



Searching for Standards Information via the Internet

Incorporating Standards into
Capstone Design Courses

Ms. Pamela Suett
Education and Training Services
American National Standards Institute





NSSN
A NATIONAL RESOURCE
FOR GLOBAL STANDARDS

Over time, the NSSN has evolved from its original intended use: to serve as a (1) source of bibliographic information about standards and (2) pointer to standard developers.

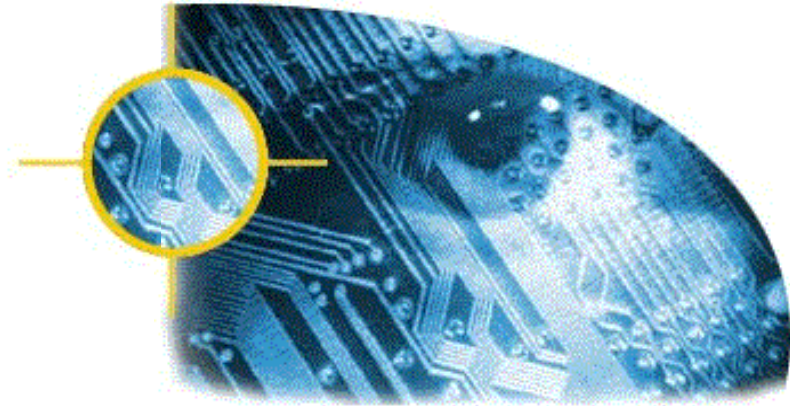


*Today, the NSSN
represents a*

*“Virtual
Standards
Mall”*

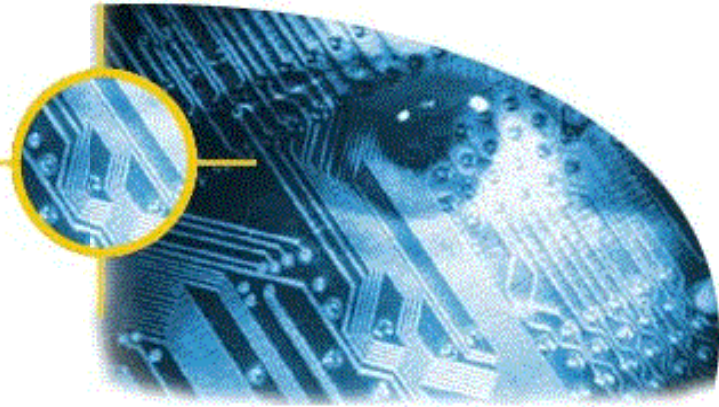
*connecting those who
need standards to those
who can provide them.*

Benefits



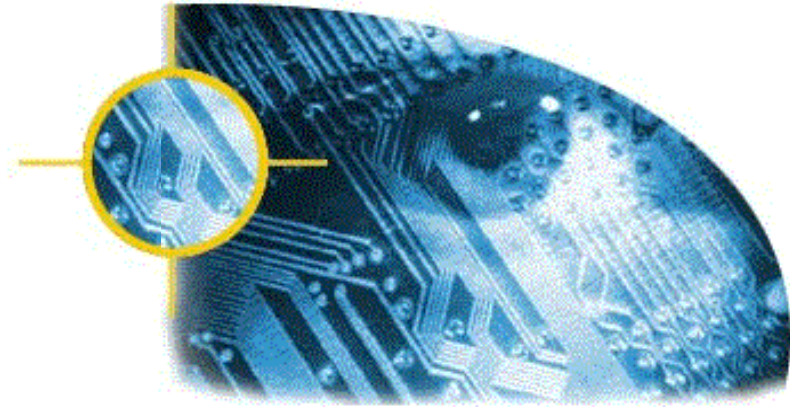
- The NSSN provides . . .
 - Ability to better orchestrate U.S. government agency, industry, consumer and academic efforts in global standardization
 - Strategic identification of which committees are working on which standards
 - Ability to determine what other standards are similar to, or referenced by, those standards that are critical to a specific program area
 - Easier integration of internal and external standards and related information

Product Description



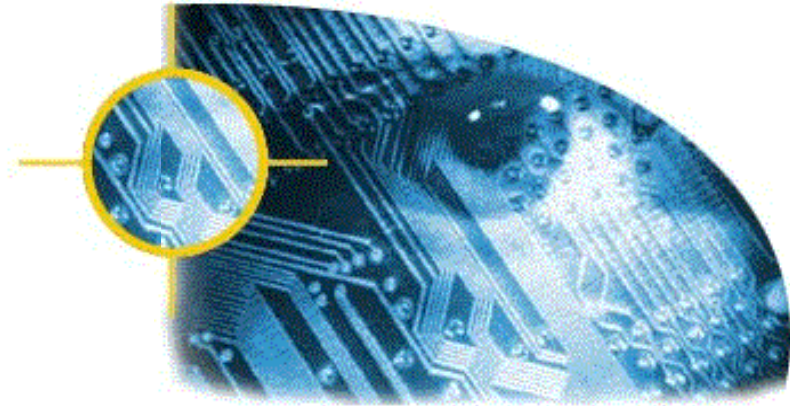
- The NSSN is a free, web-based information service sponsored by the American National Standards Institute
 - Serves as a single point to search for information on approved standards
 - Facilitates direct electronic access to standards (when available)
 - Provides contact information on domestic and international standards development activities

Functionality



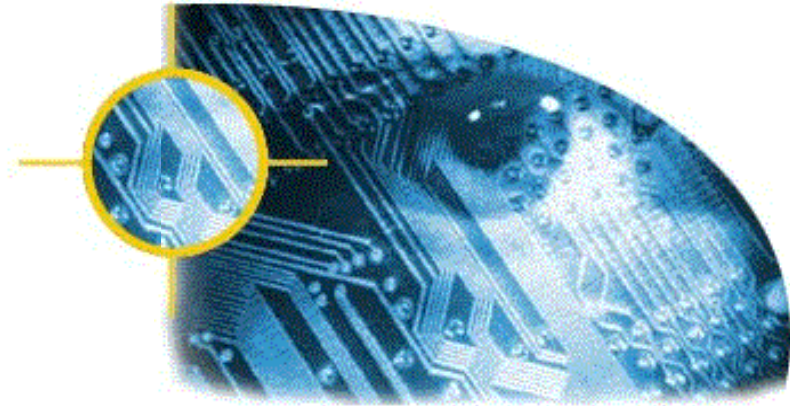
- Search capabilities and summary results
- Access and functionality for Network Site License Customers (such as university libraries)
- Cross-references to regulatory documents
- Expanded summary results about standards developing organizations

Collections



- ❑ Comprehensive source for status/availability information on more than 250,000 approved standards
 - National
 - International
 - Regional
 - Foreign
- ❑ Sophisticated search mechanisms
- ❑ Bibliographic data, including scopes or abstracts (when provided by developer)
- ❑ Regular updates by the developing organizations

Document Access



- ❑ Seamless link to ANSI Online Electronic Standards Store (ESS) for electronic copies of hundreds of American National Standards (ANS) and ISO standards (including ISO 9000 and ISO 14000)
- ❑ Seamless link to the shopping carts of standards developers, such as ASTM, or designated information resellers

Navigating the NSSN

Features, Design, and Structure



www.NSSN.org | www.StandardsMall.org



Search Functions

- ❑ Search by document number, title, abstract, developing organization, or committee
- ❑ Search using all words, any words, or search for a phrase

Search Features

SEARCH

Find by Document Number iso 9000

(Partial Document Number)

Find by Title Word

Search Criteria All Words

Page Size 25

Find Term(s) anywhere in the record

Committee Responsible

Include standards Developed by
Use the Ctrl/Shift and the mouse to select more than one

- ISDSI
- ISEA
- ISHM
- ISO**
- ISRI

Search on Checked Databases

	Approved	Development
Industry	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
International	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Government	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CFR	<input checked="" type="checkbox"/>	

568 Developer records.

International Organization for Standardization

Document
Number

Word in Title

Committee

Developer

Search Features (continued)

The screenshot shows a web browser window at <http://www.nssn.org/search.html>. The page features a search form with several sections:

- SEARCH** (highlighted with a yellow circle)
- Find by Document Number** (with a text input field and a checkbox for "(Partial Document Number)")
- Find by Title Word** (with a text input field)
- Search Criteria** (with a dropdown menu showing "All Words", "Any Words", "Exact Phrase", and "Boolean Search")
- Page Size** (with a text input field)
- Find Term(s) anywhere in the record** (with a text input field)
- Committee Responsible** (with a text input field)
- Include standards Developed by** (with a dropdown menu showing "All Developers", "3-A", "A2LA", and "AA")
- Search on Checked Databases** (with a table of checkboxes for "Industry", "International", "Government", and "CFR" under "Approved" and "Development" columns)

A "NEW" badge is visible in the bottom left corner. A yellow line connects the "SEARCH" header to the search form. A black arrow points from the "Any Words" option in the "Search Criteria" dropdown to the text "Refine search criteria via a drop-down menu".

Refine search criteria via a drop-down menu

- All words
- Any words
- Exact phrase
- Boolean search

Slide 12

Summary Results

- Developing organization
- Document number and title
- Links to more complete bibliographic data

Summary Results (continued)

SEARCH

NSSN
A NATIONAL RESOURCE FOR GLOBAL STANDARDS

ANSI
NSSN Home

Information Resources
Search for Standards
Developers
Subscribe
About NSSN
Contact Us
Privacy Policy
Help

Thursday, February 6, 2003

Document Number	Developer	Status
Displaying documents 1 to 25 of a total of 122		
1. ANSI X9.10-1992 (R1998)	ASC X9	American National Standard
Title: Merchant Category Codes		
2. ANSI X9.1-1991	ASC X9	American National Standard
Title: Bank Cards - Magnetic Stripe Content for Track 3		
3. ANSI X9.12-1991 (R1998)	ASC X9	American National Standard
Title: Municipal Securities, Specifications for Fully Registered		
4. ANSI X9.13-1999	ASC X9	American National Standard
Title: Placement and Location of MICR Printing, Specifications for the		
5. ANSI X9.14-1983 (R2001)	ASC X9	American National Standard
Title: Securities Transaction Interchange Forms, Specifications for		

Document Number

Developing Organization

ANSI Status

Title

Detailed Results

- Full name of developing organization
- Document number
- Title
- Scope (where available)
- Other bibliographic information as available
- Ordering information

Detailed Results (continued)

SEARCH

NSSN
A NATIONAL RESOURCE FOR GLOBAL STANDARDS

ANSI
NSSN Home

Information Resources
Search for Standards
Developers
Subscribe
About NSSN
Contact Us
Privacy Policy
Help

Thursday, February 6, 2003

ASC X9	(Accredited Standards Committee X9, Inc.)	
Document Number: ANSI X9.31-1998		
Title: Digital Signatures Using Reversible Public Key Cryptography for the Financial Services Industry (rDSA)		
Scope: Covers both the manual and automated management of keying material using both asymmetric and symmetric key cryptography for the wholesale financial services industry.		
Screen Friendly		
Publication Date: 9/9/1998		
Ansi Approved: Yes		
Date file last updated on NSSN: 1/29/03 10:53:30 AM		
SDO Approval Date: Not Available		
ANSI Approval Date: 9/9/1998		
Ordering/Download Information		
Price	Format	Location
\$US Unknown	PDF	ANSI Electronic Standards Store

Email this record

SDO name
Document #
Title

Scope

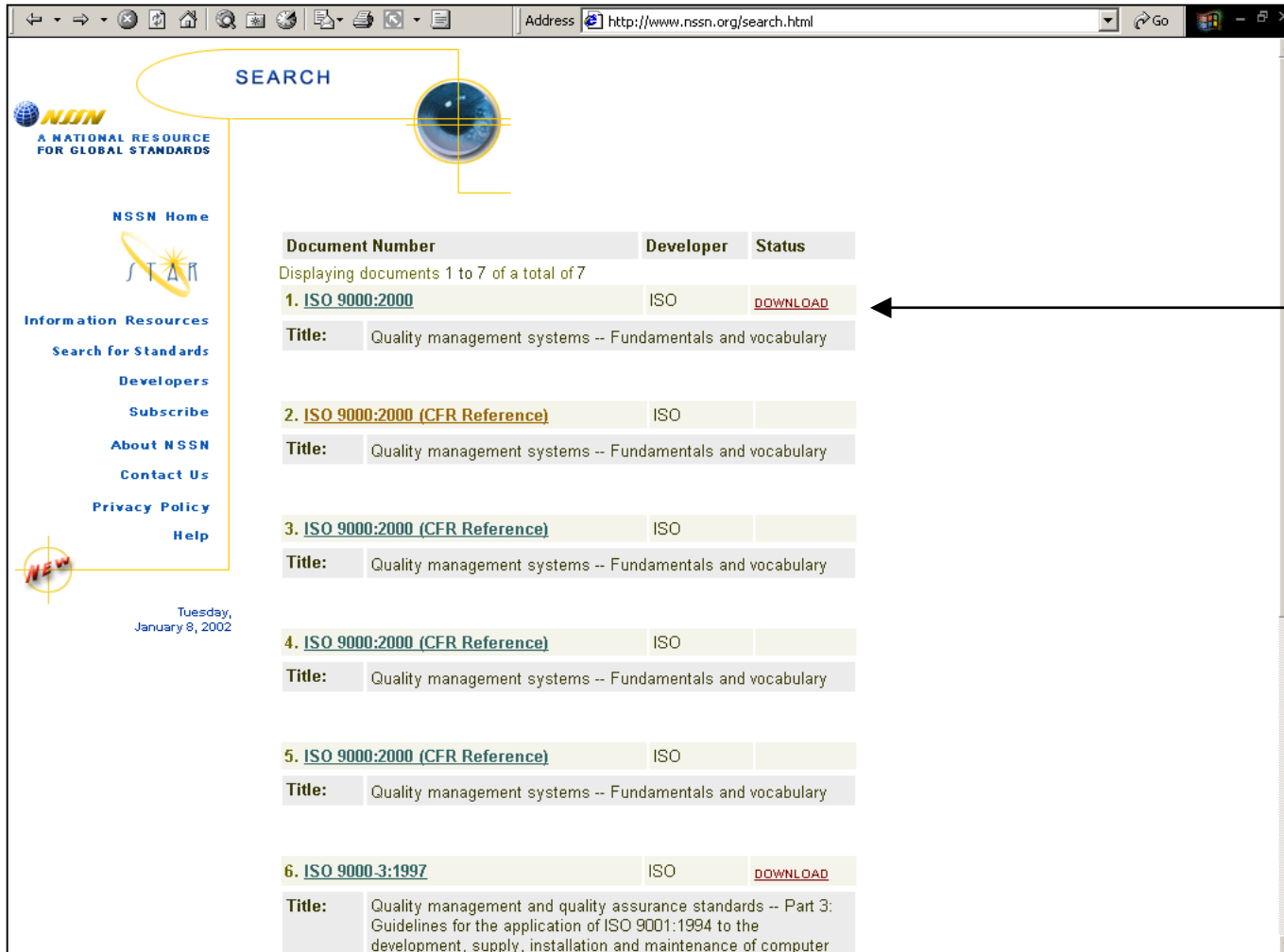
Other Information

Information on how to obtain the standard

Simple Access to Network Site Licenses

- Network Site License Customers can download documents directly from search summary results screen

Network Site License (continued)



The screenshot shows a web browser window at <http://www.nssn.org/search.html>. The page features a search bar at the top and a sidebar on the left with navigation links. The main content area displays a table of search results for 'Quality management systems -- Fundamentals and vocabulary'. The first result, '1. ISO 9000:2000', has a 'DOWNLOAD' link highlighted in red. A yellow oval highlights the search bar, and a yellow line connects it to the 'DOWNLOAD' link. A black arrow points from the text on the right to the 'DOWNLOAD' link.

Document Number	Developer	Status
Displaying documents 1 to 7 of a total of 7		
1. ISO 9000:2000	ISO	DOWNLOAD
Title: Quality management systems -- Fundamentals and vocabulary		
2. ISO 9000:2000 (CFR Reference)	ISO	
Title: Quality management systems -- Fundamentals and vocabulary		
3. ISO 9000:2000 (CFR Reference)	ISO	
Title: Quality management systems -- Fundamentals and vocabulary		
4. ISO 9000:2000 (CFR Reference)	ISO	
Title: Quality management systems -- Fundamentals and vocabulary		
5. ISO 9000:2000 (CFR Reference)	ISO	
Title: Quality management systems -- Fundamentals and vocabulary		
6. ISO 9000-3:1997	ISO	DOWNLOAD
Title: Quality management and quality assurance standards -- Part 3: Guidelines for the application of ISO 9001:1994 to the development, supply, installation and maintenance of computer		

One-step access to document downloads is available directly from the search summary results page.

Network Site License (continued)

SEARCH

NSSN
A NATIONAL RESOURCE
FOR GLOBAL STANDARDS

NSSN Home

Information Resources

Search for Standards

Developers

Subscribe

About NSSN

Contact Us

Privacy Policy

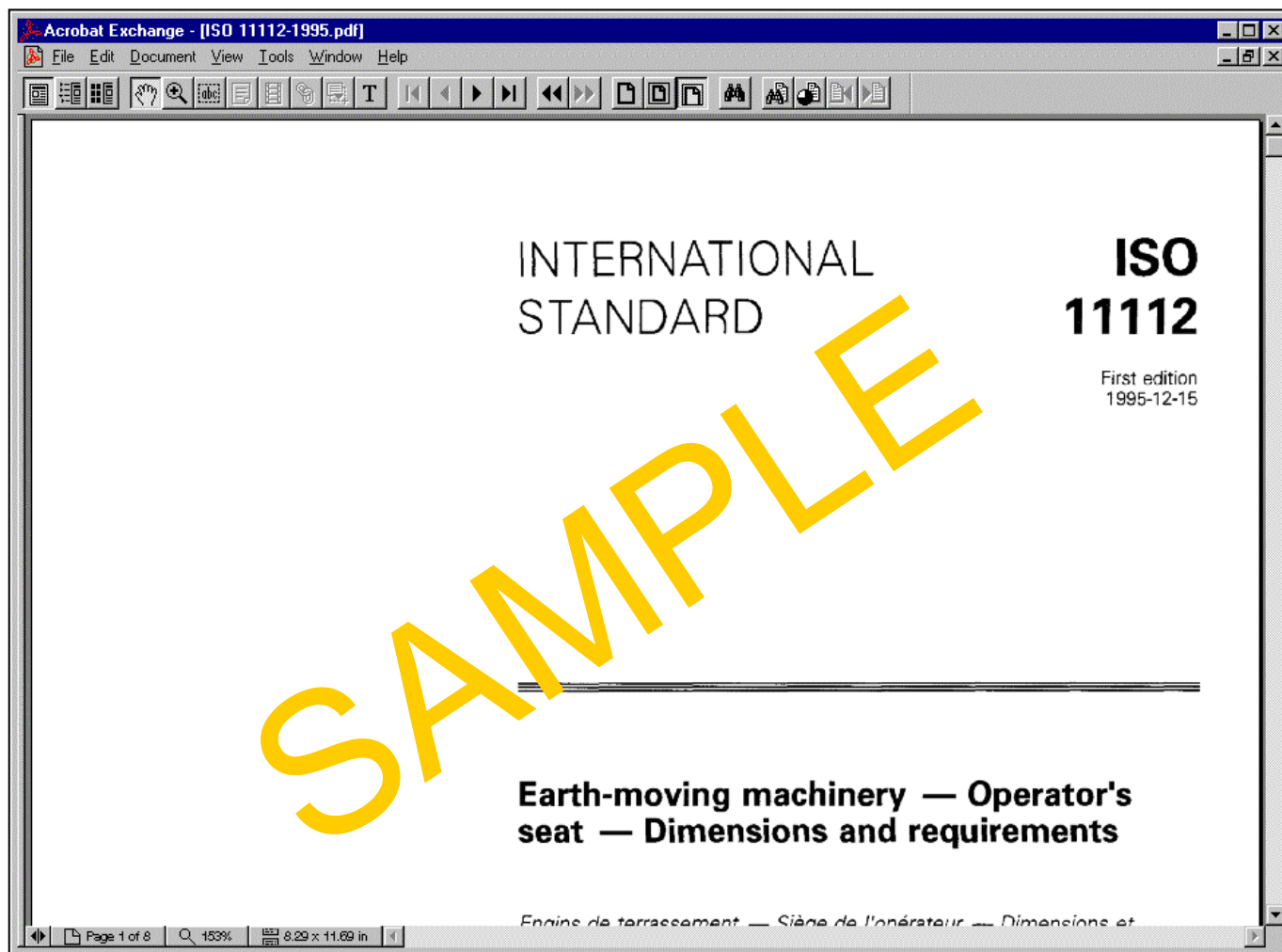
Help

Tuesday,
January 8, 2002

Document Number	Developer	Status
Displaying documents 1 to 7 of a total of 7		
1. ISO 9000		File Download
Title:	You have chosen to download a file from this location. search.html from www.nssn.org	
2. ISO 9000		
Title:	What would you like to do with this file?	
3. ISO 9000		
Title:	<input checked="" type="radio"/> Open this file from its current location	
4. ISO 9000		
Title:	<input type="radio"/> Save this file to disk	
5. ISO 9000:2000 (CFR Reference)	ISO	
Title:	Quality management systems -- Fundamentals and vocabulary	
6. ISO 9000-3:1997	ISO	DOWNLOAD
Title:	Quality management and quality assurance standards -- Part 3: Guidelines for the application of ISO 9001:1994 to the development, supply, installation and maintenance of computer	

Documents
can be
downloaded
to the user's
desktop
within
seconds.

Network Site License (continued)



Most documents are delivered in a non-revisable .pdf format.

Slide 20

Cross-Referencing

- ❑ References to voluntary standards in the Code of Federal Regulations (CFR)
- ❑ Information includes document number and title, text of the reference, and section of CFR where document is referenced
- ❑ Information provided by RegScan, Inc.

Cross-Referenced Information with the Code of Federal Regulations (CFR)

SEARCH

NSSN
A NATIONAL RESOURCE FOR GLOBAL STANDARDS

NSSN Home

Information Resources

- Search for Standards
- Developers
- Subscribe
- About NSSN
- Contact Us
- Privacy Policy
- Help

Tuesday, January 8, 2002

ISO (International Organization for Standardization)

Document Number: ISO 9000:2000 (CFR Reference)

Title: Quality management systems -- Fundamentals and vocabulary

Scope:

This standard is referenced in the following section of the Code of Federal Regulations: 46 CFR 298
The reference reads as follows: 9000
This information is provided by [RegScan, Inc.](#)

Screen Friendly

Publication Date:

Date file last updated on NSSN: 10/16/01 10:06:25 AM

SDO Approval Date:

ANSI Approval Date:

Ordering/Download Information

Price	Format	Location
\$US Unknown	PDF	RegScan

Email this record

**CFR data
referenced
within scope.**
*Provided by
RegScan*

Information About Standards Developers

- ❑ Searchable database
- ❑ Information from the NIST Special Publication 806 *Standards Developing Organizations in the United States*
- ❑ Pre-defined list of ANSI-accredited standards developers and ANSI-accredited Technical Advisory Groups

Information About Standards Developers (continued)

DEVELOPERS

NSSN is a vehicle to navigate global standards information, routing users to the appropriate source of technical data.

Search For Developers
Search for Standard Developers against the ANSI Standard Developers database.

ANSI Accredited Standards Developers
ANSI accredits qualified organizations to develop standards in the technical area in which they have expertise. ANSI's role is to administer the voluntary consensus standards system, providing a neutral forum for the development of policies on standards issues and serving as an oversight body to the standards development and conformity assessment programs and processes.

Acronym Directory
Alphabetized by acronym, this directory will help you identify the full name of standards developers referenced in this site. Also indicates whether the developer has been accredited by ANSI. (html file)

[SEARCH](#) | [STAR](#) | [DEVELOPERS](#) | [INFORMATION](#) | [ABOUT NSSN](#) | [CONTACT US](#) | [HELP](#)
Copyright © 1997-2003 by the American National Standards Institute (ANSI)
[Terms & Conditions](#)

Tuesday,
February 4, 2003

Internet

Slide 24



Information About Standards Developers (continued)

SEARCH

NSSL
A NATIONAL RESOURCE FOR GLOBAL STANDARDS

ANSI

[NSSL Home](#)

[Information Resources](#)

[Search for Standards](#)

[Developers](#)

[Subscribe](#)

[About NSSL](#)

[Contact Us](#)

[Privacy Policy](#)

[Help](#)

Tuesday, February 4, 2003

Standards Activities of Organizations in the United States

There are over 750 organizations in the United States that are involved in standards activities. These include both private sector organizations such as trade associations, professional societies, and labor unions, as well as many agencies of the federal government.

You can search either by a developer's acronym or name, or using a full text search.

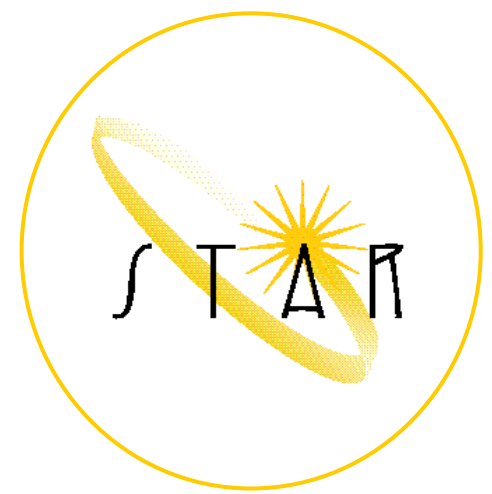
Search by Acronym	<input type="text"/>
Search by Name	<input type="text"/>
Search Full Text	<input type="text"/>
(ANSI-Accredited SDO Only)	<input type="checkbox"/>
<input type="button" value="Start Search"/> <input type="button" value="Clear Form"/>	

[List of all SDO](#) [List of ANSI-Accredited SDO](#)

Search by

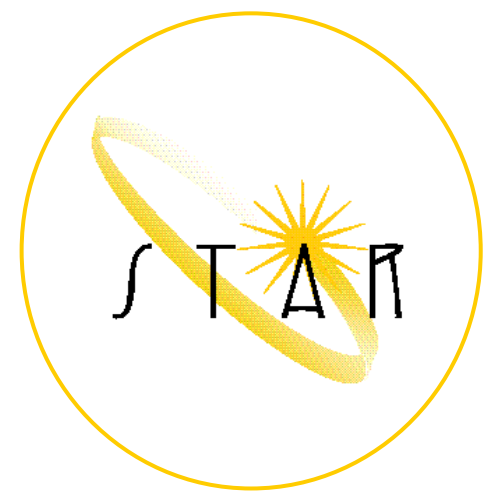
- Acronym
- Name
- Full Text

Standards Tracking & Automated Reporting (STAR) Service



- **STAR** is a fee-based component of the NSSN
 - Users establish profiles for projects of interest
 - Service automatically tracks changes in status of 280,000 projects in development, revision or maintenance
 - E-mail summary notifies user of updates
 - User's personal web page catalogues details of the modification

STAR Service



- ❑ Alerts can be narrow (i.e., one standard) or broad (i.e., an entire industry)
- ❑ Convenient way to track current activity and versions of standards you use
 - Automatic tracking of product areas
 - Notification of changes in external documents that are integral to your products
 - Notification of draft standards and committee drafts at ISO and others

Multiple Access Paths

□ **NSSN: A National Resource for Global Standards**

- www.NSSN.org
- www.NSSN.com

□ **Standards Mall**

- www.StandardsMall.org
- www.StandardsMall.com
- www.StandardsMarket.com



- ❑ Let the NSSN serve as your one-stop “Standards Mall” for document access and information retrieval

- ❑ For more information, contact:
 - Ken Peabody
NSSN Content Management
kpeabody@ansi.org; t: 212 642 8908
 - Pamela Suett
ANSI Education and Training Services
psuett@ansi.org; t: 212 642 4976

