


The U.S. Standardization System and Global Educational Outreach

Presented by
 William E. Kelly
 Member, ANSI Board of Directors
 Chair, ANSI Committee on Education
 Chair, ANSI Personnel Certification Accreditation Committee
 Professor, The Catholic University of America

Asia Link
 August 19, 2004

Outline


- About ANSI and the U.S. Standardization System
- Education and Outreach Programs
 - Collaboration Opportunities
- Summary




ANSI
Asia Link Hamburg – August 2004

Slide 2

The U.S. approach



- Responsibility for standardization and metrology activities is shared among
 - the American National Standards Institute (ANSI), which serves as coordinator of the U.S. private-sector-led standardization system
 - individual standards-setting bodies
 - the National Institute of Standards and Technology (NIST), an agency of the technology administration of the U.S. Department of Commerce, which keeps the primary (physical) measurement standards



ANSI
Asia Link Hamburg – August 2004

Slide 3




*Mission: To enhance the global competitiveness of U.S. business and the American quality of life by **promoting and facilitating** voluntary consensus standards and conformity assessment systems and ensuring their integrity.*






A Federation of members representing . . .

- Academia
- Individuals
- Government
- Manufacturing
- Trade Associations
- Professional Societies
- Service Organizations
- Standards Developers
- Consumer and Labor Interests
- and many more.



ANSI
Asia Link Hamburg – August 2004

Slide 5





ANSI
Asia Link Hamburg – August 2004

Slide 6



- ANSI is a somewhat unique national standards body
 - it *is* private-sector led and public-sector supported
 - it *is* a not-for-profit organization (501c3)
 - it *is* an “umbrella” organization for the U.S. voluntary consensus standards community

 - it *is not* a standards developer
 - it *is not* a government agency



ANSI
Asia Link Hamburg – August 2004

Slide 7

ANSI's Roles and Responsibilities

DOMESTIC

- Accredits U.S. Standards Developers, U.S. Technical Advisory Groups and conformity assessment systems
- Approves American National Standards
- Protects the public's participation in standardization activities
- Ensures integrity of the U.S. voluntary consensus standards system
- Offers a neutral policy forum
- Provides a central resource for information and education on standards, conformity assessment and related activities



ANSI
Asia Link Hamburg – August 2004

Slide 8

ANSI's Roles and Responsibilities

INTERNATIONAL

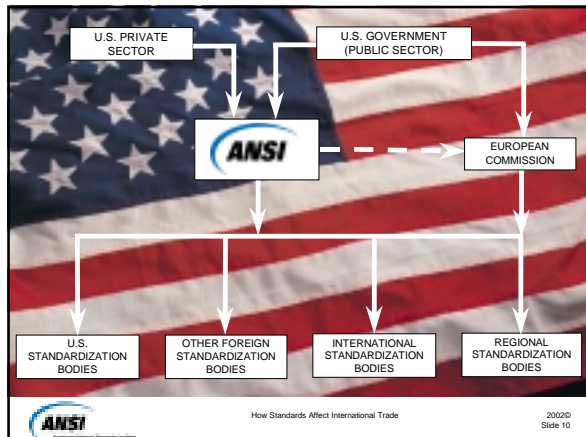
- Provides regional & international access
- Provides international & regional representation
 - U.S. member body to ISO (International Organization for Standardization) and, through the US National Committee, the IEC (International Electrotechnical Commission)
 - U.S. representative to other non-treaty international organizations
 - Pacific Area Standards Congress (PASC)
 - Pan-American Standards Commission (COPANT)
- Conducts international outreach on standards related issues for the U.S.

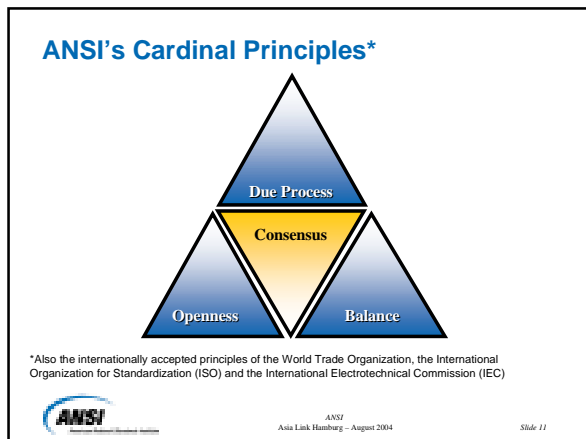


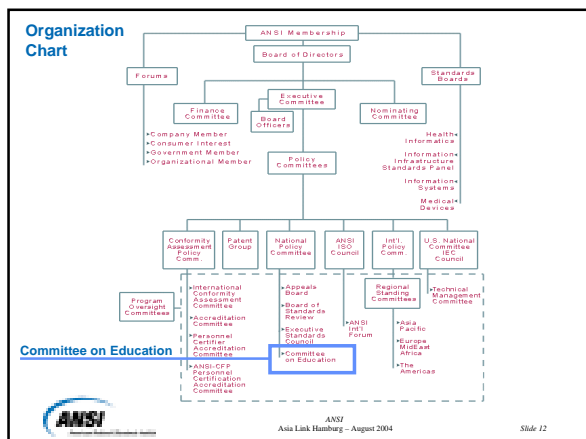
ANSI
Asia Link Hamburg – August 2004


Slide 9













- **Goal** *To broaden outreach to make higher education aware of standards in business, trade, and educational services*
- **Why** National Standards Strategy for the United States (NSS)
 - Goal 11 – *Make the value of standards development both **apparent and real** by educating private- and public-sector decision-makers about the value of standards and how to take advantage of the process.*
- **How** University faculty outreach activities
 - Committees are also working to develop standards for learning technologies and distance learning




ANSI
Asia Link Hamburg – August 2004 Slide 13

ANSI Education Services




Education and Training

Instructor-led Training	Public and Member Information	University Outreach
<ul style="list-style-type: none"> ■ Traditional classroom ■ Web-based ■ Virtual workshops 	<ul style="list-style-type: none"> ■ E-learning programs www.StandardsLearn.org ■ Conferences and Symposia 	<ul style="list-style-type: none"> ■ Committee on Education ■ <i>Outreach programs to universities, high schools and other students</i>




ANSI
Asia Link Hamburg – August 2004 Slide 14

Minimum Standards Knowledge Needed for Faculty and Students



- At present, U.S. institutions of higher education have no required or formal reliance upon standards
 - Integrating standards and conformity assessment training into the university curriculum will better prepare the future workforce
 - Surveys indicate that most standards-related training is provided “on the job”
- ANSI believes developing and implementing standards can play a key role in building a global education network



ANSI
Asia Link Hamburg – August 2004 Slide 15

Standards for Use *In* Higher Education



- Identified curriculum needs (business issues)
 - Manufacturing and design
 - Sustainable development
 - Manufacturing (faster, better, and cheaper)
 - Health and safety requirements
 - Occupational health and safety
 - Economic, social and political considerations
 - Personnel and product certification systems
 - Corporate and social responsibility; business ethics
 - Quality and environmental management
 - e.g., ISO 9000 and 14000



ANSI
Asia Link Hamburg – August 2004

Slide 16

Standards for Use *By* Higher Education



- Voluntary consensus standards are being developed to support the technical infrastructure for the distributed learning infrastructure and educational functions, technology specifications, components and services

- Consideration now underway for the development of international standards for education services



ANSI
Asia Link Hamburg – August 2004

Slide 17



- Summary
 - ANSI coordinates the U.S. Standards and Conformity Assessment system and represents the US community internationally
 - ANSI recognizes as a priority the need to educate the next generation of standards professionals and has a strategy to accomplish this working with its partners
 - ANSI is promoting partnering nationally and internationally to to advance the training of current and future generations of standards professionals
 - ANSI believes that cross-discipline university outreach is essential
 - ANSI has stepped forward to coordinate the development and adoption of “best practices” for standards-related education in the U.S. is looking for international partners



ANSI
Asia Link Hamburg – August 2004

Slide 18



American National Standards Institute

Headquarters

1819 L Street, NW
Sixth Floor
Washington, DC 20036
Tel: 202.293.8020
Fax: 202.293.9287

New York Office

25 West 43rd Street
Fourth Floor
New York, NY 10036
Tel: 212.642.4900
Fax: 212.398.0023

www.ansi.org/education

www.StandardsLearn.org

www.ansi.org | webstore.ansi.org | www.nssn.org



E-Learning: Learning at your own pace in your own space

Slide 19
