



# Searching for Standards Information via the Internet

Incorporating Standards into  
Capstone Design Courses

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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.

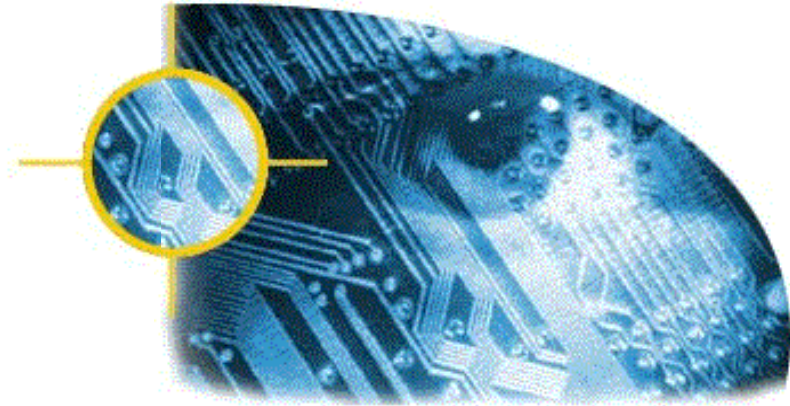


*Today, the NSSN  
represents a*

*“Virtual  
Standards  
Mall”*

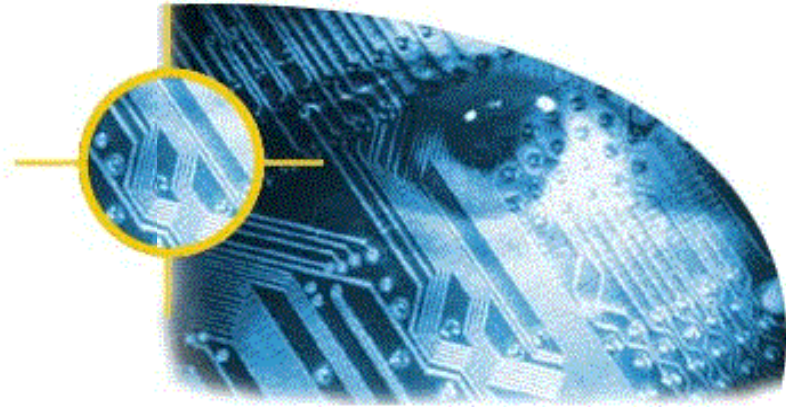
*connecting those who  
need standards to those  
who can provide them.*

# Benefits



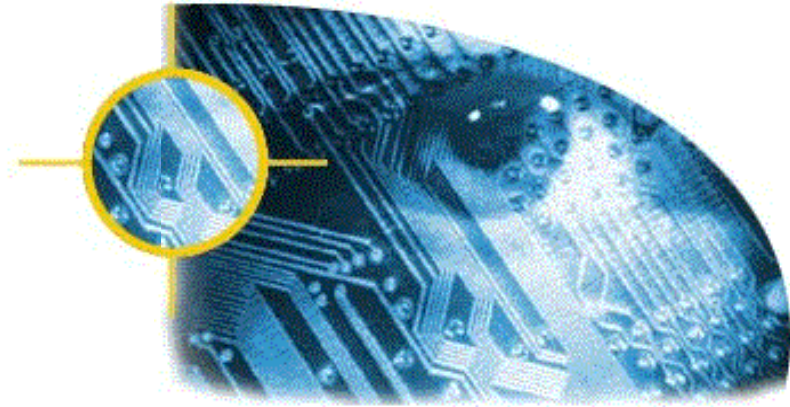
- The NSSN provides . . .
  - Ability to better orchestrate U.S. government agency, industry, consumer and academic efforts in global standardization
  - Strategic identification of which committees are working on which standards
  - Ability to determine what other standards are similar to, or referenced 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

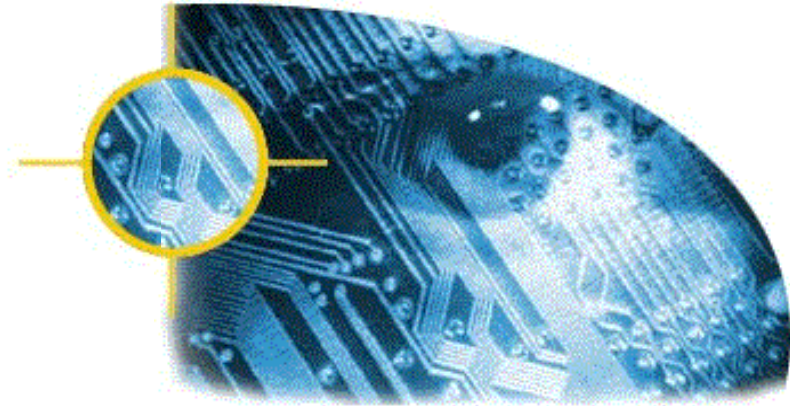
# *Functionality*



- 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

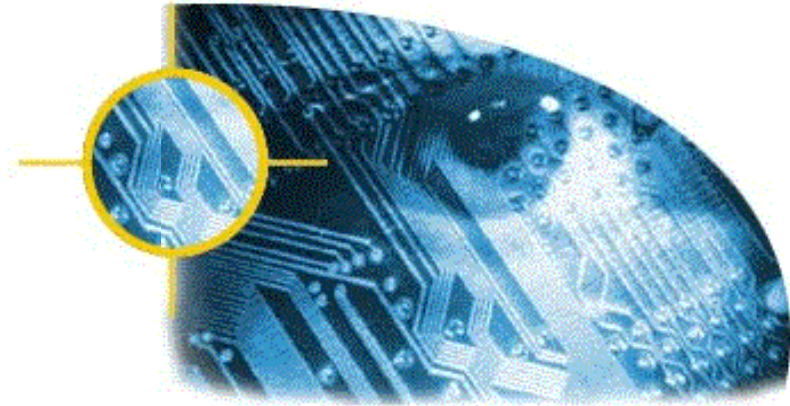


# Collections



- ❑ 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)
- ❑ Links to the web sites of standards developers when an electronic copy is available
- ❑ Contact information for obtaining documents that are only available in hard copy



# Navigating the NSSN

## Features, Design, and Structure



[www.NSSN.org](http://www.NSSN.org) | [www.StandardsMall.org](http://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

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Tuesday,  
January 8, 2002

Address <http://www.nssn.org/search.html> Go

**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)

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**Find by Document Number**

(Partial Document Number)

**Find by Title Word**

**Search Criteria**

**Page Size**

**Find Term(s) anywhere in the record**

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**Include standards Developed by**  
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3-A  
A2LA  
AA

**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 type="checkbox"/>	<input type="checkbox"/>

568 Developer records.

Specify how title searches are handled

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

# *Summary Results*

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



# Summary Results (continued)

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Thursday, February 6, 2003

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

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ASC X9	(Accredited Standards Committee X9, Inc.)	
<b>Document Number:</b> ANSI X9.31-1998		
<b>Title:</b> Digital Signatures Using Reversible Public Key Cryptography for the Financial Services Industry (rDSA)		
<b>Scope:</b> 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		
<b>Publication Date:</b> 9/9/1998		
<b>Ansi Approved:</b> Yes		
<b>Date file last updated on NSSN:</b> 1/29/03 10:53:30 AM		
<b>SDO Approval Date:</b> Not Available		
<b>ANSI Approval Date:</b> 9/9/1998		
<b>Ordering/Download Information</b>		
<b>Price</b>	<b>Format</b>	<b>Location</b>
\$US Unknown	PDF	<a href="#">ANSI Electronic Standards Store</a>

Email this record

**SDO name**  
**Document #**  
**Title**

**Scope**

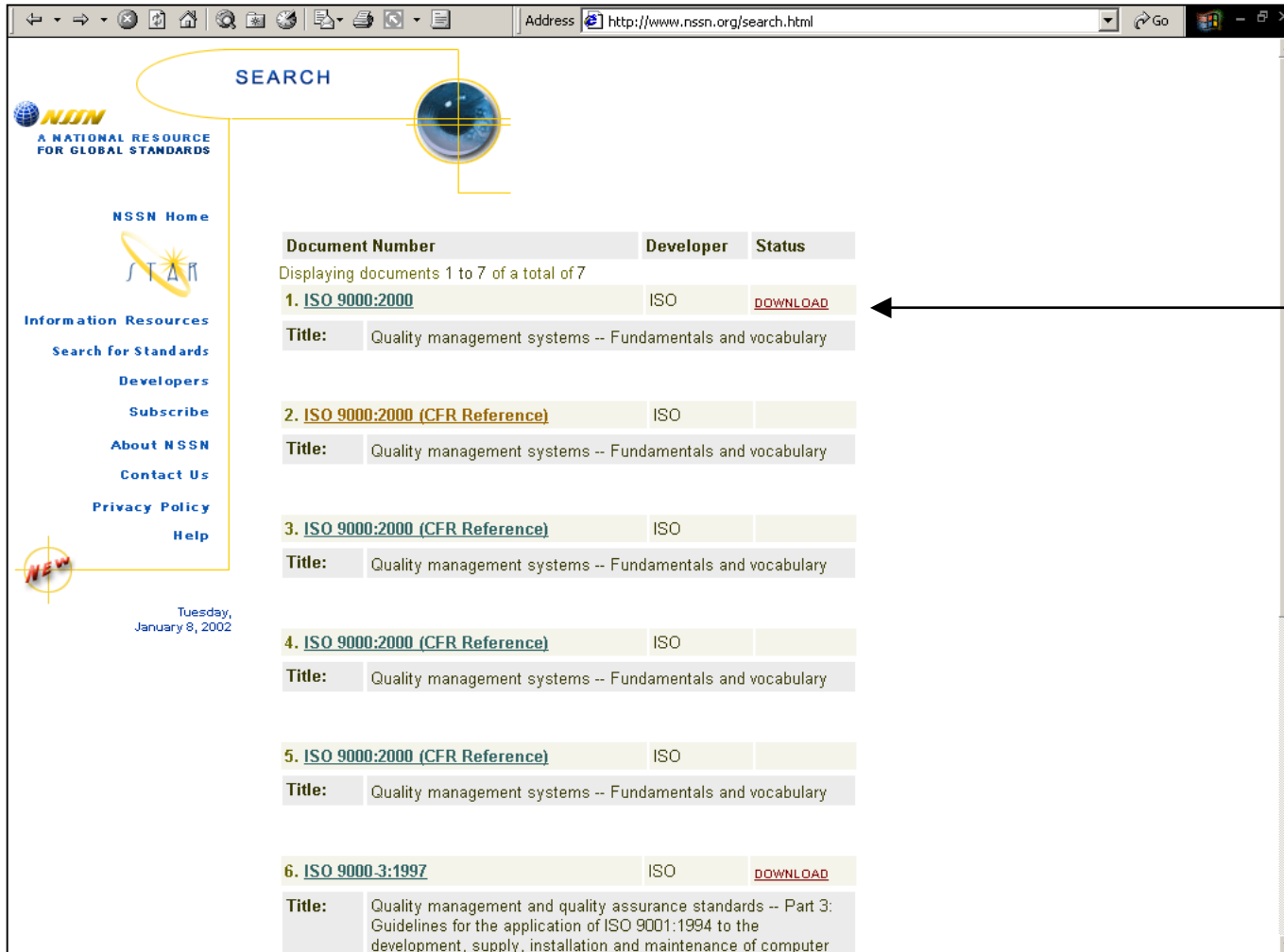
**Other Information**

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, a navigation menu on the left, and a table of search results. A yellow oval highlights the search bar, and a red arrow points from the text on the right to the 'DOWNLOAD' link in the first row of the table.

Document Number	Developer	Status
1. <a href="#">ISO 9000:2000</a>	ISO	<a href="#">DOWNLOAD</a>
Title: Quality management systems -- Fundamentals and vocabulary		
2. <a href="#">ISO 9000:2000 (CFR Reference)</a>	ISO	
Title: Quality management systems -- Fundamentals and vocabulary		
3. <a href="#">ISO 9000:2000 (CFR Reference)</a>	ISO	
Title: Quality management systems -- Fundamentals and vocabulary		
4. <a href="#">ISO 9000:2000 (CFR Reference)</a>	ISO	
Title: Quality management systems -- Fundamentals and vocabulary		
5. <a href="#">ISO 9000:2000 (CFR Reference)</a>	ISO	
Title: Quality management systems -- Fundamentals and vocabulary		
6. <a href="#">ISO 9000-3:1997</a>	ISO	<a href="#">DOWNLOAD</a>
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.



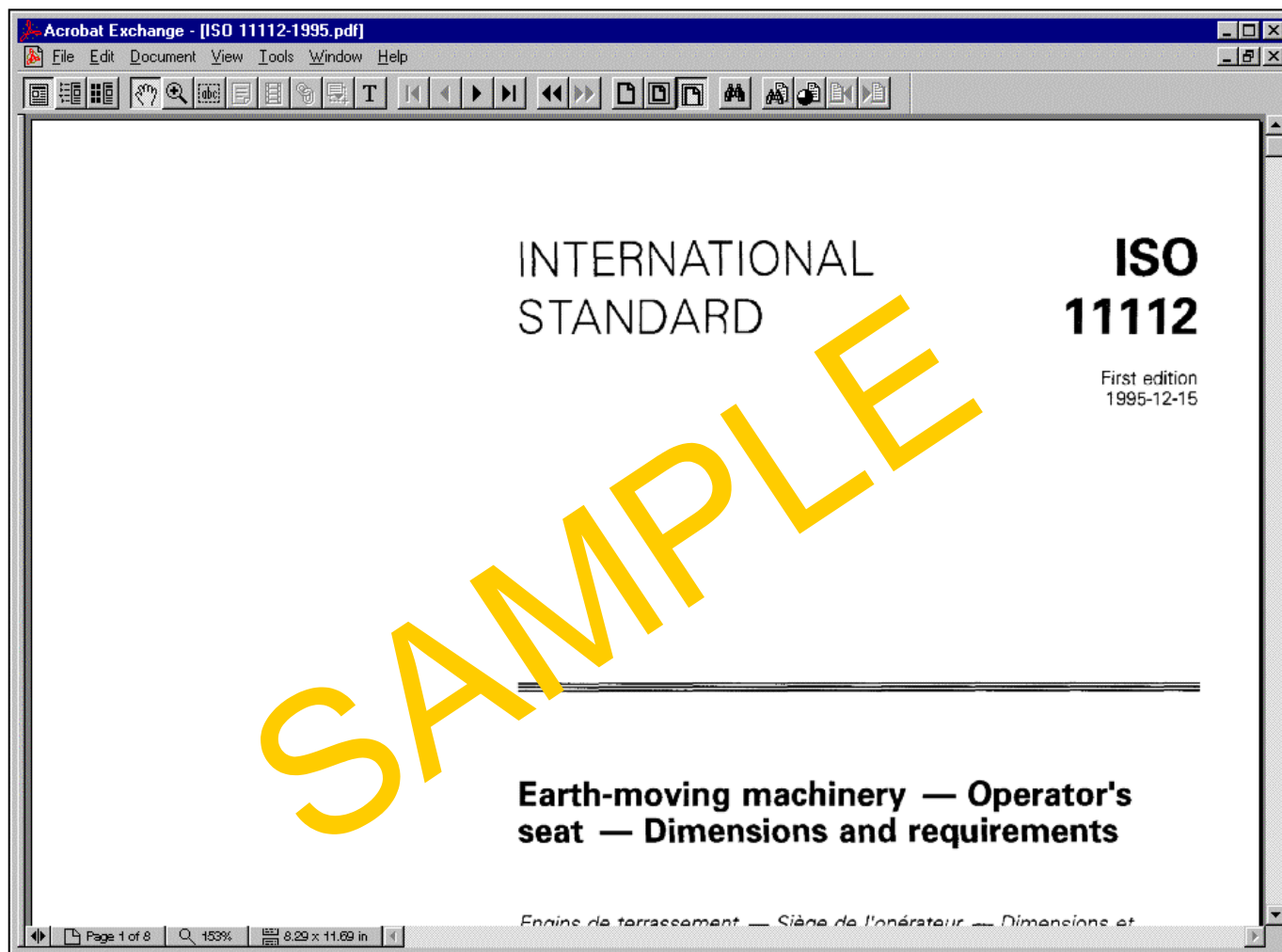
# Network Site License (continued)

The screenshot shows a web browser window at <http://www.nssn.org/search.html>. The page features a search bar at the top, a navigation menu on the left, and a list of search results. A 'File Download' dialog box is open over the first result, asking the user to choose how to handle the file 'search.html' from 'www.nssn.org'. The dialog offers two options: 'Open this file from its current location' (selected) and 'Save this file to disk'. There is also a checkbox for 'Always ask before opening this type of file'. The background search results table is partially visible.

Document Number	Developer	Status
Displaying documents 1 to 7 of a total of 7		
1. ISO 9000		
Title:		
2. ISO 9000		
Title:		
3. ISO 9000		
Title:		
4. ISO 9000		
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	<a href="#">DOWNLOAD</a>
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.**

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# *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)

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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	<a href="#">RegScan</a>

Email this record

CFR data  
referenced  
within scope.

# *Information About Standards Developers*

- ❑ Searchable database
- ❑ Information based on 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)

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### 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.

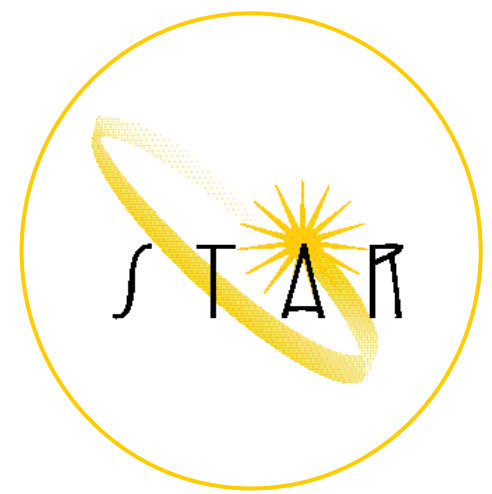
Search by <b>Acronym</b>	<input type="text"/>
Search by <b>Name</b>	<input type="text"/>
Search <b>Full Text</b>	<input type="text"/>
(ANSI-Accredited SDO Only)	<input type="checkbox"/>
<input type="button" value="Start Search"/> <input type="button" value="Clear Form"/>	

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

## Search by

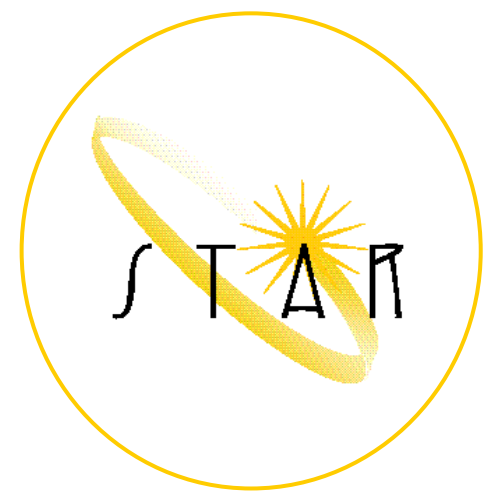
- Acronym
- Name
- Full Text

# ***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 in development, revision or maintenance
  - Provides information about new standards in an area of interest
  - 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](http://www.NSSN.org)
- [www.NSSN.com](http://www.NSSN.com)

## □ **Standards Mall**

- [www.StandardsMall.org](http://www.StandardsMall.org)
- [www.StandardsMall.com](http://www.StandardsMall.com)
- [www.StandardsMarket.com](http://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  
Director, Content Management  
kpeabody@ansi.org; t: 212 642 8908

