



Presentation on ANSI's Committee on Education

NIST/ICES International Standards Education Workshop
February 21, 2008

Presented by

Dr. Richard Forselius
Chair, ANSI Committee on Education

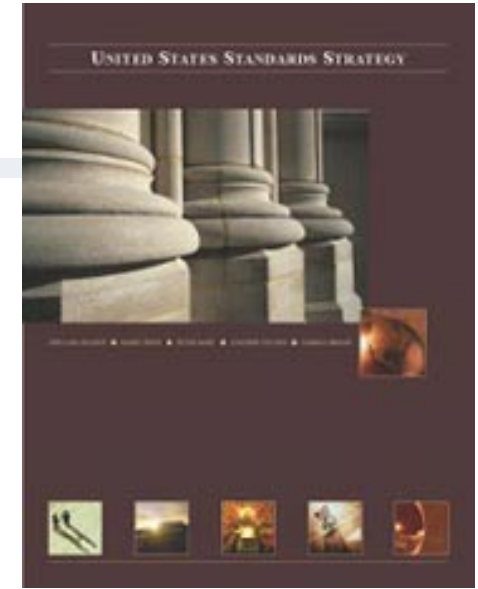
ANSI's Educational Initiatives: Then and Now

- ANSI has been providing standards-related education services since it was founded in 1918
- A formal education program was established in the mid-1990's
- Today, ANSI's education initiatives are based in large part on guidance provided in the *United States Standards Strategy* (USSS)

United States Standards Strategy (USSS)

- Tactical Initiative
Establish standards education as a high priority within the United States private, public and academic sectors.

- Action items for
 - ANSI
 - Standards developers
 - Government
 - Academia
 - All stakeholders

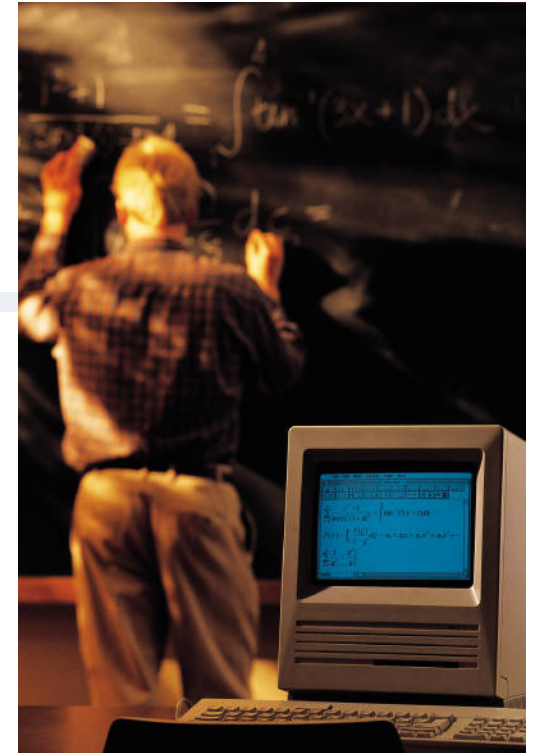


Approved December 2005

ANSI Committee on Education

- Goals: Develop long term strategies to . . .
 - educate the next generation of business leaders on the strategic impact of standards and conformity assessment
 - include standards in institutions of higher education

- Leadership: A partnership of business and academia
 - Chairman: Dr. Richard Forselius, Hamilton Sundstrand, a UTC Company
 - Vice Chairman: Bruce Harding, Purdue University



ANSI Committee on Education

- Membership:
 - 27 members, including 7 faculty and 1 guest (i.e., non-ANSI member)
 - Membership increased by 7 persons in 2007 and by 1 person thus far in 2008
 - Recruitment efforts are directed primarily to new faculty participants

- Meeting Schedule:
 - Committed to proactive engagement, the COE meets twice-yearly with a mid-meeting-cycle teleconference.

ANSI Committee on Education – An Advisory Body for ANSI’s Education and Training Activities

ANSI Committee on Education

Instructor-led Training

- Traditional classroom
- Web-based
- Virtual workshops

Public and Member Information

- E-learning programs
(www.StandardsLearn.org)
- Conferences and Symposia

University Outreach

- Outreach programs to universities, high schools and other students

ANSI Committee on Education

■ Instructor-Led Training Programs

- Supports ANSI traditional classroom, web-based and virtual workshop offerings.
- In line with current demand, courses being offered include:
 - Strategic Standardization Management
 - Effective Business/Industry Participation in Standards Development: Strategies for Success
 - Personnel Certification Accreditation Workshop: Understanding the Requirements of ANSI/ISO/IEC 17024
- A complete course listing can be found on www.StandardsLearn.org

ANSI Committee on Education – Major Initiatives

- Business and Activity Plan
 - Review and maintain ANSI education and training business and activity plan
 - Addresses both business aspects of fee-based training as well as non-revenue generating activities such as general education and outreach
- Draft Strategic Plan
 - Develop and maintain draft strategic plan
 - Based largely on business and activity plan
 - Confirms fundamental elements such as products, customers, and content owners
 - Examines future of existing programs

ANSI Committee on Education – Major Initiatives (continued)

- Implementation of Goal 10 of the *United States Standards Strategy*
 - Created E-learning web site (www.StandardsLearn.org)
 - premier online resource for self-paced e-learning programs that help to raise awareness of standards and conformity assessment activities.
 - No-fee, public service programs
 - Each course is self-paced and includes assignments, links, exercises and exams
 - Current courses include
 - *Why Standards Matter*
 - *U.S. Standards – Today and Tomorrow*

ANSI Committee on Education – Major Initiatives (continued)

- *Short course: Through History with Standards*
- *Legal Issues in Standards Settings*
- More than 3500 participants have completed courses on the ANSI education portal since its launch in 2002
- Includes additional standards education resources
 - Acronym Directory: a database of acronyms commonly used in the standards and conformity assessment community
 - Standards Education Database: links to web-based education and distance learning resources related to standards and the organizations that develop them
 - ANSI Education and Training Services: Instructor-led Courses; Training Schedule; University Outreach Program; Committee on Education

ANSI Committee on Education – Major Initiatives (continued)

- Implementation of Goal 10 of the *United States Standards Strategy* (continued)
 - Established a Case Studies Sub-group to
 - Develop a recommended case study template.
 - Develop a written policy/process for proposing & managing the development of viable, current case studies.
 - Assess types of cases that are desired by higher education, etc.
 - Recruit subject matter experts to prepare case studies. Coordinate and monitor their progress. Maintain an on-going inventory of cases proposed, in-progress & completed.

ANSI Committee on Education – Major Initiatives (continued)

- Assess which professional journals already have case studies and catalog.
- Consider creating a standards/standardization journal. Assess who should serve on peer review/editorial committee (s).
- Assess potential connection of case studies to webinars.
- Support further higher education needs (EG Create presentations around cases; Develop test questions; Provide experts to visit the classroom, etc.)
- Support company interest in developing cases.
- Clearly define & understand legal issues around cases
- Make case studies freely available on www.StandardsLearn.org

ANSI Committee on Education – Major Initiatives (continued)

- Implementation of Goal 10 of the *United States Standards Strategy* (continued)
 - Worked with The American Society of Civil Engineers (ASCE) to develop language that introduces codes and standards into a Body of Knowledge (BoK) statement for entry into the practice of civil engineering at the professional level
 - Responded to requests from the U.S. government to provide suggested U.S. input to both an APEC survey to *Develop Strategic Education Model for Standards and Conformance* and to queries regarding the usefulness of a textbook

ANSI Committee on Education – Major Initiatives (continued)



■ University Outreach Pilot Project

- Launched in 2005, program makes standards, specifications and guidelines available for use by faculty and students in university classrooms
 - Participation is open to all disciplines in any U.S.-based institution of higher learning
 - Professors may select from more than 20,000 standards in the ISO and IEC collections
- Detailed enrollment forms and required acceptance of the End User License Agreement helps to protect the copyright on standards delivered
- Access to standards controlled via DRM system incorporated into eSubscriptions section of ANSI's eStandards Store.

ANSI Committee on Education – Major Initiatives (continued)

- University Outreach Pilot Project (continued)
 - Requests to participate have been received from 46 professors representing various schools and academic institutions including:
 - Engineering: electronics, agricultural, biomedical, aerospace, civil, industrial
 - IT and Operations Management
 - Business Administration
 - Design and Graphics Design
 - Regulatory Affairs
 - Architecture
 - Law

ANSI Committee on Education – Major Initiatives (continued)

- University Outreach Pilot Project (continued)
 - To date:
 - 40 schools have been/are now participating
 - 1019 students in the classes have been/are now engaged
 - 270 standards have been provided

Contact Information

- For additional information regarding the ANSI Committee on Education, contact
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