standards
Allen Inlow
Senior Director of IAPMO Business and Product Development
International Association of Plumbing and Mechanical Officials
(IAPMO)
- 11:45 – 12:00 p.m. Morocco Perspective
- 12:00 – 12:15 p.m. Electrical System Standards
Jeffrey Sargent
Senior Electrical Specialist
National Fire Protection Association (NFPA)
- 12:15 – 12:30 p.m. Kuwait Perspective
- 12:30 – 1:30 p.m. Lunch
- 1:30 p.m. Panel
- 1:30 – 2:00 p.m. Fire Continuum
Pravin Gandhi
Director of Business Development (Fire Business Unit)
Underwriters Laboratories, Inc. (UL)
- 2:00 – 2:30 p.m. Fire Protection and Life Safety Standards
Dick Bukowski
Fire Research Division
National Institute of Standards and Technology (NIST)
- 2:30 – 2:45 p.m. Discussions and Q& A
- 2:45 – 3:00 p.m. Break – Sponsored by Intertek
- 3:00 - 3:15 p.m. Site Visit Overview
Dick Bukowski
Fire Research Division
National Institute of Standards and Technology (NIST)
- 3:15 – 5:00 p.m. Site Visit to NIST labs
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Construction Codes

- 8:30 – 8:45 a.m. Daily Orientation
- 8:45 a.m. Panel on general issues in development and implementation of construction codes
- 8:45 – 9:15 a.m. Overview of the U.S. Construction Code System
Sara C. Yerkes
Senior Vice President of Government Relations
International Code Council (ICC)
- 9:15 – 9:35 a.m. Code Administration and Enforcement
Stephen King
Senior Permitting Services Specialist
Department of Permitting Services
- 9:35 – 9:55 a.m. Saudi Arabia Perspective
- 9:55 – 10:15 a.m. Pakistan Perspective
- 10:15 – 10:30 a.m. Discussions and Q& A
- 10:30 – 11:00 a.m. Break – Sponsored by Intertek
- 11:00 – 12:00 p.m. Panel addressing technical issues in development and implementation of construction codes
- 11:00 – 11:20 a.m. Building Codes
John Battles
Vice President, Architectural & Engineering, Technical Services
International Code Council (ICC)
- 11:20 – 11:40 a.m. Libya Perspective
- 11:40 – 12:00 p.m. Plumbing, Mechanical and Electrical Systems
Jay Peters
Senior Director of Codes and Education
International Association of Plumbing and Mechanical Officials
(IAPMO)
- 12:00 – 1:00 p.m. Lunch

- 1:00 p.m. Continuation of Technical Panel presentations and discussion
- 1:00 – 1:20 p.m. Saudi Arabia Perspective
- 1:20 – 1:40 p.m. Natural Hazards Considerations
Jim Rossberg
Director
ASCE/SEI
- 1:40 – 2:00 p.m. Pakistan Perspective
- 2:00 – 2:20 p.m. Buildings of Historical & Cultural significance
Dick Bukowski
Fire Research Division
National Institute of Standards and Technology (NIST)
- 2:20 – 2:40 p.m. Egypt Perspective
- 2:40 – 3:40 p.m. Fire Protection
Jim Tidwell
Vice President, Fire Service Activities
International Code Council (ICC)
- Jim Dolan
Fire Code Regional Manager
National Fire Protection Association (NFPA)
- 3:40 – 4:00 p.m. Break – Sponsored by Intertek
- 4:00 – 4:20 p.m. Kuwait Perspective
- 4:20 – 4:45 p.m. Discussions and Q&A



Conformity Assessment

- 8:30 - 8:45 a.m. Daily Orientation
- 8:45 – 9:15 a.m. Elements of conformity assessment in the construction sector
Richard Kuchnicki
Federal Program Manager
International Code Council (ICC)
- 9:15 – 9:45 a.m. Conformity Assessment Supporting Regulation
Al Ramirez
Manager of Regulatory Services
Underwriters Laboratories Inc. (UL)
- 9:45 – 10:15 a.m. Pakistan Perspective
- 10:15 – 10:30 a.m. Discussions and Q&A
- 10:30 – 10:45 a.m. Break – Sponsored by Intertek
- 10:45 – 11:15 a.m. Product Testing and Certification
Rick Curkeet, PE
Chief Engineer-Building Products
Intertek - ETL Semko
- 11:15 – 11:45 a.m. Saudi Arabia Perspective
- 11:45 – 12:15 p.m. Discussions and Q&A
- 12:15 – 1:15 p.m. Lunch
- 1:15 – 1:45 p.m. Overview of Laboratory Accreditation Systems
Raj Nathan
IAS Manager, Accreditation
International Accreditation Service (IAS)
- 1:45 – 2:15 p.m. Personnel Certification and Accreditation Programs
David S. Nelson, Ph.D., P.E.
Vice President, Certification and Testing
International Code Council (ICC)
- 2:15 – 2:45 p.m. Libya Perspective

- 2:45 – 3:15 p.m. Break – Sponsored by Intertek
- 3:15 – 3:45 p.m. Accreditation systems for building departments and certification of personnel
Building Product Approval Systems
Laboratory Accreditation Programs
- Raj Nathan
IAS Manager, Accreditation
International Accreditation Service (IAS)
- 3:45 – 4:15 p.m. Morocco Perspective
- 4:15 – 4:45 p.m. Pakistan Perspective
- 4:45 – 5:00 p.m. Discussions and Q&A
- 6:30 p.m. Dinner Sponsored by IAPMO
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Implementation, Challenges and Emerging Trends

- 8:00 – 8:05 a.m. Daily Orientation
- 8:05 a.m. Emerging Trends in the Construction Sector
- 8:05 – 8:20 a.m. Environmental Issues and Energy
Helen Tocco, LEED AP
Energy, Engineering, & Design Specialist
Think Energy, Inc.
- 8:20 – 8:35 a.m. Green Building Design and High Performance Design
Dr. William E. Kelly
Professor of Civil Engineering
The Catholic University of America
- 8:35 – 8:50 a.m. Quality Assurance and Building Security
Hossein Davoodi
Senior Fire Protection Engineer
National Fire Protection Association (NFPA)
- 8:50 – 9:05 a.m. Safety considerations: Blast Resistance
Julia Schimmelpenning
Architectural Technical Applications Manager
Solutia, Inc.
- 9:05 – 9:20 a.m. Discussions and Q & A
- 9:20 – 9:30 a.m. Break – Sponsored by Intertek
- 9:30 – 10:00 a.m. **Delegation Meetings**
- 10:00 – 10:30 a.m. Joint Interactive Session
Objectives: a) Answer remaining questions; b) discuss topics of interest to the delegates; c) understand obstacles to US standards and codes adoption

Dr. Carmiña Londoño
Group Leader, Global Standards and Information Group
National Institute of Standards and Technology (NIST)
- 10:30 – 11:00 a.m. Final Forum – Next Steps and Future Collaboration
- 11:00 – 11:30 a.m. Closing Remarks