

NIST

Global Standards Information



NIST's Standards Information Center

A Resource for You

Today's Discussion

- **Standards**
- **Who We Are**
- **What We Do**
- **How to Use NIST's Standards Information Center**

Documentary Standards

“...written agreements containing technical specifications or other precise criteria that may contain rules, guidelines, or definitions of characteristics”...

(NISTIR 7614, M.A. Breitenberg, August 2009)

Standards can

- specify product characteristics
- establish accepted test methods and procedures
- characterize materials
- define processes and systems,
- specify knowledge, training and competencies for specific tasks

Documentary Standards vs. Physical Measurement Standards

Standards ensure that materials, products, personnel qualifications, processes, and services:

- adequate for their purpose
- are compatible and/or interchangeable, if necessary
- ensure public health and safety
- protect the environment
- improve economic performance

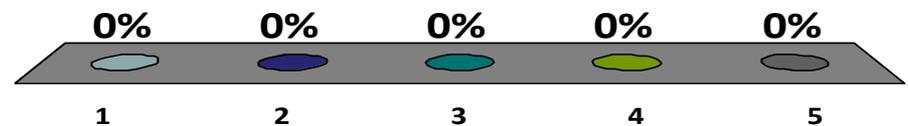
For more information, see *The ABCs of Standardization* at:

http://gsi.nist.gov/global/docs/pubs/NISTIR_7614.pdf

Polling Question

In your research, how often do you need to access documentary standards?

1. Daily
2. Weekly
3. Monthly
4. Rarely
5. Never



Who We Are

- Officially, the National Center for Standards and Certification Information (NCSCI)
- Organizationally, part of the Standards Coordination Office, Standards Services
- Located in Building 222 (Chemistry), Room B105-107
- Worldwide **electronic** documentary standards collections
- Four staff
 - ❑ Anne Meininger (x 2921)
 - ❑ Aubrey Covey (x 6055)
 - ❑ Brenda Umberger (x 4036)
 - ❑ MaryAnn Hogan (x 2918)

What We Do

1. Fulfill a U.S. Congressional mandate
2. Support the NIST mission
3. Meet the documentary standards needs of NIST

1. Fulfill a U.S. Congressional Mandate

Under *19 U.S. Code, Sections 2542 and 2544*, Congress assigns the Department of Commerce to operate three “technical offices.”

Commerce delegated these roles to NIST.

- U.S. national Federal standards information center
- U.S. Inquiry Point and
- U.S. Notification Authority to support
 - (1) the World Trade Organization’s Agreement on Technical Barriers to Trade (WTO TBT) and
 - (2) U.S. Free Trade Agreements

2. Support the NIST Mission

- To promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that
 - enhance U.S. economic security and
 - improve U.S. quality of life*
- And to meet U.S. trade stakeholders' needs for current, authoritative, and actionable information to enable U.S. global export success

**NIST Mission, Vision, Core Competencies, and Core Values online:
www.nist.gov/public_affairs/mission.cfm*

3. Meet the Standards Needs of NIST

Providing customized research services and resources

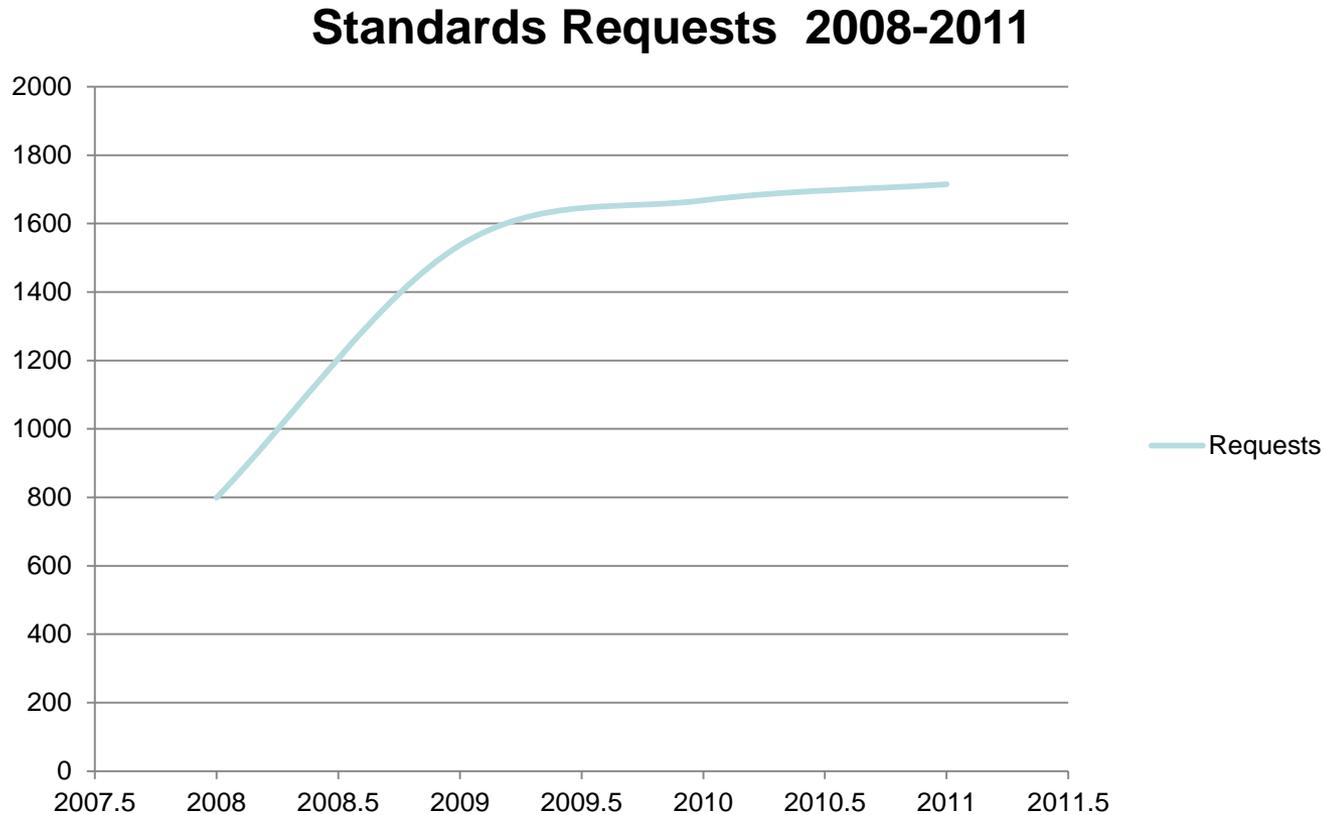
- Standards and Codes
- Technical Regulations
- Conformity Assessment Procedures

NOTE: The Center responds *bibliographically*, not technically.

... and by

- Custom information and research on documentary standards
 - U.S. industry, Federal, and military
 - Foreign country, regional, and international
- Recommend websites
- Provide standards to NIST staff on request
- Guidance on and negotiation of licensing agreements for standards for NIST laboratory or portal use

Standards Requests by NIST Staff Double in 3 Years



Standards Resources and Databases

- Access to one million+ full-text documentary standards, from over 500 standards developers, including

ASTM

IEC

NEMA

ISO

NFPA

AIHA

SEMI

CGA

- Access to the following standards indexes

ANSI

IHS Standards and Specifications

SAI Global

Tech Street

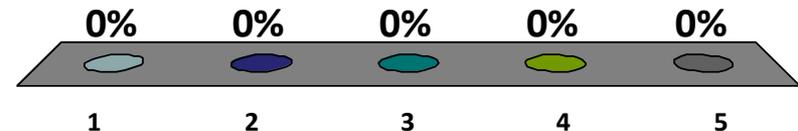
Standards Requests by NIST Divisions

Div. #	Division Name	# of requests	# of documents
153	Safety, Health and Environment	70	253
601	Standards Services Group	203	489
602	Special Programs (OLES & SG)	74	142
639	Analytical Chemistry Division	56	109
652	Ceramics Division	53	99
682	Ionizing Radiation Division	49	100
690	Weights and Measures Division	81	130
731	Materials & Construction Division	82	142
735	Intelligent Systems Division	108	197
773	Computer Security Division	83	193
774	Information Access Division	109	259

Polling Question

At NIST, which standards are most often requested by staff to support their research?

1. Underwriters Laboratories (UL)
2. International Organization for Standardization (ISO)
3. ASTM International
4. American Society of Mechanical Engineers (ASME)
5. SAE International



Standards NIST Staff Are Using Most

- ASTM International
- International Organization for Standardization (ISO)
- International Electrotechnical Commission (IEC)
- National Fire Protection Association (NFPA)
- The Association of Electrical and Medical Imaging Equipment Manufacturers (NEMA)
- American Association of State Highway and Transportation Officials (AASHTO)
- American Nuclear Society (ANS)

What about standards and copyright?



- Copyright defines the fair use of published information protected by the law. Fair use includes photocopying copyrighted materials with permission or paying royalties for the privilege
- The NIST Standards Information Center is well-versed in the U.S. copyright law (see *The Copyright Act of 1976, Title 17 United States Code*) and will follow this law when making decisions regarding copyright
- You should assume that most works are copyright-protected. Industry standards, e.g., ASTMs and ISOs, are copyrighted. Government acts, regulations, specifications, and laws are generally not copyrighted and can be copied and distributed as needed

Standards Support for Projects at NIST

Safety – Standards Tip Sheets for the Safety Office
<http://safety.nist.gov>

Smart Grid Technologies – Standards Library
<https://wssts.nist.gov/sites/SmartGrid/default.aspx>

OLES Project – with NIST's Office of Law
Enforcement Standards (OLES) to provide
Standards to U.S. First Responders
<http://i2.saiglobal.com/landingpage/nist/>

U.S. WTO TBT Inquiry Point and Notification Authority

The office works in partnership and collaboration with **153** WTO Member countries

- Inquiry Point is an information and communications office
- Notification Authority alerts on draft U.S. technical regulations affecting global trade partners
- Operates the **Notify U.S.** online service for U.S. industry and exporters



Sign In

My Email Address

My Password

[Subscribe](#)

[Forgot Password](#)

Topics

[About](#)

[Help](#)

[FAQs](#)

[Resources](#)

[News](#)

[Contact Us](#)

[Feedback](#)

[Comment Guidance](#)

[Translation Services](#)

Monday February 5, 2007



Notify U.S.

New Country Joining the WTO

Vietnam has joined the WTO and if you wish to track that country, you must update your country profiles.

Welcome

Welcome to the **Notify U.S.** Web site. **Notify U.S.** is a free, web-based e-mail subscription service that offers U.S. entities (citizens, industries, organizations) an opportunity to review and comment on proposed foreign technical regulations that can affect their businesses and their access to international markets. This service and its associated web site is managed and operated by the [National Center for Standards and Certification Information \(NCSCI\)](#) an organization within the [National Institute of Standards and Technology \(NIST\)](#). NIST is part of the U.S. Department of Commerce's (DOC) [Technology Administration](#).

Purpose

The purpose of **Notify U.S.** is to collect and fulfill subscriber requests for information on [World Trade Organization \(WTO\)](#) Agreements relating to **Technical Barriers to Trade (TBT)**. Member countries of the [World Trade Organization \(WTO\)](#) are required under the Agreement on Technical Barriers to Trade (TBT Agreement) to report to the WTO all proposed technical regulations that could affect trade with other Member countries. The WTO Secretariat distributes this information in the form of "notifications" to all Member countries.

Subscribers

By subscribing to the **Notify U.S. Service**, U.S. entities receive, via e-mail, notifications of drafts or changes to domestic and foreign technical regulations for manufactured products. Included in the subscribers e-mail is a link to the [Notify U.S.](#) web site where they can read more information and order complete texts of the regulations for review and comment. At this time, the **Notify U.S. Service** is only available to subscribers who are U.S. citizens and individuals that are part of U.S. based organizations and industries.

Registered subscribers can access the **Notify U.S. Service** by entering an authorized Email address and password in the Sign In form. Any individual who needs access and does not have or been assigned an account and a password, can select this [Subscribe Link](#) to create an account for subscribing to this service. Subscribers that have forgotten their account and/or password or have had their account disabled, can use this [Forgot Password Link](#) to request that their account be re-enabled or their password reset.

Any unauthorized use of the Notify U.S. Service is prohibited.

Please use the **Sign In** form to access the **Notify U.S. Service** Web site.

Polling Question

Prior to this training session, were you aware of NIST's Standard Information Center services, including procurement of standards or access to standards?

1. Yes

2. No



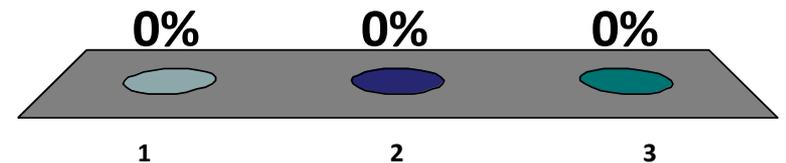
How to Reach the NIST Standards Information Center

- Online via NIST.GOV: <http://www.nist.gov/ncsci>
- Online via NIST Intranet: <http://www-i.nist.gov/ssg>
- Notify U.S. Online: <http://www.nist.gov/notifyus>
- Telephone extension: 4040
- E-mail: ncsci@nist.gov
- Visit Building 222 (Chemistry), Room B105-107

Polling Question

After today's training I am excited to use NIST's Standards Information Center services.

1. Yes
2. Yes, yes, yes!
3. **YES!!! Hooray for the Standards Information Center!!**



Thank You

**Call on us whenever you need
standards or standards-related
research!**

Standards Information Center

**National Center for Standards and Certification
Information (NCSCI) at NIST**