



## **E-LEARNING**

***Learning at your own pace  
in your own space***

*Presented by*

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Board Committee on Education

**ISO Networking Conference**

**May 16, 2003**

# Premise of ANSI's Educational Initiatives

- National Standards Strategy for the United States – 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.*



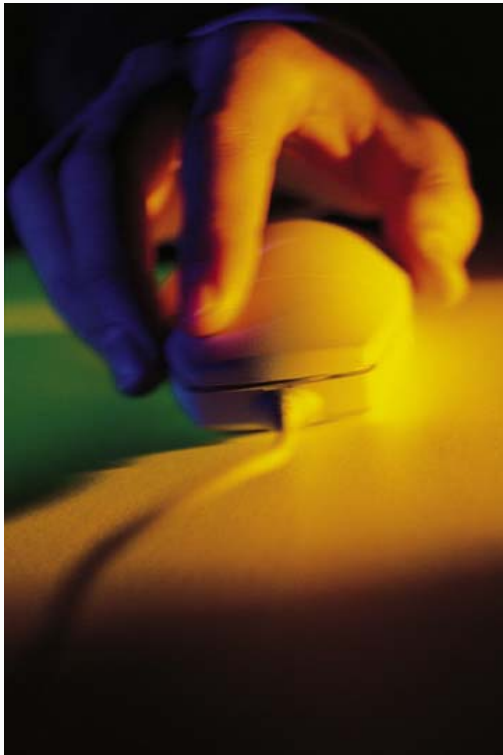
Approved August 2000



# Formation of ANSI Ad Hoc Committee on Standards Awareness and Education

- Created in March 2001 by the ANSI Board of Directors to oversee and coordinate the Institute's education and outreach initiatives
- Goals: Develop a long term strategy to . . .
  - include standards in engineering and business schools
  - educate the next generation of business leaders on the strategic impact of standards and conformity assessment
- The ANSI Board of Directors voted to make the ad hoc a permanent committee on May 2, 2003

# First Steps: Assumptions / Market Forces



- There is an increasing appreciation of life-long learning for professional advancement
- The acceptance of e-learning is expanding and will become an integral part of all aspects of education in the future
- Today's graduates – who are tomorrow's professionals – will have already experienced e-learning in school
- All those who have experience with e-learning expect it to be available anytime – “24/7”

# First Steps: Assessment of Educational Needs

- Efforts should focus on using electronic delivery to maximum extent
- Convenience, time, and cost are important
- An educational portal – a ‘one-stop resource’ – would be preferred

# ANSI Education and Training Services: First Course



[www.StandardsLearn.org](http://www.StandardsLearn.org)

**ANSI's E-Learning Portal**



## ■ *“Why Standards Matter”*

- Topics include a basic overview of standards and their use in everyday life; health, safety and the environment; government-industry partnerships; various organizations involved; and the benefits of participation
- Includes assignments, links, exercises and exams
- Introduced in 2002
- More than \_\_\_\_\_ participants have taken the course so far, including an entire undergraduate class from the University of Maryland

# ANSI Education and Training Services: Next Courses

- ***“U.S. Standards – Today and Tomorrow”***
  - Expected in June 2003
  - Topics include an overview of national standardization activities; an analysis of current and future standardization trends; a classification of the various types of standards that exist; an introduction to the development of American National Standards (ANS); and an overview of how and why participation is important
  
- ***“International Standards Development”***
  - Expected in December 2003

# Developing an Effective E-Learning Program

- Use computer technology to engage learner but keep it simple
- Employ solid instructional design that is specific to web-based training
  - Build on previous materials
  - Encourage discovery learning
- Graphics, hyperlinks and other enhancements must serve an instructional purpose
  - Avoid distractions

# Developing an Effective E-Learning Program (continued)

- Allow students to return and review the course at their own pace
- Include tracking tools to measure learner's progress and performance
- Courses must be structured to maintain interest
  - Interesting and engaging content
  - Interactive activities
  - Avoid exam questions that are not challenging and do not reinforce training objectives

# Launching an E-Learning Program

- Make sure the first experience is high quality — first impressions are lasting and will impact repeat visits
- Provide instructions — new e-learners do not know what to expect
- Acceptance of e-learning may take some time — be prepared
- “Blended” learning (classroom + online) may be appropriate
  - Offer a combination of multiple delivery methods over a period of time

# Role of Standards in E-Learning



- Building a global e-learning network requires:
  - a distributed learning infrastructure and technology specifications
  - educational functions, components and services
    - SCORM (Sharable Content Object Reference Model)
- Support efforts to make educational providers aware of the role of standards

# Summary



- Future of E-Learning
  - Viable – Effective – Integrated – Mainstream
- Share best practices and experiences
- Importance of working together to conserve scarce training resources and avoid duplication of effort



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