Standards Aware™
A New Series of Standards Education
From IP-Shield

OVERVIEW

Standards Aware™ is a collection of courses designed for anyone who uses or distributes standards in the workplace. From new hires and recent college graduates, to seasoned engineers and professionals across industries, the collection offers something for everyone. Users can take courses relevant to their needs, or the entire series.

The series has have been co-developed with Thompson Consulting, Inc., a company with internationally-recognized expertise in the development, management, distribution, and use of standards. Ed Mikoski, President of Standards Engineering Society (SES) says, "An awareness and understanding of standards is essential for success in today's global economy. Organizations in both the public and private sectors are constantly challenged to provide their employees with standards education, and these courses meet that challenge."

Following are the course descriptions, objectives and target audience.

Course #1: What Are Standards?

Standards are part of our daily lives yet they often go unnoticed. This course explains what standards are and uses examples of the various types of standards to illustrate the many ways that we use and rely on standards.

Objectives. Upon completion of the course, the student will be able to:
1. Explain the general concept of a standard
2. Recognize the various types of standards
3. Distinguish between design and performance standards
4. Differentiate between de facto and de jure standards
5. Describe the relationship between voluntary and mandatory standards

Target Audience: This course is for anyone new to standards, or those needing a refresher on the subject, such as:

- Corporate engineering, manufacturing, and design staff
- Quality managers
- Government and public administration staff
- University faculty and students (engineering, business, public policy, law)
- NGOs (non-government organizations) concerned with global trade
- Standards development organizations staff
- Consumers

Course #2: Why Are Standards Used?

Standards are used for a variety of reasons. This course examines the benefits of standards for consumers, explains why industry uses standards, and explores the regulatory use of standards by government authorities.

Objectives. The objectives of this course are to:
1. Explain the benefits of standards for consumers
2. Illustrate why industry uses standards
3. Explain the regulatory use of standards
4. Describe the benefits of standards for society in general

Target Audience: This course is for anyone new to standards, or those needing a refresher on the subject, such as:

- Corporate engineering, manufacturing, and design staff
- Quality managers
- Government and public administration staff
- University faculty and students (engineering, business, public policy, law)
- NGOs concerned with global trade
- Standards development organizations staff
- Consumers

Course #3: Standards Developing Organizations

Who develops standards? Hundreds of organizations around the world produce standards. This course identifies the various industry groups and government agencies that are involved in the development of standards.

Objectives. The objectives of this course are to:
1. Identify the types of organizations that develop standards
2. Explain why companies use internal standards
3. Differentiate between the various categories of standards developing industry groups
4. Provide examples of government agencies that develop standards
5. Describe national, regional, and international standards organizations

Target Audience: This course is for anyone new to standards or those needing a refresher on the subject, such as:

- Corporate engineering, manufacturing, and design staff
- Government and public administration staff
- University faculty and students (engineering, business, public policy, law)
- NGOs concerned with global trade
- Standards development organizations staff

Course #4: Standards Development Process

Standards are developed by a variety of organizations worldwide. Despite their diversity, most standards organizations follow similar processes to develop standards. This course describes the most common processes used to develop industry, national, and international standards.

Objectives. The objectives of this course are to:
1. Explain the process for developing standards using examples of industry, national, and international procedures
2. Describe the globally recognized principles for standards development
3. Consider options for financing the standards development process
4. Identify resources for assistance in developing standards

Target Audience: Anyone new to standards or those needing a refresher on the subject, such as:
- Participants on standards committees
- Corporate engineering, manufacturing, and design staff
- Government and public administration staff
- University faculty and students (engineering, business, public policy, law)
- Standards development organizations staff

Course #5: Standards and Trade

What is the role of standards in the global marketplace? The link between standards and international trade is examined in this course.

Objectives. This course will:
1. Demonstrate the importance of standards to global trade
2. Describe standards harmonization and illustrate the concept using examples
3. Detail the benefits of using international standards to facilitate global trade
4. Explain the relationship between standards and trade agreements

Target Audience:

- Corporate engineering and design staff
- Government and public administration staff
- Staff of policy and research institutions
- NGOs concerned with global trade
- University faculty and students (engineering, business, public policy, law)
- Standards development organizations staff

Course #6: Conformity Assessment

What is conformity assessment and how does it relates to standards? This course provides an overview of testing, certification, and other related elements of conformity assessment.

Objectives. The objectives of this course are to help you:

1. Define conformity assessment and related terms
2. Distinguish between the various methods for determining conformity
3. Explain the principles of conformity assessment
4. Describe your national conformity assessment system and its relationship to regional and international programs
5. Illustrate how harmonization of procedures and mutual recognition agreements facilitate global trade

Target Audience:

• Corporate engineering and design staff
• Quality managers
• Government and public administration staff
• Staff of policy and research institutions
• NGOs concerned with global trade
• University faculty and students (engineering, business, public policy, law)
• Standards development organizations staff
• Staff of testing laboratories, inspection bodies, certification bodies, and accreditation authorities

Course #7: Strategic Standardization

Standards are as much of a business issue as a technical one. This course examines the benefits of adopting a strategic approach to standardization by companies and government agencies.

Objective: The objectives of this course are to help you:
1. Explain the importance of having a standards strategy
2. Identify the reasons for using standards
3. Demonstrate why it is beneficial to participate in standards development
4. Determine how to implement strategic standardization in your organization
5. Apply recent research about the economic benefits of standardization

Target Audience:

• Corporate executives such as CEOs and senior business, manufacturing, and engineering staff
• Government and public administration staff
• Staff of policy and research institutions
• University faculty and students (engineering, business, public policy, law)
• Standards development organizations staff

Course #8: Finding Standards
Standards users frequently require assistance in finding the standards appropriate for their needs. This course addresses the problems that standards users have in identifying the standards they need and in obtaining the required documents.

Objectives. This course will help you to:
1. Make use of a variety of sources to identify standards
2. Locate suppliers for purchasing standards
3. Find services to help you keep your standards collection up-to-date
4. Choose the appropriate format for obtaining standards

Target Audience:

- Corporate librarians
- Purchasing staff
- Corporate engineering and design staff
- Government and public administration staff
- University faculty and students (engineering, business, public policy, law)
- Standards development organizations staff

Other Courses from IP-Shield:

Copyright Aware™

Copyright Aware is designed for users of copyrighted standards and technical documents in the workplace, and teaches users how to properly handle these copyrighted materials. This engaging course takes its audience through the history and definition of copyright, general rules for copying and distributing licensed documents, and the ramifications of misuse. It provides real-world examples of infringing activities in the workplace. Common practices such as photocopying, emailing or putting content on a CD for distribution are generally infringing activities, which is pointed out in the course.

For more information contact us at sales@ip-shield.com or 720.226.9108