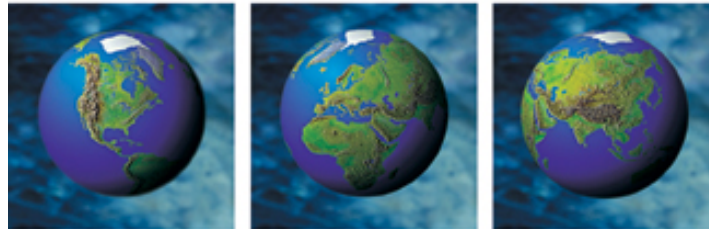




Private Sector Perspective:
*Key “Best Practices” that Strengthen Protection of
Environment, Health and Safety while Facilitating Trade
and Economic Development*



Leslie McDermott
American National Standards Institute

Amman, Jordan
April 26-28, 2010

Presentation Topics

- U.S. Approach to Standards and Conformance and Overview of ANSI
- U.S. Conformity Assessment
- ANSI's International Development Activities
- Overview of U.S. Best Practices

Overview of U.S. Approach to Standards and Conformance

Key Concepts

Standards

Voluntary specifications for a product, service, person, process or system. Not mandated by a government, but may be necessary for market acceptance.

Technical Regulations

Mandatory specifications, which may include (or reference) particular standards or conformity assessment procedures. Mandated and enforced by a government.

Conformity Assessment

Processes used to verify the compliance of a product, service, person, process or system to either a standard or a regulation (e.g., testing, inspection, certification, etc.). May mandatory or voluntary.

***Collectively, these concepts may be referred to as “Standards and Conformance”*

Introduction to ANSI

ANSI is an a 501(c)3 private sector organization that serves as an “Umbrella Organization” for the U.S. standards and conformance systems.



Duties and responsibilities include:

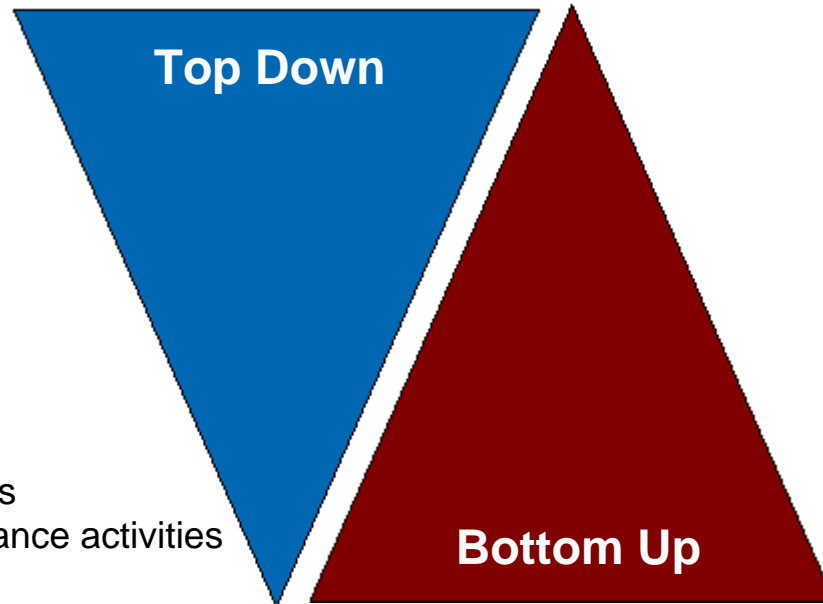
- Develop and promote policies and positions in U.S. private-sector led system
- Accredite Standards Developing Organizations and approve American National Standards (ANS)
- U.S. Representative to ISO, IEC and other international and regional bodies
- Accredite laboratories, inspection bodies, certifiers of products, personnel, management systems, and greenhouse gas emissions
- Provide standards and compliance solutions domestically and internationally

The ANSI Federation represents more than **125,000 companies and organizations** and **3.5 million professionals** worldwide

Members of the ANSI Federation include . . .

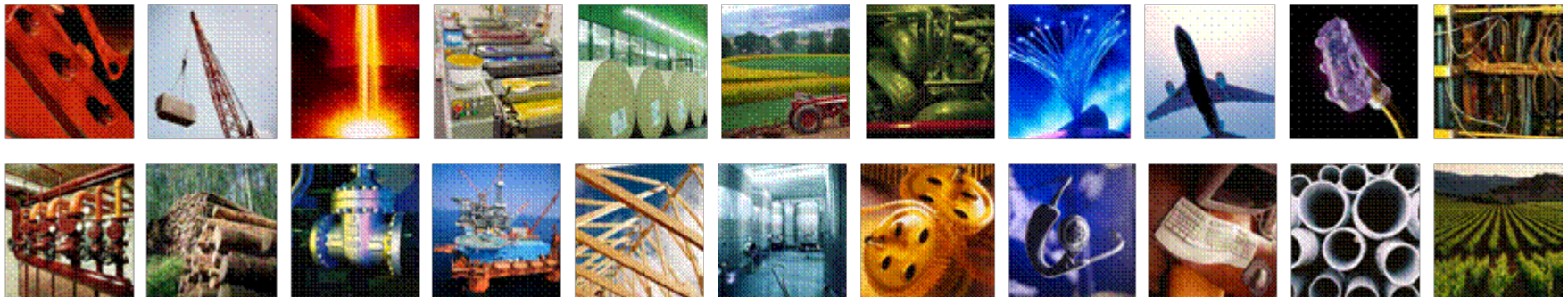
- Academia
- Individuals
- Government
- Manufacturing
- Trade Associations
- Professional Societies
- Service Organizations
- Standards Developers
- Consumer and Labor Interests
- and many more

The Bottom-up U.S. Approach



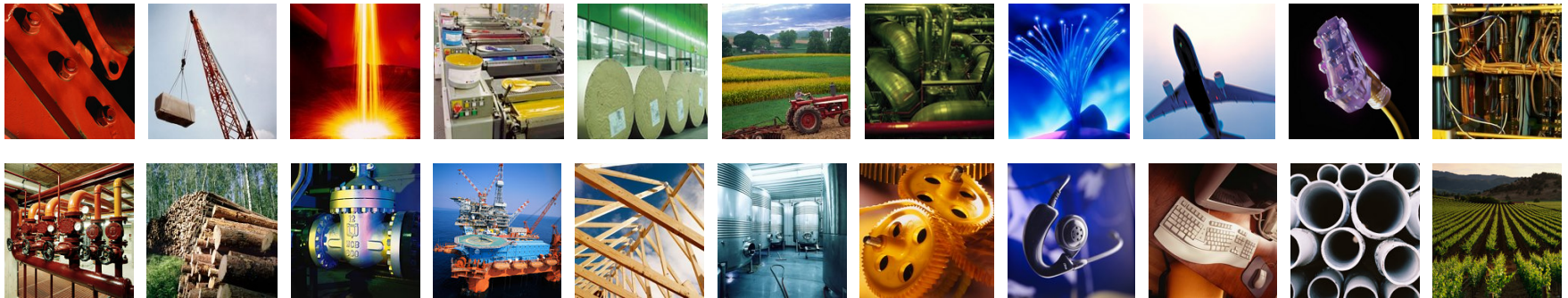
Centralized body drives standard and conformance activities

Users drive standards and conformance activities



Unique Characteristics of the U.S. Approach

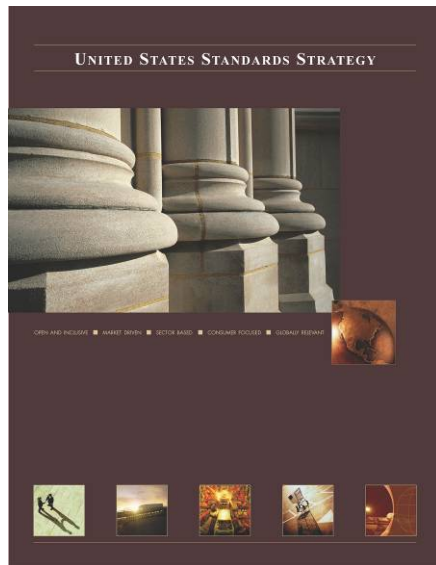
- Emphasizes private-sector **activities and solutions**
- Relies on private-sector **compliance verification** for both regulatory and non-regulatory functions
- Empowers **standards users** (companies, consumers, etc.) to influence what standards will be developed and used in the market



U.S. Standards System: guiding principles

Reliable - Flexible - Responsive

- Market driven
- Flexible and sector-based
- Industry-led and government-supported



As defined in the *United States Standards Strategy*, this system is designed to . . .

- **Support** stakeholder engagement
- **Address** emerging priorities
- **Allow** stakeholders to find **custom-fit solutions**

www.us-standards-strategy.org

Guiding Principles

The U.S. endorses the globally accepted standardization principles of the World Trade Organization Technical Barriers to Trade Agreement and Related Decisions:

Transparency

Openness

Impartiality and Consensus

Effectiveness and Relevance

Coherence

Development Dimension



U.S. Standards System

Different tools for developing globally-relevant standards



National Participation	Direct Participation	Consortia
<ul style="list-style-type: none">▪ Treaty Organizations▪ Non-Treaty Organizations <p><u>Examples</u> <i>Non-Treaty:</i> ISO, IEC <i>Treaty:</i> ITU, CODEX</p>	<ul style="list-style-type: none">▪ Nationally Accepted▪ Internationally Accepted <p><u>Examples</u> ASTM International, ASME, SAE, etc.</p>	<p><u>Examples</u> IGRS, W3C, etc.</p>

U.S. Standards System

Different tools for developing globally-relevant standards



National Participation	Direct Participation	Consortia
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Summary of U.S. Participation in ISO and IEC

ISO

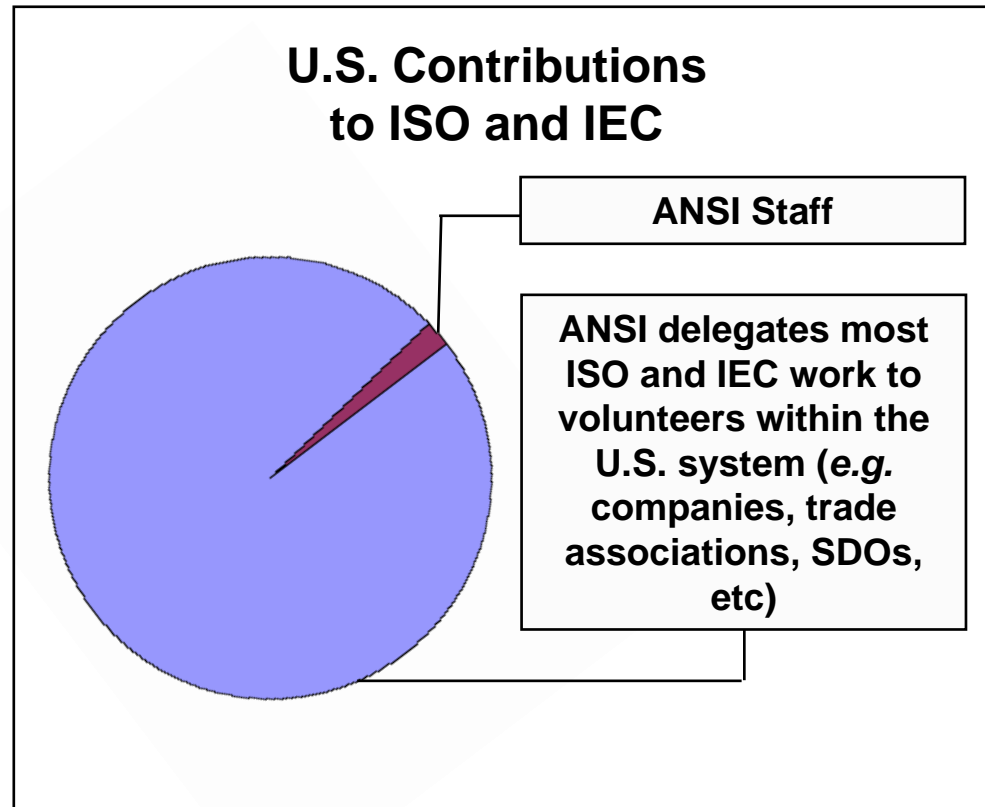
- Participation in 620 TCs and SCs (roughly 79% of total)
 - P Memberships: 570
 - O Memberships: 50
- U.S. – held International Secretariats: 18% of total

IEC

- Participation in 153 TCs and SCs (roughly 89% of total)
 - P Memberships: 153
 - O Memberships: 0
- U.S. – held International Secretariats: 14% of total

ANSI: Coordinator for U.S. Participation

- U.S. Reps. to ISO Council / IEC CB
 - ANSI staff on ISO Council -- 1
 - USNC President on IEC Council Board -- 1
- U.S. Reps. to TMB/SMB
 - ANSI Staff – 1 on TMB and 1 on SMB
 - Volunteers – 1 (on SMB)
- ISO and IEC International Secretariats
 - Most U.S. – held Secretariats are administered by volunteers
 - ANSI staff administer U.S. – held Secretariats only at the request of ANSI constituents.
 - 13 U.S. – held Secretariats are administered by ANSI staff.
- Leadership of U.S. mirror committees (TAGs)
 - Leadership positions on U.S. TAGs are held by ANSI member volunteers.
- U.S. Technical Expert Participation
 - U.S. technical contributions to ISO and IEC are provided by ANSI member volunteers.



U.S. Standards System

Different tools for developing globally-relevant standards



National Participation	Direct Participation	Consortia
<ul style="list-style-type: none">▪ Treaty Organizations▪ Non-Treaty Organizations <p><u>Examples</u> <i>Non-Treaty:</i> ISO, IEC <i>Treaty:</i> ITU, CODEX</p>	<ul style="list-style-type: none">▪ Nationally Accepted▪ Internationally Accepted <p><u>Examples</u> ASTM International, ASME, SAE, etc.</p>	<p><u>Examples</u> IGRS, W3C, etc.</p>

Standards Used in the U.S.:

Accredited/Approved Standards

- ANSI is responsible for accrediting SDOs and approving standards as “American National Standards.”
- National and international SDOs voluntarily choose to receive ANSI accreditation/approval (the U.S. has no legal requirement)
- Accreditation and approval do not guarantee U.S. market acceptance; individual users have complete freedom to choose which standards best suit their needs.
- ANSI accreditation and approval processes do not evaluate a standard’s technical merit, but only evaluate the process by which a standard was developed.

Many American National Standards (ANS) are International Standards

<u>Criteria</u>	<u>WTO/TBT Principles</u>	<u>Criteria Reflected in the ANS Process</u>
Transparency	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Openness	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Impartiality & Consensus	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Effectiveness & Relevance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *
Coherence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Development Dimension	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> **

* Although the ANS process does not directly evaluate Effectiveness & Relevance, adherence to the other ANS criteria helps to assure the effectiveness and global relevance of ANS.

** Although the ANS process does not evaluate for this criteria, it is strongly encouraged in the U.S. Standards Strategy, and many SDOs engage in extensive international outreach and development activities

Examples of ANSI-Accredited SDOs

ASTM
International



American
Society of
Mechanical
Engineers



International
Code Council



American
Dental
Association



National
Electrical
Manufacturers
Association



National Fire
Protection
Association



SAE International

Society of Automotive Engineers



Institute of
Electrical and
Electronics Engineers



**Underwriters
Laboratories Inc.**

Underwriters Laboratories Inc.

American
Society
of Civil
Engineers



American
Petroleum
Institute



**And more than 200
additional organizations**

Getting Involved in U.S.-Based SDOs


www.StandardsPortal.org a resource for global trade

ANSI
American National Standards Institute


The International Language of commerce is standards.

www.StandardsPortal.org provides answers to the critical standards, conformance, market access, and trade-related questions that companies require to succeed in the U.S. and internationally.


Follow the links below to access information on your markets of interest.




EXPORT MARKETS

 **UNITED STATES OF AMERICA**
English 中文简体 中文繁体


- Find Standards
- Find Standards Developing Organizations
- Find Conformity Assessment Bodies

 **PEOPLE'S REPUBLIC OF CHINA**
English 中文简体

- Find GB Standards
- Purchase GB Standards
- SAC Pages


 **REPUBLIC OF INDIA**
English


- Find Indian Standards
- ISI Mark


 **REPUBLIC OF KOREA**
English


- Find Korean Standards
- Conformity Marks Used in Korea


INTERNATIONAL TRADE RESOURCES


 **CHINA ROUNDTABLE**


 **U.S.-INDIA SSCP**


 **INTERNATIONAL CALENDAR**


 **TRANSLATION BULLETIN BOARD**


 **ANSI INTERNATIONAL ACTIVITIES**

 **ANSI INTERNATIONAL POLICY PAPERS**


 **SPEAKERS' PACKAGE**

 **U.S. VISA INFORMATION**


 **ANSI CHINA PROGRAM**

 **ALL INTERNATIONAL TRADE RESOURCES**

Getting Involved in U.S.-Based SDOs (2)

www.StandardsPortal.org a resource for global trade 

Standards Portal Home
标准信息平台首页

 **U.S. Information**

Standards Developing Organizations (SDOs)


Trade Associations

Conformity Assessment Bodies (CABs)

U.S. Standards Strategy

U.S. Conformity Assessment Principles


Search for Standards (NSSN)

Ads by Google 

[Online Mech. Engineering](#)
Find & Compare Online Engineering Degrees.
Request Free Info.
www.eLearners.com/MechEng

BACKGROUND KEY INFORMATION **RESOURCES**

Resources: Standards Developing Organizations (SDOs)

 This Directory provides information on a wide variety of Standards Developing Organizations (SDOs) that play a role in the U.S. system, including contact information, the scope of standards development work, and their international activities by geographic region. Information in this SDO Directory can be searched by:

- SDO Name
- ICS Code (What's this?)
- Industry Sector

Learn more about the directory

View by SDO Name View by ICS View by Industry Sector

Acronym	Organization name	Keywords
AATCC	The American Association of Textile Chemists and Colorists	Textiles, textile coloration, design, dyeing, finishing, merchandising, test methods, training, quality control
AF&PA	The American Forest & Paper Association	Wood, structural design, construction, residential, commercial, engineered wood products, structural panels, framing, green building
AHRI	Air-Conditioning, Heating, and Refrigeration Institute	Air-conditioning, refrigeration, heating, ventilation, controls, boilers, furnaces
AIHA	American Industrial Hygiene Association	Occupational health and safety, management systems, respiratory protection, ventilation systems, worker safety, industrial hygiene.

Getting Involved in U.S.-Based SDOs (3)

www.StandardsPortal.org
ANSI
American National Standards Institute

标准信息平台首页
Standards Portal Home

美国信息

标准制定机构

行业协会

美国标准策略

标准搜索引擎 (NSSN)

KAYAK

Las Vegas, NV

Check-in

Check-out

背景
主要信息
▶ 资源

标准制定组织 (SDOs)

该目录提供在美国标准体系中具有不同作用的各种标准制定组织 (SDOs) 的信息, 包括联系信息、标准的范围和他们在按地理区域进行的国际活动。该 SDO 目录中的信息可按如下进行检索:

- 行业领域
- SDO 名称
- ICS 分类号

[点击此处, 了解更多此目录的内容](#)

行业分类
标准制定组织 (SDOs) 名称
国标分类号

贸易协会	组织名称	关键词
AATCC	美国纺织化学家和染色家学会	
AF&PA	美国林业及纸业协会	木材, 结构设计, 建筑, 民居, 商用, 复合木制品, 结构板, 构架, 绿色建筑
AHRI	美国空调、采暖和制冷学会	空调, 制冷, 采暖, 通风, 控制器, 锅炉, 燃炉
AMT	美国制造技术协会	机械工具, 机器, 金属切割, 金属成型, 机械, 风险评估, 精益生产及安全, 制造,

Getting Involved in U.S.-Based SDOs (4)

www.StandardsPortal.org a resource for global trade

ANSI American National Standards Institute

Standards Portal Home
표준포털 홈페이지

미국 정보

표준개발기구
무역협회
미국내 적합성평가 기관
미국 표준전략
표준검색 (NSSN)

배경 핵심 정보 ▶ 자료실

리소스 : 표준개발기구 (SDOs)

이 디렉토리는 미국 시스템에서 활동하는 표준개발조직(SDOs)의 연락처 정보, 표준개발작업의 범위, 지역에 따른 국제적인 활동 등 표준개발기구에 대한 다양한 정보를 제공한다. 표준개발조직(SDO) 디렉토리안에 있는 정보는 아래에 따라 정보를 검색할 수 있다:

- SDO 이름
- ICS 코드
- 산업 분야

이 디렉토리에 대하여 더 자세히 알아보기.

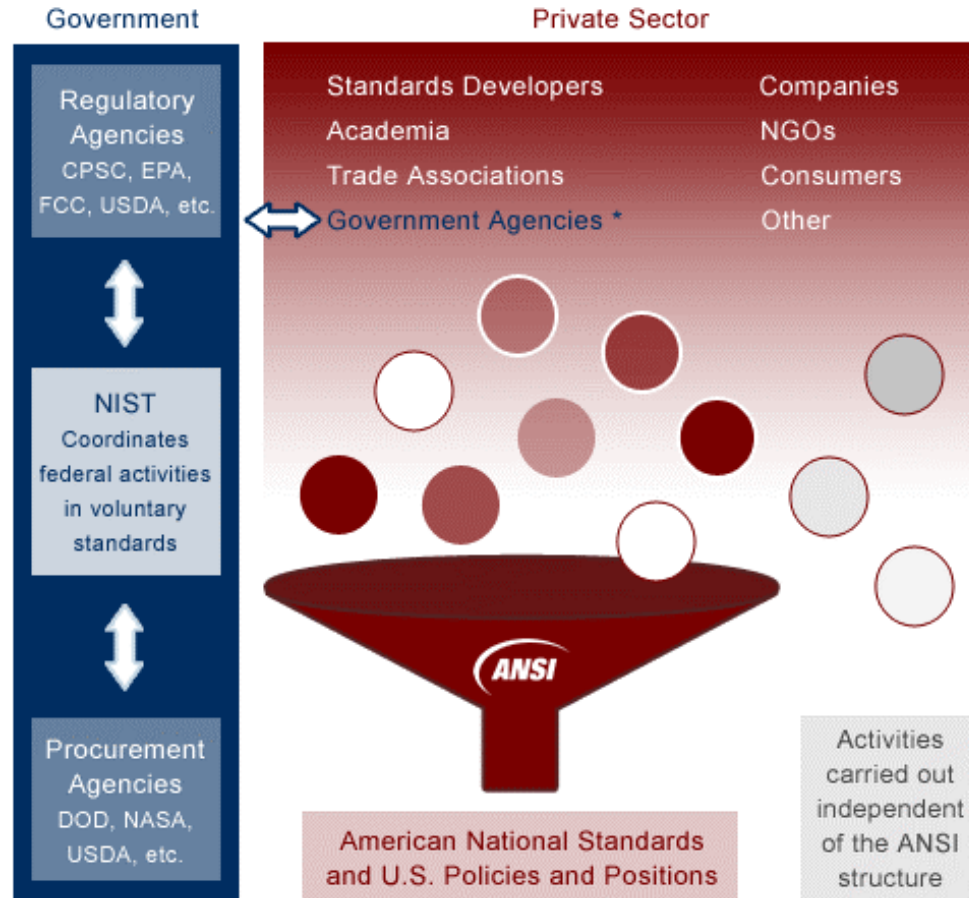
View by SDO Name View by ICS View by Industry Sector

검색

U.S. Standards System: organizational roles

	ANSI	SDOs	Companies	Consumers	Regulators/ Government Procurement	NIST
Coordinates U.S. system and policy development	✓					
Independently runs standards development activities		✓				
Coordinates and monitors USG use of and participation in VCS activities						✓
Legal metrology and WTO-TBT enquiry point.						✓
Provides technical input for standards development			✓	✓	✓	✓
Participates in U.S. policy development		✓	✓	✓	✓	✓

U.S. Standards System: policy development



* Government agencies are members of ANSI and of SDOs. Agencies participate directly in voluntary standards development and policy setting and use voluntary standards when it supports their missions.

U.S. Conformity Assessment System

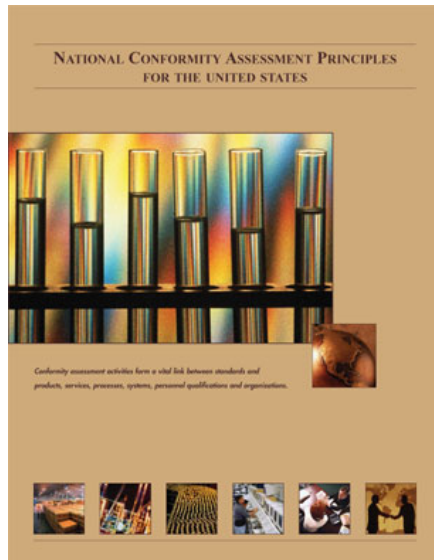
- Standards are just good ideas unless products, processes, systems and personnel conform to them.
- The U.S. conformity assessment system, much like the standards system, evolved in decentralized manner.
 - Conformity assessment activities are not centrally organized
 - Approaches vary among sectors



U.S. CA System: guiding principles

Reliable - Flexible - Responsive

- The National Conformity Assessment Principles (NCAP) for the United States document explains key aspects of compliance verification.

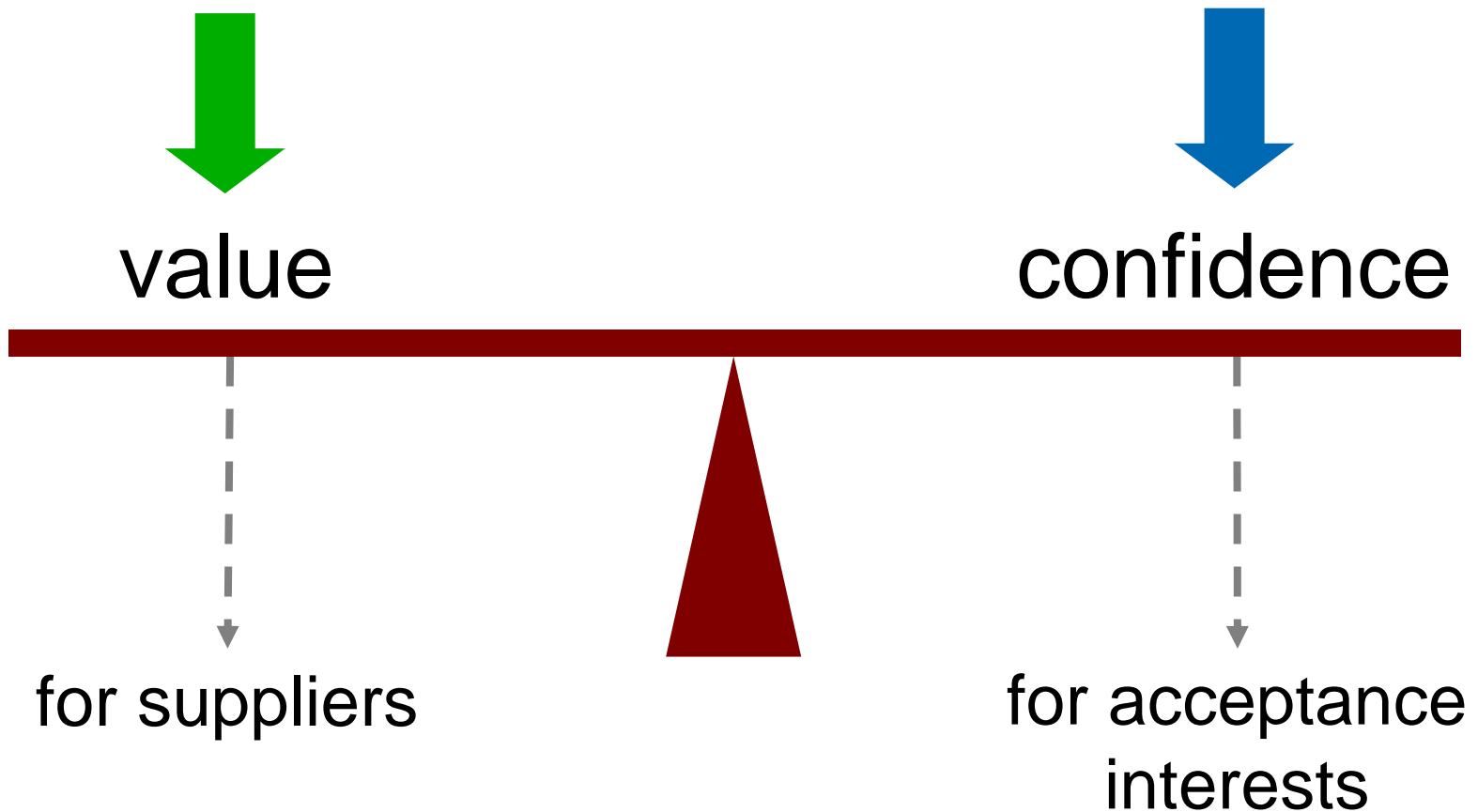


The NCAP recognize various CA approaches, including 3rd party, 2nd party and Suppliers' Declaration of Conformance (SDoC)

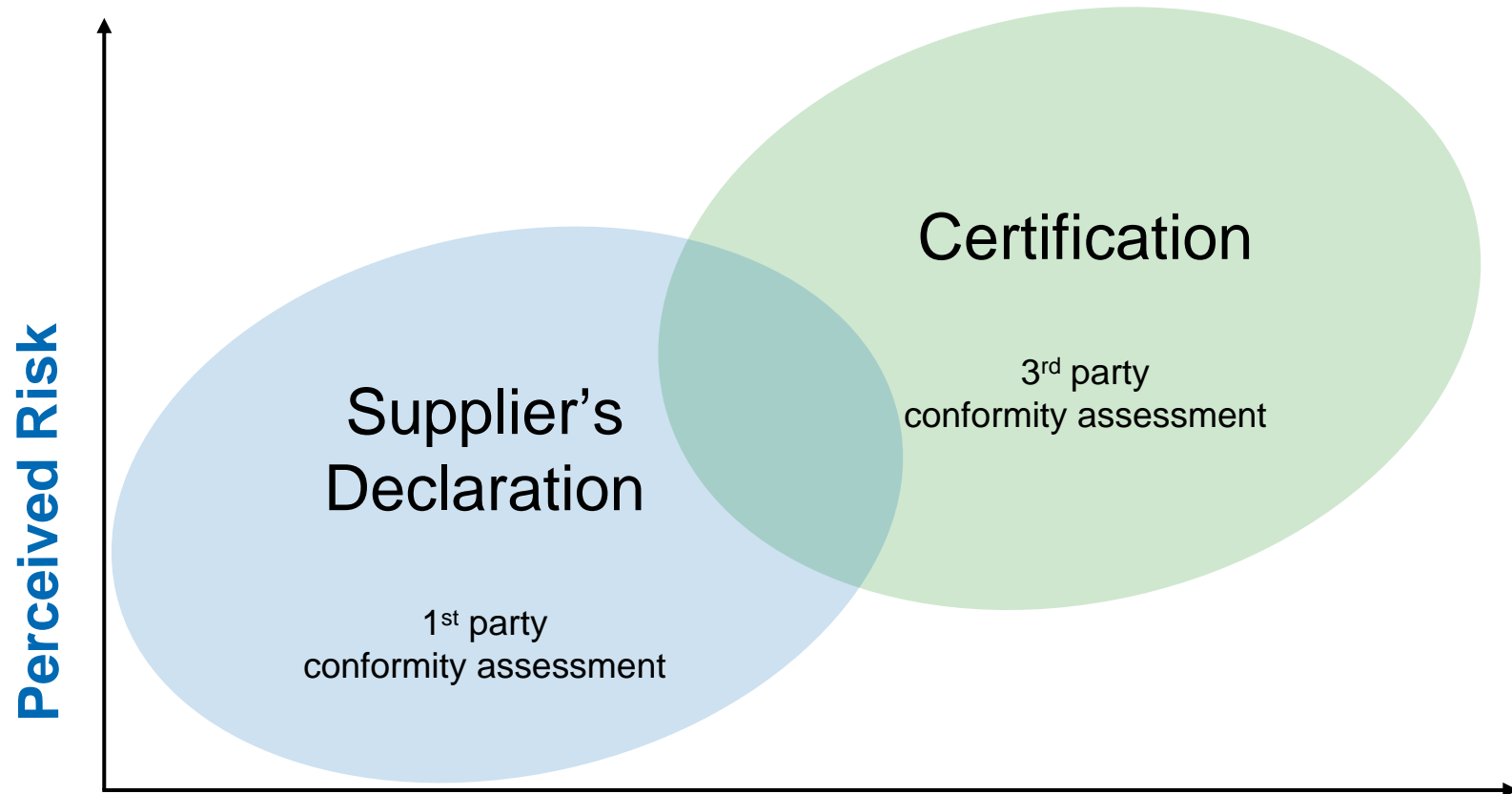
*National Conformity Assessment Principles
for the United States*

www.ansi.org/ncap

The Conformity Assessment Balance

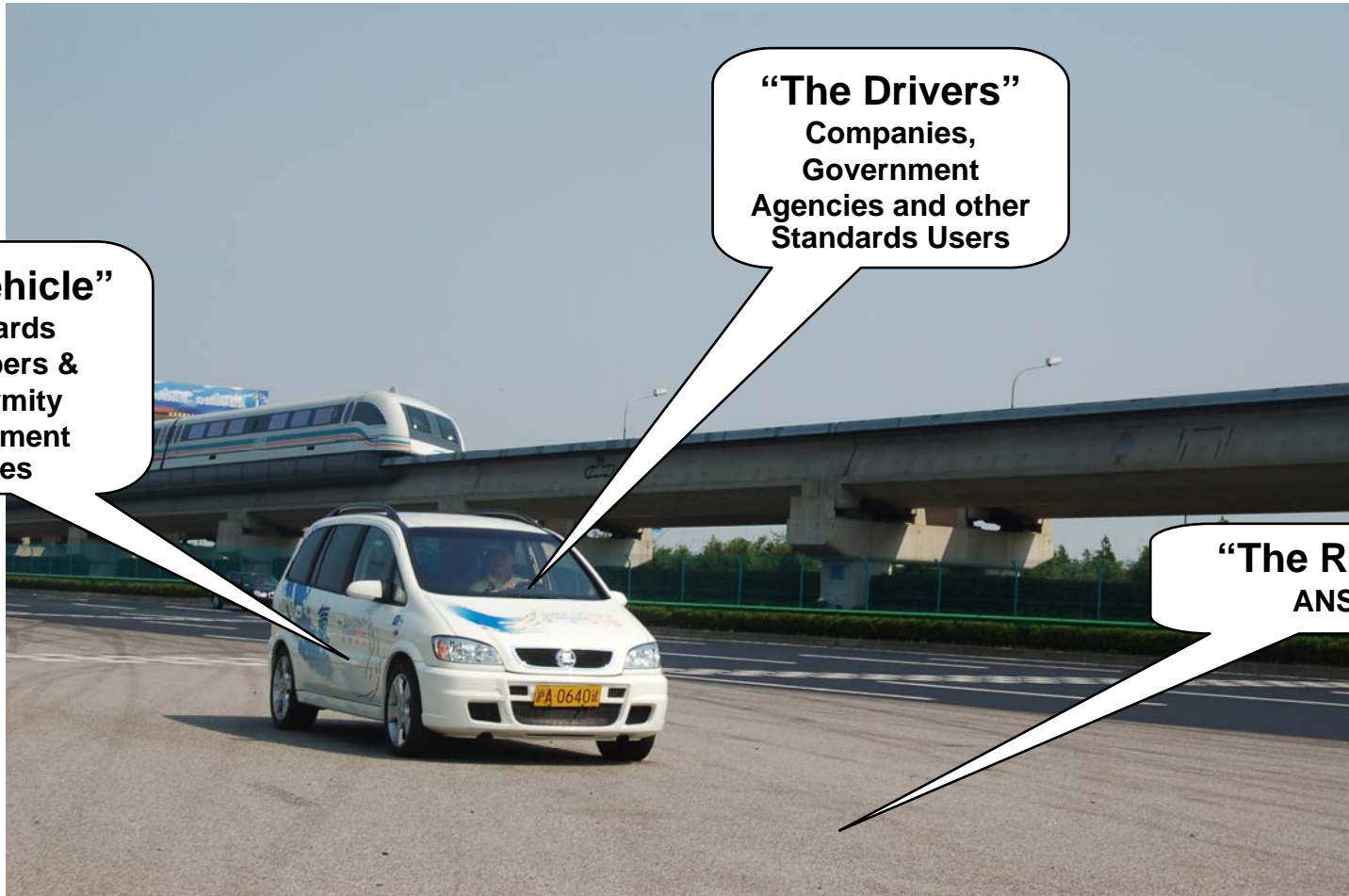


Conformity Assessment and Risk



Independence and Rigor of Conformity Assessment

Summary of the U.S. System



“The Vehicle”

Standards
Developers &
Conformity
Assessment
Bodies

“The Drivers”

Companies,
Government
Agencies and other
Standards Users

“The Road”

ANSI

ANSI International Development Activities

Why StandardsPortal?

- Problem:
 - No central resource to help companies find the standards, conformity assessment and technical regulations needed to enter and compete in target markets.
- Solution:
 - StandardsPortal answers key questions exporters face when attempting to enter their target markets

The International Language of commerce is standards.

www.StandardsPortal.org provides answers to the critical standards, conformance, market access, and trade-related questions that companies require to succeed in the U.S. and internationally.

Follow the links below to access information on your markets of interest.



EXPORT MARKETS



UNITED STATES OF AMERICA

English 中文简体 대한민국

- Find Standards
- Find Standards Developing Organizations
- Find Conformity Assessment Bodies



PEOPLE'S REPUBLIC OF CHINA

English 中文简体

- Find GB Standards
- Purchase GB Standards
- SAC Pages



REPUBLIC OF INDIA

English

- Find Indian Standards
- ISI Mark



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Trade Associations

Conformity Assessment Bodies (CABs)

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Search for Standards (NSSN)

Search

BACKGROUND

▶ KEY INFORMATION

RESOURCES

U.S. Standards System ▶

Standards used in U.S. ▶

U.S. Conformity Assessment System ▶

Key Organizations ▶

ANSI (Private Sector)



"The International

- Donald L. Evans, F...

Standards, technical competitiveness – both at home and in the global market

Government use of Standards

SDOs (Private Sector)

U.S. Standards Strategy

U.S. Industry (Private Sector)

FAQ - U.S. Standards System

Consumers (Private Sector)

NIST (Government)

U.S. Regulators (Government)

U.S. Government Procurement Agencies (Government)

The following pages focus on the U.S. market and will ask questions:

- What technical requirements must my product meet to enter and compete in the U.S. market?
- How can I get early warning about changes to these requirements?
- How can I ensure that my company's perspectives are heard and considered in the development of U.S. requirements and policies that could affect my business?

1. From *Standards & Competitiveness: Coordinating for Results* (2004)

In addition to the market access and market acceptance requirements discussed above, companies may also need to be aware of other requirements before attempting to place products

Manufacturer Member Roundtable in China

- Forum for manufacturing companies to exchange information on key issues in China across industry sectors
- Areas of Focus: CCC Mark, China RoHS, Energy Efficiency, China's Standards Strategy, Special Equipment Regulations, etc.
- Monthly meetings held in Mandarin Chinese; alternate between Beijing and Shanghai
- Provides front-line perspectives and “Early Warning” to all ANSI full members

The International Language of commerce is standards.

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EXPORT MARKETS



UNITED STATES OF AMERICA

English 中文简体 大韓民國

- Find Standards
- Find Standards Developing Organizations
- Find Conformity Assessment Bodies



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ANSI Manufacturer Member Roundtable in **China**

The **ANSI Manufacturer Member Roundtable in China** provides a forum for manufacturing companies to discuss challenges and strategies, exchange information across industry sectors, and provide perspectives on issues that affect their ability to do business in China, including:

- China Compulsory Certification (CCC) regulations
- Dealing with China's Restriction of Hazardous Substances (RoHS)
- China's new energy efficiency requirements
- Chinese special equipment regulations
- China's proposed Information Security certification requirements
- Participation in Chinese standards development
- And other priority issues for companies doing business in China

Monthly meetings of the Roundtable are conducted primarily in Mandarin Chinese, alternate between Beijing and Shanghai, and frequently feature briefings from PRC government officials and other top experts. Participation in these meetings is a benefit for ANSI full company members that manufacture or sell physical products in China.

The Roundtable also serves the broader ANSI membership by providing front-line insights and early warning on developments in China related to standards and conformance. While not a policy committee itself, the Roundtable informs ANSI's policy committees with front-line perspectives on top issues in China.

Monthly reports from the ANSI Manufacturer Member Roundtable in China are made available as a benefit to all ANSI full members.

Learn more at www.standardsportal.org.

FOR MORE INFORMATION

Ms. Elise Owen
ANSI Representative for China Affairs
American National Standards Institute
1819 L Street NW, 6th Floor
Washington, DC 20036
+1.202.331.3624
eowen@ansi.org



International Guest Researcher Program (IGRP)

- Through IGRP, ANSI hosts international government officials and leaders with the aim of fostering mutual understanding and cooperation
- Recent Participants:
 - Ms. Xu Dongmei, China Electronics Standardization Institute (CESI)
 - Dr. Li Aixian (Ashley), China National Institute for Standardization (CNIS)
 - Dr. Wiro Lee and Dr. Sangme Han, Korea Agency for Technology and Standards (KATS)

U.S.–India Standards and Conformance Cooperation Program (SCCP)

Key Organizations

- Funding Agency –U.S. Trade and Development Agency (www.ustda.gov)
- Grantee –Confederation of Indian Industry (www.ciionline.org)
- Contractor –American National Standards Institute (www.ansi.org)
- An SCCP Advisory Panel will provide recommendations as to the direction of the program and will be comprised of individuals from U.S. government and private sector organizations

U.S.–India Standards and Conformance Cooperation Program (SCCP)

Program Components

- Expand StandardsPortal to include information on India
- Create additional U.S. information on StandardsPortal
- Create Directories on the standards, conformity assessment, and technical regulations used by U.S. industry for at least five (5) industry sectors
- Provide matching funding and support for at least five (5) sectoral workshops on China
 - Proposed Sectors: Fire Protection, Aerospace, Biometrics, Agricultural Equipment, Safe Storage of LNG, PV Technologies

The International Language of commerce is standards.

www.StandardsPortal.org provides answers to the critical standards, conformance, market access, and trade-related questions that companies require to succeed in the U.S. and internationally.

Follow the links below to access information on your markets of interest.



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UNITED STATES OF AMERICA

English 中文简体 대한민국

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ANSI CHINA PROGRAM



ALL INTERNATIONAL TRADE RESOURCES



U.S.-INDIA STANDARDS AND CONFORMANCE COOPERATION PROGRAM



The U.S.-India Standards and Conformance Cooperation Program (SCCP) is a comprehensive program designed to help companies and increase Indo-U.S. trade by boosting cooperation on standards and conformance issues.

Sponsored by the U.S. Trade Development Agency (USTDA) and coordinated by the American National Standards Institute (ANSI) and the Confederation of Indian Industry (CII), the program will help continue the recent increase in Indo-U.S. trade and facilitate technical dialogue between targeted industry sectors. The program will be carried out in close cooperation with the Bureau of Indian Standards (BIS).

The U.S.-India SCCP will include three main components:

- Development of a U.S. Standards Directory which will include information on standards, conformance procedures, technical regulations, and trade capacity building initiatives for five key sectors
- Standards and Conformance Workshops sponsored and co-organized by U.S. private-sector organizations and designed to provide targeted technical exchange between small groups of industry stakeholders to address specific issues related to standards and conformance
- Expansion of StandardsPortal (www.standardsportal.org) to include new features such as expanded information on the standards and conformance systems in India, a guide to U.S. best practices, a directory of conformance bodies in the U.S., and a directory of U.S. regulatory agencies

To learn more about the U.S.-India SCCP or to express interest in sponsoring or participating in a workshop, please visit www.standardsportal.org/us-indiasccp.



FOR MORE INFORMATION

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Program Administrator
American National Standards Institute
1819 L St NW - Sixth Floor
Washington, DC 20036

T: 202-331-3626
F: 202-293-9287
E: lmcdermot@ansi.org

www.standardsportal.org/us-indiasccp

Overview of U.S. Best Practices for Standards and Conformance

Overview of Key “Best Practices”

In the U.S., these key “best practices” help strengthen protection of environment, health and safety (EHS) while facilitating trade and economic development:

- Transparency
- Use of Voluntary Consensus Standards in Regulations
- Use of Private Sector Conformity Assessment to Verify Compliance with Regulations
- Non-Regulatory Approaches for the Protection of Environment, Health and Safety (EHS)

Transparency

Benefits

- Leverages input from all stakeholders (government, companies, consumers, etc.) so that the best and most effective solutions are leveraged
- Allows “early warning” to companies, allowing them to better integrate new requirements into their business cycles

Transparency (2)

Mechanisms used in the U.S.

- WTO Notifications for Technical Regulations
- Public consultation and feedback for national standards and regulations
- National Gazette for regulatory updates (i.e. “Federal Register”)
- Publication of Regulatory Agenda (i.e. “Unified Agenda”)
- Centralized listings of regulations, national standards and other information (i.e. “Code of Federal Regulations”; “NSSN”; etc.)

Use of Voluntary Consensus Standards in Regulations

Benefits

- Can reduce costs for regulators
- Encourages market-relevant regulations
- Facilitates regulatory harmonization when international standards are referenced

Use of Voluntary Consensus Standards in Regulations (2)

Mechanisms used in the U.S.

- U.S. law and policies call federal regulatory agencies to:
 - Use technical standards developed or adopted by voluntary consensus standards bodies for regulation or procurement if they are available
 - consult with, and participate in private sector standards developing activities of voluntary, private sector, consensus standards bodies
 - Annually report any use of government-unique standards and provide an explanation to Congress with the reasons for doing so.

Use of Private Sector Conformity Assessment to Verify Compliance with Regulations

Benefits

- Can reduce costs for regulators
- Can reduce testing, certification and inspection costs for industry
- Can reduce unnecessary delays to market and add predictability to the business cycle

Use of Private Sector Conformity Assessment to Verify Compliance with Regulations (2)

Mechanisms used in the U.S.

- U.S. law encourages government agencies to coordinate their conformity assessment activities with the private sector to eliminate unnecessary duplication and complexity
- Individual federal agencies have autonomy to choose how to work with the private sector

Non-Regulatory Approaches for the Protection of Environment, Health and Safety (EHS)

Benefits

- Where appropriate, non-regulatory approaches can create flexibility for government agencies and companies to find new and creative solutions for addressing EHS
- Can create “EHS Protection Culture” rather than focus on meeting minimum requirements

Non-Regulatory Approaches for the Protection of Environment, Health and Safety (2)

Mechanisms

- Requirements that risk assessment and impact analysis be conducted prior to regulation
- Incentive programs organized by regulators
- Reliance on private sector standards and other programs where they adequately address risk

Questions or Comments?

For more information:



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25 West 43rd Street
Fourth Floor
New York, NY 10036

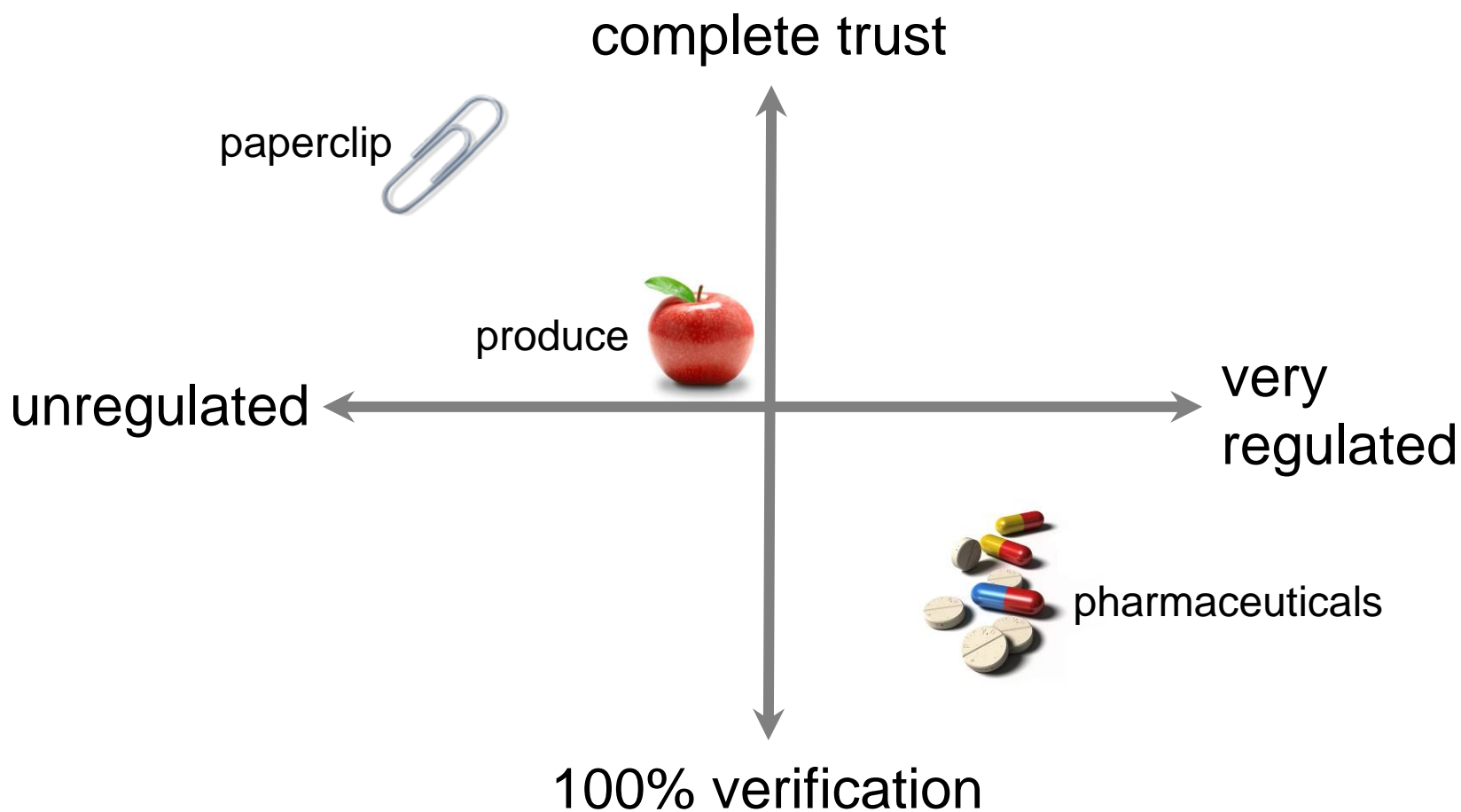
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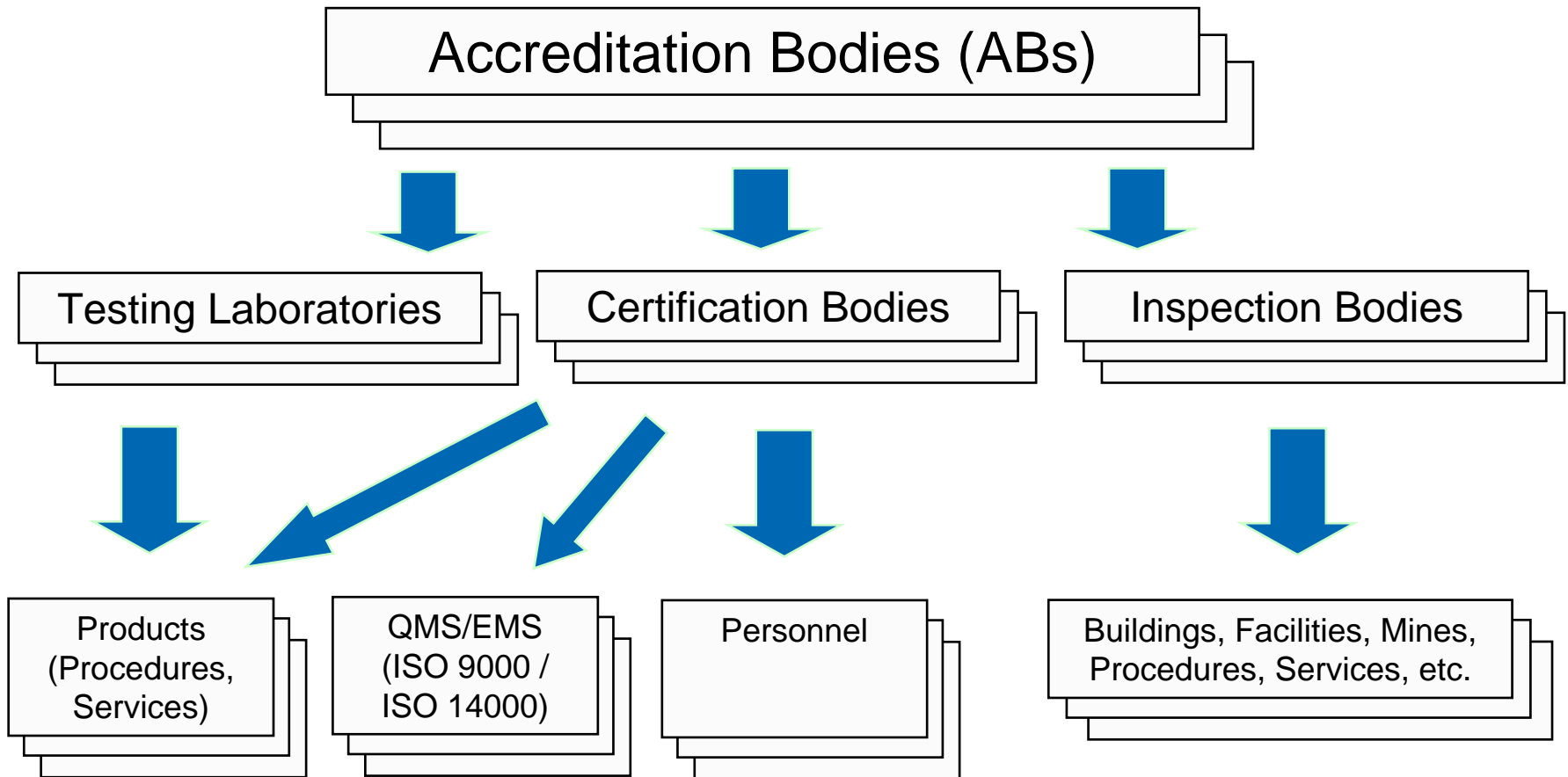
www.ansi.org | webstore.ansi.org | www.nssn.org
www.standardsportal.org

Additional Slides on Conformity Assessment

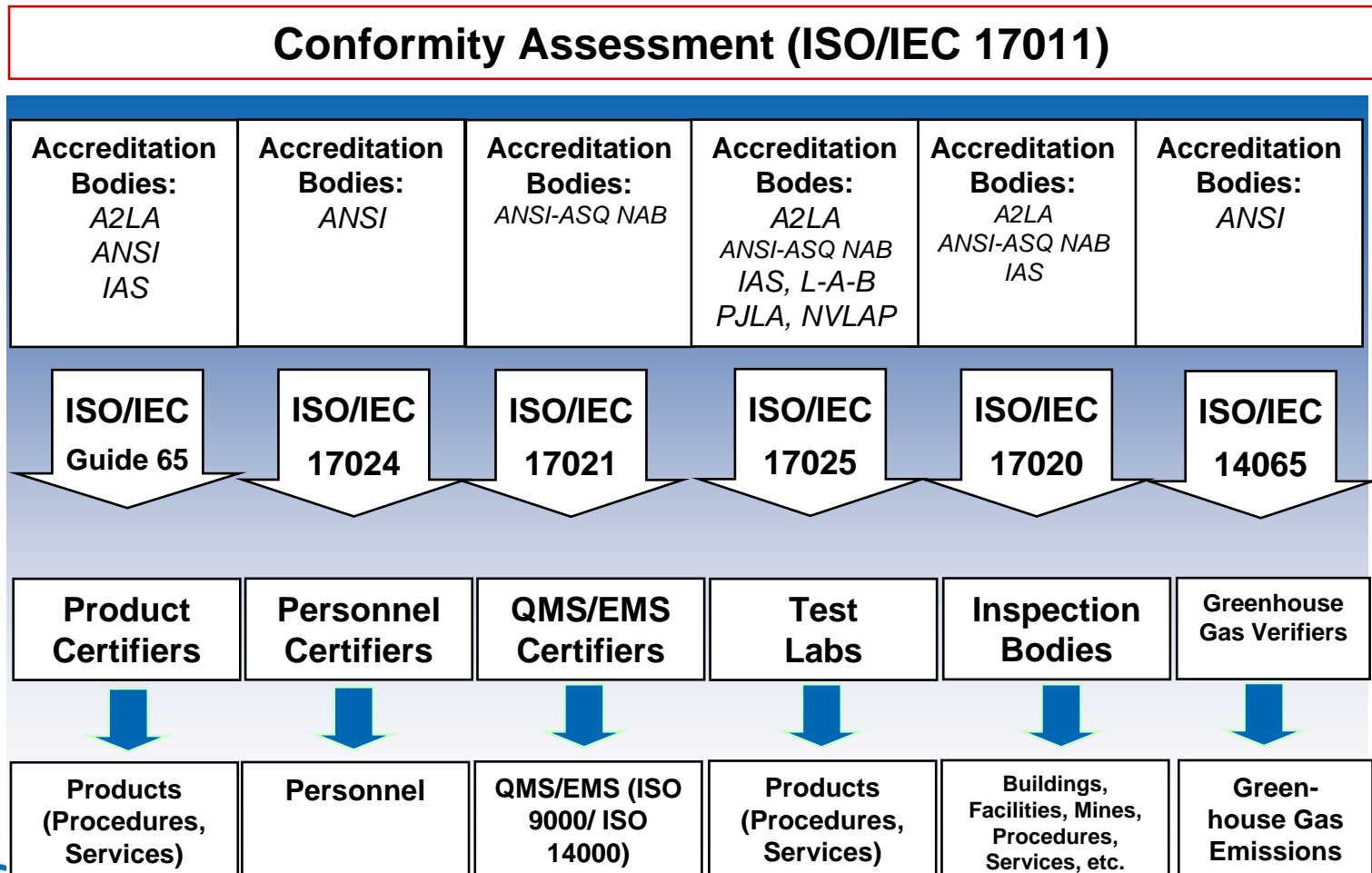
Confidence/Regulation Spectrum



3rd Party Conformity Assessment System Structure



Examples of Accreditation Programs in the United States



International Recognition is Essential



Additional Slides on U.S. Resources

Where can I find American National Standards?

- To search by **key word**:
 - Go to www.nssn.org
 - Click on **Find Title, Abstract or Keyword**
 - Type the keyword (i.e. “construction materials and building”) in the search box
 - Select **Go Find It**



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FIND TITLE, ABSTRACT OR KEYWORD

FIND DOCUMENT NUMBER

Where can I find American National Standards?

- To search by **Document Number**:
 - Go to www.nssn.org
 - Click on **Find Document Number**
 - Type the document number (e.g. “ASTM 963” or just “963”) in the search box



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FIND TITLE, ABSTRACT OR KEYWORD

FIND DOCUMENT NUMBER

Where can I find ANSI accredited SDOs and scopes?

- Search ANSI Accredited Programs:
 - Go to http://www.ansi.org/about_ansi/accredited_programs/overview.aspx?menuid=1
 - Click **ANSI-Accredited Standard Developers**



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Constitution and By-Laws

Annual Report

ANSI Accredited Programs

Product Certification

ANSI Accredited Programs

Procedure by which an authoritative body gives formal recognition that a body or person is competent to carry out specific tasks (As defined in ISO/IEC Guide 2:1996)

One of ANSI's important functions is accreditation. ANSI accredits standards developers, certification bodies and technical advisory groups (TAGs) to both the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC).

ACCREDITED STANDARDIZATION ACTIVITIES

ANSI-Accredited Standard Developers

A list of standardization bodies accredited by ANSI to develop, maintain and withdraw American National Standards.

U.S. Technical Advisory Groups (TAGs) to ISO Technical Committees



Where can I find ANSI accredited SDOs and scopes?



Accredited Standards Developers

Developer Name: 3-A Sanitary Standards, Inc.

Acronym: 3-A

Committee Title: N/A

Secretariat: N/A

Contact: Timothy Rugh

Title: CAE, Executive Director

Address: 1451 Dolley Madison Boulevard Suite 210

McLean, VA 22101

Phone: (703) 790-0295

Fax: (703) 761-4334

E-Mail: trugh@3-a.org

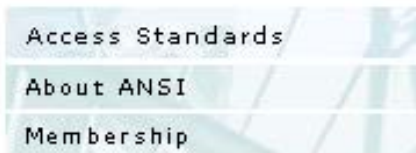
WWW URL: <http://www.3-a.org/>

Scope: 3-A Sanitary Standards, Inc. seeks to formulate voluntary consensus sanitary standards and accepted practices for equipment and systems used to produce, process, and package food, beverages and pharmaceutical products.

Over a history of more than 80 years, the list of 3-A Standards has grown to nearly 70 individual standards for products, components and systems and nine Accepted Practices

Where can I find information for commenting on proposed U.S. voluntary standards?

- Search ANSI Standards Action:
 - Go to <http://www.ansi.org/publicreview>
 - Click on **Standards Action**



Standards Activities

Overview

International Policy Papers and Charts

U.S. Standards Strategy

Public Review and Comment

Standards Action

ANSI Procedural Revisions

Accreditation Actions

Domestic Programs
(American National



Public Review and Comment

Openness is a very important feature of the U.S. voluntary standardization system. To help ensure such openness, ANSI procedures require a public review and comment period for American National Standards activities, changes to ANSI's own procedural documents, and for any procedures submitted for accreditation or reaccreditation by a standards developer or U.S. Technical Advisory Group (TAG) to ISO.

Standards Action is the Institute's key public review vehicle. Published weekly, it provides members and the public with timely, accurate information and enables effective participation in the standards development process - both in this country and internationally.



Where can I find information for commenting on proposed U.S. voluntary standards?

- To view the current publication schedule, click on **View Current Standards Action publication schedule**.
- To view current calls for comment, click on **Current Standards Action issues**



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Standards Action is the Institute's key public review vehicle. Published weekly, it provides members and the public with timely, accurate information and enables effective participation in the standards development process - both in this country and internationally.

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Where can I find notification of proposed U.S. regulations ?

- Search the Federal Register by **keyword**:
 - Go to <http://www.gpoaccess.gov/fr/index.html>
 - Type the keyword (i.e. “construction materials and building”) in the search box
 - Select **Submit**



The Federal Register (FR): Main Page

Published by the Office of the Federal Register, National Archives and Records Administration (NARA), the Federal Register is the official daily publication for rules, proposed rules, and notices of Federal agencies and organizations, as well as executive orders and other presidential documents. [More.](#)

2008 (Volume 73) Only

- Quick Search: (ex: "page 12345", "40 CFR part 55", "environmental protection agency" AND superfund)

[\[Search Tips \]](#)

Where can I find notification of proposed U.S. regulations ?

- Search the Federal Register by **regulatory agency**:
 - Go to <http://www.gpoaccess.gov/fr/index.html>
 - Type the agency name (i.e. “Environmental Protection Agency”) in the search box
 - Select **Submit**



DATABASE FEATURES

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Published by the Office of the Federal Register, National Archives and Records Administration (NARA), the Federal Register is the official daily publication for rules, proposed rules, and notices of Federal agencies and organizations, as well as executive orders and other presidential documents.

[More.](#)

2008 (Volume 73) Only

- Quick Search: (ex: "page 12345", "40 CFR part 55", "environmental protection agency" AND superfund)

[[Search Tips](#)]

Where can I find notification of proposed U.S. regulations ?

■ Search the Federal Register by **CFR Part Number**:

- Go to <http://www.gpoaccess.gov/fr/index.html>
- Type the CFR Part Number (i.e. “21 CFR Part 33”) in the search box
- Select **Submit**



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2008 (Volume 73) Only

- Quick Search: (ex: "page 12345", "40 CFR part 55", "environmental protection agency" AND superfund)

[[Search Tips](#)]

- [Advanced Search](#): Search by fields, such as section (rules, proposed rules, notices, et cetera) and issue date.
- Browse the Table of Contents from today's issue in [HTML](#) or [PDF](#) formats.

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Where can I find responses to comments on proposed U.S. regulations?

- Search www.regulations.gov by **keyword**:
 - Enter a keyword (i.e. “construction materials and buildings” in the text box under **Search** or **Comment or Submission**.
 - Click **Go**.



What Is on This Site	SEARCH Search all documents by entering a keyword, phrase, identification number, or other term. <input type="text" value="construction materials and buildings"/> <input type="button" value="Go >>"/>	COMMENT OR SUBMISSION Enter a keyword, phrase, or other term to find documents accepting comments or to file a submission. <input type="text"/> <input type="button" value="Go >>"/>	MORE SEARCH OPTIONS Need more help finding what you're looking for? Click 'Go' for more search options. Go >> Looking for our old searches? Advanced Docket Search click here. Advanced Document Search click here.
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Links of Interest			

Where can I find responses to comments on proposed U.S. regulations?

- Results for the keyword search “Construction materials and buildings”:

April 01, 2008



Home Site Features Help

Search Again:

construction materia Go >>

You Searched: (click entry to remove)

Search Term(s): construction materials and buildings

Start Over

1 2 3 4 5 6 7 8 9 10 Next >>

1 to 10 (11,309 Documents found)

Sort By:

Best Match

Display Results:

10

Narrow Results

Click on Item to Add to Search List

Agency

-EPA	(6,190)
-USCG	(711)
-FAA	(273)
-FMCSA	(235)
-OSHA	(210)
-DOT	(198)
-FRA	(84)
-More...	

Document Type

-Supporting & Related Materials	(4,723)
-Rules	(1,988)
-Notices	(1,640)
-Public Submissions	(1,549)
-Proposed Rules	(960)
-Other	(449)

ATTACHMENT B: LETTER TO WILLIAM KLINE, UNITED STATES EPA, COMMITTING THE USE OF EAST PENN CONSTRUCTION PERSONNEL TO RETROFITTING THE EXISTING MATERIAL STORAGE BUILDING WITH SECONDARY CONTAINMENT AND LEAK DETECTION

Notification

Agency: EPA Document Type: SUPPORTING & RELATED MATERIALS Comments Due:
Docket ID: EPA-HQ-RCRA-1992-0019 Document ID: EPA-HQ-RCRA-1992-0019-0005

View this Document:

Thermal Standards

Notification

...new construction; such requirements are generally prescribed by adopted building and model energy codes. Construction materials and building techniques have improved tremendously during the last... ..

Agency: RUS Document Type: RULES Comments Due:
Docket ID: BUS-EPDCC-0001-0065

Where can I find responses to comments on proposed U.S. regulations?

- Search www.regulations.gov with other criteria:
 - Under the **More Search Options** tab, click **Go**.
- OR
- Under the **More Search Options**, select an **Advanced Docket or Document Search** and select **click here**.



What Is on This Site	SEARCH Search all documents by entering a keyword, phrase, identification number, or other term. <input type="text"/> Go >>	COMMENT OR SUBMISSION Enter a keyword, phrase, or other term to find documents accepting comments or to file a submission. <input type="text"/> Go >>	MORE SEARCH OPTIONS Need more help finding what you're looking for? Click 'Go' for more search options. Go >> Looking for our old searches? Advanced Docket Search click here . Advanced Document Search click here .
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Where can I find regulations in force in the U.S?

- Search the Code of Federal Regulations by **keyword**:
 - Go to <http://www.gpoaccess.gov/cfr/index.html>
 - Type the keyword (i.e. “construction materials and building”) in the search box
 - Select **Submit**



Code of Federal Regulations (CFR): Main Page

The Code of Federal Regulations (CFR) is the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the Federal Government. It is divided into 50 titles that represent broad areas subject to Federal regulation. Each volume of the CFR is updated once each calendar year and is issued on a quarterly basis. [More](#).



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- [Retrieve by CFR Citation](#)
- [Search Tips](#)

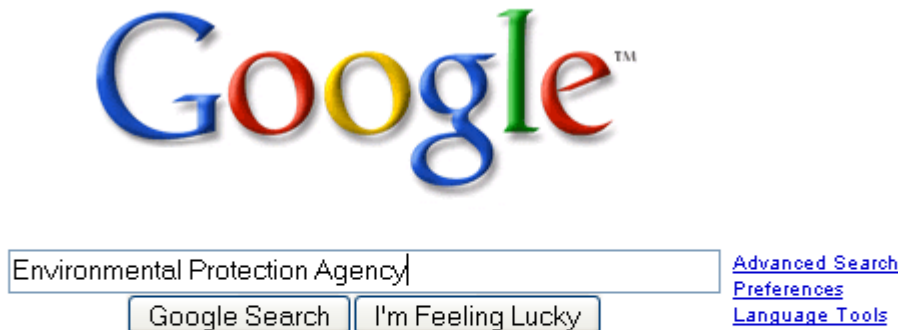
Most Current 50 Titles (2006-2007)

- Quick Search: (ex: title 20 part 404, prescriptions AND "drug enforcement administration")

[\[Search Tips \]](#)

Where can I find examples of regulator risk assessments?

- Regulator risk assessments can be found on the websites of individual regulatory agencies.
 - Search a search engine (e.g. Google) for the U.S. regulatory agency from which a risk assessment is required.



A Cool World: Enjoy a rosier future as a [Virgle Pioneer](#).

Where can I find examples of regulator risk assessments?

- Click on the relevant link. In this case, it is **U.S. Environmental Protection Agency**

[Advanced Search](#)
[Preferences](#)

Web [News](#)

Personalized Results **1 - 10** of about **14**,

[U.S. Environmental Protection Agency](#)

Current issues information (Sept. 11, anthrax), reports on 17 key **environmental** topics from air to water, kids page, laws/regulations and further official ...

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Where can I find examples of regulator risk assessments?

- Enter **risk assessment** in the search text box and click **Go**:



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Asbestos	Enforcement	Mercury	Radon	Superfund	Wetlands
Clean Air Act	Grants	Mold	Recycling	Test Methods	➔ More ...

Where can I find examples of regulator risk assessments?

- This search leads to the **EPS's Risk Assessment Portal**. Click on the link.

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Start here for *risk assessment*

- [Air](#) -> [Air Pollution Effects](#) -> [Risk Assessment](#)
- [Cleanup](#) -> [Superfund](#) -> [Risk Assessment](#)
- [Environmental Management](#) -> [Risk Assessment](#) -> ([Ecological Risk Assessment](#), [Hun](#)
- [Pesticides](#) -> [Pesticide Effects](#) -> [Risk Assessment](#)
- [Radiation And Radioactivity](#) -> [Radiation Effects](#) -> [Risk Assessment](#)
- [Radiation And Radioactivity](#) -> [Radiation Protection](#) -> [Risk Assessment](#)
- [Research](#) -> [Risk Assessment](#)
- [Treatment/Control](#) -> [Waste Treatment](#) -> [Risk Assessment](#)
- [Wastes](#) -> [Risk Assessment](#)
- [Wastes](#) -> [Waste Treatment](#) -> [Risk Assessment](#)

Results 1 - 10 of 143,312 for *risk assessment*. This query was conducted again

[1] [EPA's Risk Assessment Portal](#)

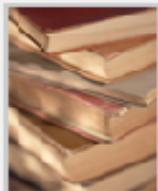
This site provides basic information about environmental **risk assessments** for the public.

<http://www.epa.gov/risk> (HTML)

Where can I find examples of regulator risk assessments?

- This portal provides information on risk assessments and draft and final EPA risk assessments.
- **Remember:** when in doubt, your national TBT Enquiry Point can request risk assessments from U.S. regulators through the U.S. enquiry point.

What's new in risk assessment



Draft Guidance & Tools Available for Public Comment and/or Peer Review

- 03/08: [Toxicological Review of Propionaldehyde \(IRIS External Review Draft\)](#)
- 03/08: [Toxicological Review of 2-Hexanone \(IRIS External Review Draft\)](#)
- 02/08: [Framework for Determining a Mutagenic Mode of Action for Carcinogenicity](#)
- 01/08: [Draft FY2009 Brownfields Assessment Grant Guidelines \(PDF\)](#)
(82 pp, 337K, [about PDF](#))

Final Guidance & Tools

- 01/08: [Methods/Indicators for Determining when Metals are the Cause of Biological Impairments of Rivers and Streams](#)
- 02/08: [Older adult physiological parameters database](#)
- 10/07: [Benchmark Dose Software \(BMDS\)](#)
- 03/07: [Framework for Metals Risk Assessment](#)

[More tools & guidance](#)

Where can I find information about standards referenced in technical regulations?

- Search www.standards.gov for information on:
 - The National Technology Transfer and Advancement Act (NTTAA)
 - The OMB Circular A-119
 - How voluntary standards are used in regulations
 - Standards Incorporated in Laws, Policies, and Regulations (SIBR Database)
 - Proposed and Adopted State Legislation

Where can I find Standards referenced in regulations and in procurement?

- Search the SIBR Database on www.standards.gov :
 - In the left hand column, under **SIBR Search**, select a **Quick Link** or search by **keyword**.

SIBR Search
Regulatory
Quick Links
All Procurement
P-SIBR Statistics
All Regulatory
R-SIBR Statistics
Tue Apr 01, 2008

Standards Incorporated by Reference (SIBR) Database Home Page

The **Standards Incorporated by Reference (SIBR) Database** includes the voluntary consensus standards, government unique standards, private industry standards, and international standards referenced in the Code of Federal Regulations (CFR) and those used by U.S. Federal Government Agencies in their procurement activities.

The Code of Federal Regulations (CFR) is the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the Federal Government. It is divided into 50 titles that represent broad areas subject to Federal regulation. Each volume of the CFR is updated once each calendar year and is issued on a quarterly basis. More data on the CFR can be found at the [GPO Access Home Page](#).

In this database, Regulatory Standards Incorporated by Reference are sometimes referred to as R-SIBR and Procurement Standards Incorporated by Reference as P-SIBR.

This database is continually being updated as the CFR changes, procurement policy, requirements, and standards change, and new standards are incorporated. If you find any errors, omissions, or want a new standard to be considered, then please notify the SIBR Administrator at sibr@nist.gov using the [Contact Us](#) link.

To begin using the SIBR Database select a Quick Link, either one of the Procurement, Regulatory, or Help tabs, or Click this [Procurement Link](#), [Regulatory Link](#), or [Help Link](#).

Where can I find Standards referenced in regulations and in procurement?

- To search by keyword:
 - select **Regulatory** or **Procurement** from the dropdown list
 - Enter a keyword (i.e. “Construction materials and building” in the search box.
 - Click **Go**.

SIBR Search
Procurement
construction materials

Quick Links

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- [P-SIBR Statistics](#)
- All Regulatory
- [R-SIBR Statistics](#)

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Standards Incorporated by Reference (SIBR) Database Home Page

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To begin using the SIBR Database select a Quick Link, either one of the Procurement, Regulatory, or Help tabs, or Click this [Procurement Link](#), [Regulatory Link](#), or [Help Link](#).

Additional Slides on ANSI Essential Requirements

What are the ANSI Essential Requirements?

- **Balance:** The standards development process should have a balance of interests. Participants from diverse interest categories shall be sought with the objective of achieving balance.
- **Consensus:** Substantial agreement (more than a simple majority, but not necessarily unanimity) has been reached by directly and materially affected interest categories. Consensus requires that all views and objections be considered, and that an effort be made toward their resolution.
- **Due Process:** Any person (organization, company, government agency, individual, etc.) with a direct and material interest has a right to participate by: a) expressing a position and its basis, b) having that position considered, and c) having the right to appeal.

What are the ANSI Essential Requirements?

- **Openness/Transparency:** Participation shall be open to all persons who are directly and materially affected by the activity in question. Records and processes shall be open and publicly available.
- **Lack of dominance:** The standards development process shall not be dominated by any single interest category, individual or organization.
- **Coordination and harmonization:** Good faith efforts shall be made to resolve potential conflicts between and among existing American National Standards and candidate American National Standards.
- **Notification of standards development:** Notification of standards activity shall be announced in suitable media as appropriate to demonstrate an opportunity for participation by all directly and materially affected persons.

What are the ANSI Essential Requirements Used For?

ANSI Essential Requirements are used to:

- Distinguish American National Standards (ANS)
- Accredit the standards development processes of SDOs

How is Compliance Evaluated?

- The ANSI Board of Standards Review (BSR) approves standards as American National Standards (ANS).
- The ANSI BSR approval of a standard as an ANS is based on evidence of *procedural* compliance as provided by the standards developer. ANSI approval does not indicate that the ANSI BSR (or any other committee within ANSI) has reviewed the *technical* content of the document.
- Approval as an ANS is based on a review of evidence of compliance with accredited procedures, i.e., the process by which the technical content was developed.

How is Compliance Evaluated?

- Criteria of the American National Standards process include:
 - Consensus on a proposed standard by a group or "consensus body" that includes representatives from materially affected and interested parties
 - Broad-based public review and comment on draft standards
 - Consideration of and response to comments submitted by voting members of the relevant consensus body and by public review commenters
 - Incorporation of approved changes into a draft standard
 - The right to appeal by any participant that believes that due process principles were not sufficiently respected during the standards development in accordance with the ANSI-accredited procedures of the standards developer.

How is Compliance Evaluated?

- Criteria of the American National Standards process include:
 - Consensus on a proposed standard by a group or "consensus body" that includes representatives from materially affected and interested parties
 - Broad-based public review and comment on draft standards
 - Consideration of and response to comments submitted by voting members of the relevant consensus body and by public review commenters
 - Incorporation of approved changes into a draft standard
 - The right to appeal by any participant that believes that due process principles were not sufficiently respected during the standards development in accordance with the ANSI-accredited procedures of the standards developer.

How is Continued Compliance Verified?

- Reaccreditation Requirement: whenever procedures change, they must be submitted to ANSI
- Review by ANSI Board of Standards Review: any standard for which unresolved negative votes or public comments exist are given a procedural review.
- Audit: procedural audit every 5 years; special audits for cause as needed.
- Annual Compliance Statement; all ANSI-Accredited Standards Developers are required to submit a certification of continued compliance with the ANSI Essential Requirements.

Why do U.S. companies seek ANS distinction for their standards?

- To boost consumer confidence: The ANS distinction reassures consumers and other users that the product they are using has been subject to neutral third-party oversight.
- To create brand name recognition: The ANS distinction may provide U.S. companies with a competitive edge.
- To respond to de facto industry requirements: Some industry sectors may be required to pursue the ANS distinction simply because their major competitors have chosen to do so. This is typically the case for high-risk sectors.
- To minimize legal risk.
- To obtain government recognition as ANS approval indicates preferred government due process considerations have been satisfied.