



ANSI's Role in Standards and Trade

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American National Standards Institute

Discover Global Markets, Standards for Export
Success, September 19, 2017



*Today, more than ever, standards are an imperative undertaking.
Standards are the building blocks for innovation and competitiveness.*

Our nation's ability to compete and lead in a rapidly changing global economy is closely related to our leadership in the development and effective use of standards and standardization processes.



Standards provide the common language that keeps domestic and international trade flowing. It is difficult to overestimate their critical value to both the U.S. and global economy.

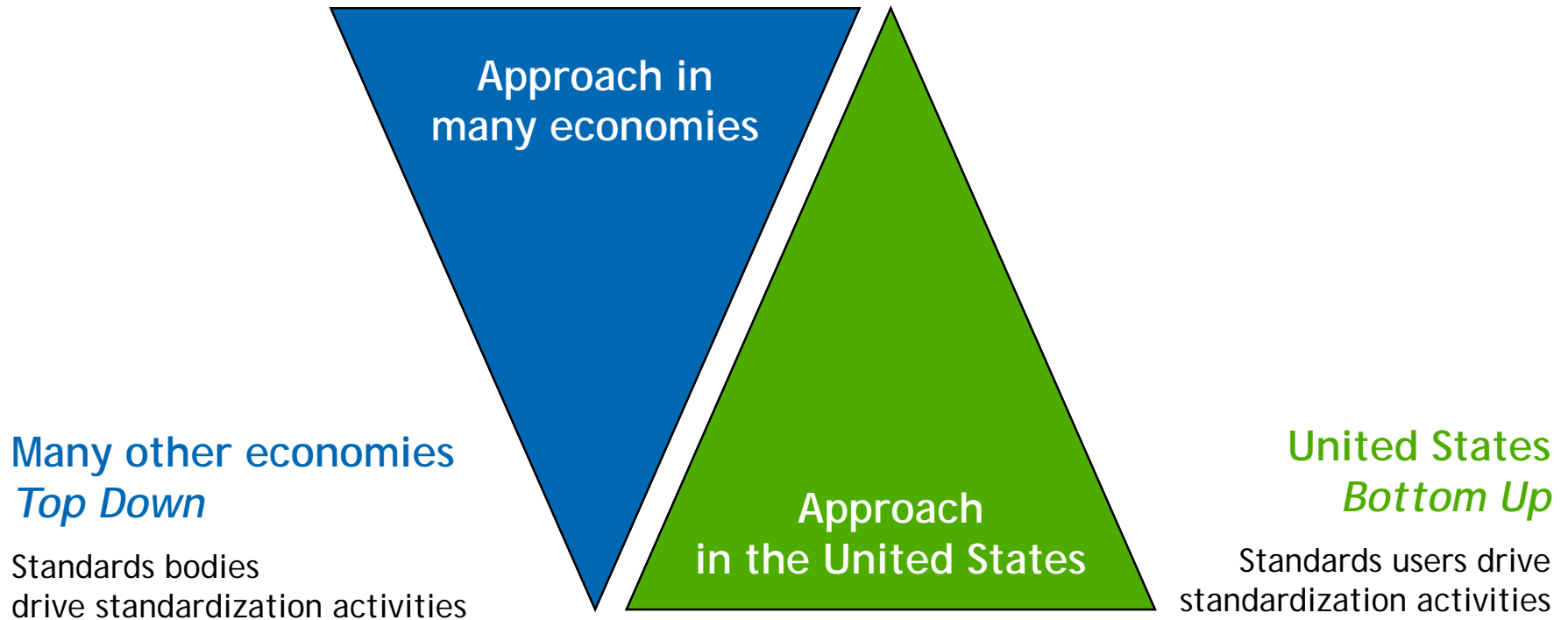
Source:

Director of the National Institute of Standards and Technology - Patrick Gallagher
United States Standards Strategy

December 2, 2010

U.S. Standardization System (market driven)

comparison with many other economies



U.S. Standardization System

guiding principles

- Standards should meet societal and market needs and should not be developed to act as barriers to trade
- SDOs should avoid duplication of, and overlap with, the work of other standardizing bodies
- The U.S. endorses the globally accepted standardization principles of the World Trade Organization Technical Barriers to Trade Agreement
 - Transparency
 - Openness
 - Impartiality
 - Effectiveness and relevance
 - Consensus
 - Performance-based
 - Coherence
 - Due process
 - Technical Assistance
 - Flexible
 - Timely
 - Balanced



U.S. Standardization System

different tools for globally relevant standards

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

U.S. Standardization System

government's role

- The U.S. federal government is the largest single creator and user of specifications and standards
- Decisions about which standards are most appropriate for specific needs are left to the discretion of individual agencies
- The National Technology Transfer and Advancement Act requires federal government agencies to use voluntary consensus standards for regulatory and procurement purposes whenever possible, in lieu of creating government unique standards

U.S. Standardization System

conformity assessment

- Standards are just good ideas unless products, processes, systems, and personnel conform to them.
- Conformity assessment activities in the U.S. are not centrally organized
 - Activities are a mix of government (both regulatory and voluntary programs) and private sector (market-based programs)
 - Approaches vary among sectors



- The American National Standards Institute serves as administrator and coordinator of the private sector standardization system in the United States.
- Founded in 1918, ANSI is a private, non-profit organization.
- ANSI is not a government agency or a standards developer.

ANSI's Mission

To enhance both the global competitiveness of U.S. business and the U.S. quality of life by promoting and facilitating voluntary consensus standards and conformity assessment systems, and safeguarding their integrity.

ANSI's Members

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

Members of the ANSI Federation include . . .

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

ANSI's Roles Include . . .

- Represents U.S. globally
- Ensures integrity of the standards and conformity assessment system
- Offers neutral forum
- Accredits standards developers and conformity assessment organizations
- Bridge between U.S. public and private sectors

ANSI-Accredited Standards Developers

ASTM
International



American
Society of
Mechanical
Engineers



International
Code Council



American
Society of Heating,
Refrigerating and
Air-Conditioning
Engineers



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



NSF International



**And more than 200
additional organizations**

ANSI-Accredited Conformity Assessment Bodies

ANSI also accredits product certification bodies, credentialing programs, environmental programs, and more

- Oversee compliance of a certification body's processes
- Attest to the competence of conformity assessment bodies
- Assure delivery of products that meet requirements
- Provide confidence to buyers in purchasing decisions

Reaffirm consumer trust in safety, quality, competence

ANSI's Representation of U.S. Interests Globally

- U.S. member of ISO
- U.S. member of the IEC, via ANSI's U.S. National Committee (USNC)
- a U.S. member of IAF and ILAC
- member of regional forums in the Pacific Rim and the Americas
- liaison with groups in Europe, Africa and the Middle East
- bilateral agreements with other national standards bodies



ANSI's Engagement with European Standards Organizations (ESOs)

- CEN, CENELEC, and ETSI are counterparts to ISO, IEC and ITU
- CEN the European Committee for Standardization, produces European standards in all areas except for electrotechnical and telecommunications
- CENELEC, the European Committee for Electrotechnical Standardization, works to produce a single set of harmonized electrotechnical standards in Europe
- ETSI, the European Telecommunications Standards Institute, determines and produces European telecommunications standards
- ANSI interacts with the ESOs in various ways, including conducting over 30 ANSI-ESO dialogues since 1989



ANSI's Engagement with European Standards Organizations (ESOs)

- CEN-CENELEC Work Programme Published Annually (January 10, 2017)
 - http://www.cencenelec.eu/News/Publications/Publications/cen-cenelec-wp2017_en.pdf
- Aligned with “[work programme for European standardization](#)” published by the EC in June 2016
- Highlights:
 - Energy & Utilities
 - Defense & Security
 - Services

ANSI Bilateral Activities

- ANSI coordinates and leads outreach visits to and from countries of interest on an ongoing basis
- Outreach visits may be bilateral delegation meetings with ANSI peer national standards bodies (NSBs), their members, and/or with NSB staff either abroad or in the U.S.
- ANSI and USNC of IEC annually participate in a significant number of bilateral meetings with countries all over the globe, hosting many in ANSI's offices. This leads to better coordination and cooperation regionally and internationally.

ANSI's China Program



- Established local presence in China in (2007)
- Became focal point for standards and conformance in China
- Opened doors in China for members –*ANSI in China* Newsletter
 - StandardsPortal
 - Workshops and symposia
 - China Standardization Reform Focus Group
- Continue to make progress on overarching issues
- China wants to know what ANSI is doing and what ANSI is thinking

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 market 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

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INTERNATIONAL TRADE RESOURCES



U.S. - China SCCP



Standards Alliance



U.S. - Africa CESP



ANSI International Activities



U.S. Market Access Directory



China Roundtable



ANSI China Program



Delegation Visits to ANSI



International Trade Resources

ANSI's International Development Activities

Funding provided by U.S. Trade and Development Agency (USTDA)

- Helps maintain policies and positions of U.S. standards and conformance community in the implementation of U.S. government-funded projects

U.S.-China Standards and Conformance Cooperation Program (SCCP) (2016-2018)

- 20 workshops in China conducted over 3-year period
- Workshops will cover a wide range of sectors, relevant issues related to standards and conformity assessment

U.S.-Africa Clean Energy Standards Program (CESP) (2016-2019)

- 5 workshops in Sub-Saharan Africa in second phase, with an option for a third phase
- Workshops cover standards related topics for clean energy technologies

ANSI's International Development Activities

- Standards Alliance (2013-2021)
 - A public-private partnership supported by USAID and ANSI
 - Designed to build capacity of developing countries to implement the WTO Agreement on Technical Barriers to Trade (TBT)
 - Includes up to ten (10) participating countries: CAFTA-DR, Colombia, EAC, Indonesia, Mexico, MENA, Peru, SADC, Vietnam, Yemen
 - Expanded in 2016 to include 5 additional African countries
 - Opportunities for ANSI members to participate as experts in project training and other activities



for more information

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