ANSI

American National Standards Institute

COLLABORATIVE
STANDARDIZATION SOLUTIONS
FOR A STRONG NATION
AND A SAFER WORLD

ANNUAL REPORT 2015–2016

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CONTENTS

COLLABORATIVE

STANDARDIZATION SOLUTIONS FOR A STRONG NATION AND A SAFER WORLD

Today's increasingly digital form of globalization has opened up ever-changing business growth opportunities – not just for large multinational corporations, but also for smaller companies and start-ups, developing countries, and billions of individuals worldwide. While these changes enable a proliferation of new products, services, systems, and even whole industry sectors, they also demand strategic standardization to ensure quality, safety, and economic stability. And they demand that the public and private sectors work collaboratively to ensure U.S. interests gain the advantages, mitigate the challenges, and develop strategic approaches so that the standardization community can respond to changing needs.

The spectrum of colors across this 2015-16 Annual Report represents the diverse but harmonious contributors that make up our nation's dynamic standards and conformance system. As the coordinator and voice of the system, the American National Standards Institute (ANSI) is proud to highlight its recent achievements – in collaboration with members, partners, and thousands of dedicated individual contributors – in bringing about flexible, cross-sector solutions for an array of national and global priorities. Alone, each organization, activity, or interest group has a key role and its own unique accomplishments. But together they create an even greater impact – to influence the global market opportunities fueling U.S. business and job growth, enhance quality of life of all citizens, and drive the development of powerful standardization solutions for a strong nation and a safer world.

**Kevan P. Lawlor
Chair of the Board**

In my second year as chair of the ANSI Board of Directors, I've had the pleasure of gaining an even broader perspective on the prodigious activity undertaken by ANSI, its members, and partners, on behalf of the entire U.S. standardization community. And while those activities impact nearly every industry, technology area, and segment of society, one area of increasing focus for our members and stakeholders is the services sector.

Services are tremendous contributors to the global economy – an estimated 78% or $10.3 trillion of the U.S. GDP. And while the services sector is quite diverse, from utilities, IT, healthcare, and finance to education, tourism, food service, and retail, ANSI has reached out to these diverse industry areas and concluded that there are great opportunities for our community to help service providers understand what standards and conformity assessment can do for them.

We started this work with a conference in fall 2015 that focused on the needs and priority issues of various service providers to gauge how standardization may help their businesses, and where there are opportunities for strategic work. And with the help of valuable input from our members and the guidance of a Board Task Group on the subject, ANSI has developed a Service Sector Initiative as a long-term strategy that formally establishes standardization for all aspects of the service economy as an immediate and growing priority for the Institute.

We need to make sure that we have a compelling value proposition for service providers. Many of them have a limited understanding of standards and conformity assessment, so education and outreach are vital, and we've made some great progress there already. Hopefully you've seen our webpage, www.ansi.org/services, which houses a growing set of resources for communicating the value of standards and conformance to service providers, including several popular posters, news articles, videos, and links to other standardization organizations' services-oriented resources.

And we're continuing with targeted outreach to more than 140 organizations to better understand the needs and problems common to five major categories of the services sector: retail; amusement and entertainment; food and beverage; transportation; and waste management, disposal, and recycling. With that information, we can demonstrate how ANSI and the broader standardization community can provide solutions in each of these areas. One concrete example is the effort to develop a Retailers Ad-Hoc Group, which will enable us to gather the knowledge needed to respond to the issues, challenges, and opportunities of the retail sector.

ANSI's Service Sector Initiative has the potential to bring a large number of new participants to our community, providing great opportunities for us all. As we say all the time, the strongest standardization solutions result from the broadest, most engaged group of contributors, and ANSI is proud to bring so many dedicated experts together. I would like to thank each and every one of you for your engagement, as well as ANSI's exceptional staff and my fellow board members for their service. Together, we will continue to identify opportunities where we can support standards and conformance activities that address national and global priorities, and ensure the U.S. standardization community is strong and effective in developing solutions.

Kevan P. Lawlor

S. Joe Bhatia
President and Chief Executive Officer

It has been a year of great achievements and unique challenges for ANSI and the entire standardization community, and I am very proud of the strides we've made working together in collaboration. Throughout this report, you'll read highlights of the important initiatives ANSI and its members and partners are successfully leading; but I'd like to focus first on a challenging issue we have also been facing, and the importance of addressing it as a strong community.

At the end of January 2016, the White House Office of Management and Budget (OMB) issued the long-anticipated revision of OMB Circular A-119, "Federal Participation in the Development and Use of Voluntary Consensus Standards and in Conformity Assessment Activities." OMB A-119 is the defining document of our nation's public-private partnership for standardization, and its importance to the standards community and the nation cannot be overstated. Because of that, ANSI has been tremendously active in informing the public about important developments with respect to the OMB A-119 update, government reliance on private-sector standards and conformity assessment, and the issues surrounding standards incorporated by reference (IBR-ed) into regulation. With input from our constituents, we've developed strong, effective outreach aimed at highlighting the value, integrity, and accessibility of the U.S. standardization system and ensuring its long-term viability.

ANSI was pleased to report that the revised OMB A-119 is broadly supportive of the standardization system and our views on IBR, and maintains a strong preference for using voluntary consensus standards over government-unique standards in federal regulation and procurement. OMB's review activity took place in a public forum, with opportunity for public comments from all, and the conclusions reached were that reasonable availability was the best path forward, and that standards developers (SDOs) and agencies should work together in each case to determine how the IBR-ed standards could be made available in a way that meets the needs of all parties. For our part, ANSI continues to work with SDOs to help determine best methods, and, when appropriate, hosts read-only access to standards for several dozen developers via the ANSI IBR Portal.

And yet, an effort underway at the American Bar Association (ABA) seeks to challenge this effective and cooperative system. Despite ANSI's and other stakeholders' arguments submitted against it, ABA has approved a Resolution encouraging Congress to amend the Administrative Procedure Act to require agencies to make IBR-ed standards accessible, without charge, to members of the public – at minimum via online, read-only access to the incorporated portion. The Resolution further requests that agencies review their historical incorporations by reference, and make such arrangements for these standards as well, or amend or repeal the regulation to eliminate the incorporation by reference.

If Congress were to act on the ABA Resolution, the result could jeopardize not just individual SDOs, but the entire U.S. standardization system. And it could leave a vacuum that would put U.S. industry and the public at serious risk, as it is implausible for government, without SDOs, to efficiently convene thousands of subject-matter experts from industry, insurers, regulatory authorities, consumer groups, end users, and other interests to draft and maintain highly technical standards addressing a multitude of specialized disciplines. As a community, it is more important than ever that we work   to inform government, industry, and the public about the importance of protecting our open and collaborative system. And as we look ahead, ANSI is committed to working with all of you to ensure that message is heard and our critical work continues to support U.S. competitiveness and quality of life.

ANSI's strategic priorities are intended to position the Institute for the long term, and reflect the needs of our community, the administration, policy makers, and industry. The following highlights actions on several top priorities over the past year.

COORDINATION
Enhance U.S. Competitiveness and Innovation through Standards and Conformance Activities

ANSI initiates standards coordination initiatives in partnership with its members that respond to priority needs of the nation and the world, and one recent example is the 2016 launch of the America Makes & ANSI Additive Manufacturing Standardization Collaborative (AMSC). Additive manufacturing – or 3D printing – has the potential to create whole new product categories, simplify supply chains, and even revive U.S. manufacturing centers. Effective, efficient standardization can provide this nascent industry a needed boost. That's why the AMSC is now at work on a standardization roadmap, to be published in early 2017, that will facilitate a more coherent and coordinated approach to the development of standards needed for additive manufacturing, and, ultimately, contribute to the growth of this emerging industry.

Solutions for smart and sustainable cities will likely continue as a national and global focus for the foreseeable future, as the World Health Organization (WHO) has predicted continued urban population growth through 2030. Efficient standardization strategies are needed, and the ANSI Network on Smart and Sustainable Cities (ANSSC) has been focusing its monthly webinars on sharing the expertise of those engaged in successful smart cities initiatives. Recent webinars have covered the role of credentialing in urban infrastructure planning and sustainable development, the U.S. Green Building Council's Performance Excellence in Electricity Renewal (PEER) certification program, and the community resilience activities of the U.S. Commerce Department's National Institute of Standards and Technology (NIST). And now, an international technical working group under the leadership of NIST, ANSI, and several other partners is analyzing smart city architectures with the goal of producing a framework document that will bring greater coherence to future smart cities standardization efforts.

Also bolstering sustainability on a broad scale, the ANSI Energy Efficiency Standardization Coordination Collaborative (EESCC) released a 2016 Progress Report on its *Standardization Roadmap: Energy Efficiency in the Built Environment,* providing updates on 71 of the 109 recommendations included in the 2014 Roadmap. EESCC staff presented an overview of the work at a Congressional briefing on "Federal Engagement in Efficiency Standards," emphasizing how public-private partnership is essential to the development of standards for greater energy efficiency. And the Department of Energy (DOE) reaffirmed its commitment to working with the EESCC, making note of the great progress that has been made toward roadmap goals.

A project with tremendous potential to improve lives on a global scale is ANSI's work toward a "next-generation toilet." Over 2 billion people have no access to clean, safe toilets, posing major health and safety risks. In 2016 the Institute implemented the first year of a project, funded by the Bill & Melinda Gates Foundation, focused on the development of the first international standard for sustainable non-sewered sanitation systems. ANSI held a June 2016 meeting in Singapore resulting in the publication of an International Workshop Agreement (IWA), which is intended to inform the development of an international standard. The newly formed International Organization for Standardization (ISO) Project Committee (PC) 305, *Sustainable non-sewered sanitation systems*, will take on the work, with ANSI serving as Secretariat in partnership with Senegal. The new international standard will enhance efforts to widely manufacture, market, and deploy the technology, potentially saving millions of lives.

PARTNERSHIP
Serve as a Bridge between Public-Sector Policies and Private-Sector Solutions

One of the greatest strengths of the U.S. standardization system is the "public-private partnership"– the cooperative relationship between the public and private sectors that fosters effective solutions. And ANSI plays a key role in working with its members to build those successful collaborations. One huge accomplishment this year was the launch of the U.S. Trade and Development Agency (USTDA)-funded U.S.-Africa Clean Energy Standards Program (CESP). The USTDA selected ANSI, in partnership with Power Africa, to coordinate workshops

in Sub-Saharan Africa as a platform for industry to cooperate on standardization issues relevant to clean energy technologies. ANSI collaborated with NEMA, the IEEE National Electrical Safety Code committee, and Power Africa to organize the first workshop in South Africa, addressing electrical safety for clean energy technologies – a key priority for many sub-Saharan African countries. And a second workshop in Kenya focused on regulatory framework and quality assurance related to solar mini-grids. Less than 30 percent of the Kenyan population has access to the national electrical grid, and solar mini-grids have emerged as an alternative.

The USTDA also awarded ANSI a contract to implement another three-year phase of the **U.S.-China Standards and Conformance Cooperation Program (SCCP),** following the Institute's successful organization of 20 workshops during Phase 3. The workshops in China cover a wide range of sectors and issues related to standards and conformity assessment, and provide opportunities for interested U.S. private-sector organizations to get engaged in the Chinese market.

In support of the **White House's Trade Africa initiative,** ANSI has begun to expand its highly successful **Standards Alliance** initiative to include five new countries: Ghana, Senegal, Côte d'Ivoire, Zambia, and Mozambique. A partnership with the U.S. Agency for International Development (USAID), the Standards Alliance provides capacity-building assistance to developing countries. For example, together with the East African Community (EAC), the Kenya Bureau of Standards (KEBS), and the USAID East African Trade and Investment Hub, the Alliance held a **"U.S.-EAC Public-Private Sector Workshop on World Trade Organization (WTO) Transparency Requirements and Procedures on Technical Barriers to Trade (TBT)"** in Kenya.

The Standards Alliance has also been highly active in supporting the automotive sector's global priorities. A workshop in Ecuador on **"Automotive Standards and Regulations in the Americas,"** held in collaboration with the U.S. Department of Commerce and the American Automotive Policy Council, featured expert presentations by ANSI members from both sectors. Assistant Secretary of Commerce Marcus Jadotte delivered the keynote address, and more than 70 representatives of industry and government in the region attended. In addition, the Alliance carried out numerous successful workshops and

training in Mexico, Malawi, Ghana, Jordan, Peru, and Tanzania in 2016, all involving strong participation from industry and government agencies.

Outreach to Congress and government leaders is a critical tool for supporting standards-based solutions, and always a strong focus for ANSI. The Institute hosted a **Capitol Hill event** – attended by over 50 stakeholders from the private sector and federal government – for discussion of how voluntary standards support effective regulation. Cosponsored by the National Association of Manufacturers (NAM), ASTM International, Underwriters Laboratories (UL), and the American Bar Association, the December 2015 event highlighted the importance of government participation in and reliance on voluntary standards and conformance. And in June 2016, the director of the U.S. Department of Justice's National Institute of Justice (NIJ), addressed the ANSI Board of Directors, sharing NIJ's strategic priorities and exploring ways that standardization is and can further help to support those initiatives.

ADVOCACY

Support and Protect the Standards Ecosystem on Behalf of the Community and the Nation

As coordinator of the U.S. standardization system, ANSI keeps a close watch on issues and challenges that affect the way standards are developed and how standards developing organizations conduct business. The issue of **standards incorporated by reference (IBR) into law,** as discussed on page 5, remains a key focus, and the Institute consistently serves as a strong voice for the entire community. But beyond IBR, ANSI has heard from a number of its members – primarily in the information and communications technology (ICT) sector – that **open source is another top issue** for our community. To help evaluate the implications of open source on standards development, ANSI hosted a free conference, **"Open Source, Open Standards, Open Minds,"** bringing together over 140 stakeholders for a conversation on how the traditional standards development and open source communities can best work together. While some standards developers shared challenges and concerns related to open source, most described it as an opportunity for collaboration between tradition and innovation, and even as an inevitable next step for the business of writing specifications.
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Open source is one example of what ANSI consistently recognizes as the "multiple-path approach" to global relevance in standardization. The global relevance of a standard cannot and should not be measured by which organization developed it. Instead, compliance with the WTO TBT principles, alongside the degree to which a standard is used in the global marketplace, are the best measures. ANSI strives to strengthen and communicate that message in support of the many U.S.-based organizations working to develop international standards and assert leadership in the standardization community.

ANSI's work as an accreditor of standards developers and approver of American National Standards is one way the Institute fosters integrity and relevance in the U.S. standardization system, in harmony with the WTO TBT principles. Frequent webinars and in-person training sessions offer current and prospective standards developers support and guidance, assuring the credibility of nearly 250 organizations currently accredited by ANSI.

LEADERSHIP

Assert U.S. Leadership Role in the Regional and International Standardization Community

Serving as a U.S. national member for all major international and regional standards and conformance bodies is undoubtedly among ANSI's most important roles. And one key aspect is working with members and partners to ensure that the U.S. assumes and retains policy and technical leadership in those international fora, keeping a strong voice for U.S. interests on the front lines.

Following dedicated outreach work by ANSI and its members, the U.S. National Committee (USNC) of the International Electrotechnical Commission (IEC), and other U.S. interests, James M. Shannon, former president and CEO of the National Fire Protection Association (NFPA), was elected as IEC president in 2015. He assumed the role of president-elect in January 2016, and will begin his three-year term as president in January 2017. Jim Matthews of Corning Incorporated continues his second term as IEC vice-president and chair of the Standardization Management Board (SMB). And in regional activities, the ANSI president and CEO continues his second term as the president of the Pan American Standards Commission (COPANT) through 2017, demonstrating the U.S.'s commitment to international

standardization and its trade partners in the region.

On the technical side, ANSI directly administers Secretariats for more than a dozen ISO Technical Committees (TCs), Subcommittees (SCs), or Project Committees (PCs), and serves as the U.S. Technical Advisory Group (TAG) Administrator for several. This critical work depends on the dedicated engagement of ANSI members who work collaboratively to ensure U.S. positions are strongly represented in international standardization activities. In one example, the U.S. maintains its long-term leadership of the prodigious ISO/IEC Joint Technical Committee (JTC) 1, *Information Technology,* thanks to the commitment of industry and government participants. ANSI is grateful to the three federal agencies that came together to ensure funding for its continued administration as Secretariat of ISO/IEC JTC 1, SC 37 on *Biometrics,* and of ISO/IEC JTC 1, SC 37, Working Group (WG) 4 on *Technical implementation of biometric systems.* And further expanding U.S. leadership in key IT areas, ANSI assumed the Secretariat of ISO/IEC JTC 1 WG 9 on *Big Data.*

In another major growth area, the U.S. maintains leadership of ISO TC 229, *Nanotechnologies,* WG 3 on *Health, Safety, and the Environment*, and now chairs ISO TC 229 Task Groups on *Nanotechnology and Sustainability* and *Consumer and Societal Dimensions of Nanotechnologies.* ANSI administers the U.S. TAG to ISO TC 229 – a group that has been highly effective in advancing U.S. positions to ISO, and served as expert panelists for an international dialogue on nanotechnology, industry, and regulation support of innovation during the 2016 ISO TC 229 Plenary in Singapore.

In the conformity assessment arena, three of ANSI's accreditation program directors have assumed key leadership roles in international fora – as a member of the Pacific Accreditation Cooperation (PAC) Executive Committee; as Chair of the PAC Working Group on ISO/IEC 17024; and as Chair of the International Accreditation Forum (IAF) Greenhouse Gas/Energy Working Group.

PARTICIPATION

Ensure That the U.S. Is Strongly and Effectively Represented In Global Standardization Fora

Even more important than leadership is broad and effective participation, and the U.S. continues to be a global powerhouse in international standardization

activities, with ANSI and its members at the helm. From the technical perspective, the **U.S. participates in 80% of the work of ISO and 93% of the IEC (through the USNC).** The U.S. leads 110 ISO TC or Subcommittee (SC) activities and holds 108 TC or SC Secretariats and 493 WG convenorships. In addition, the Institute worked with U.S. parties to facilitate the formation of 20 new ISO TAGs in 2015, and conducted extensive stakeholder outreach to solicit U.S. participation in 7 new ISO TCs, which resulted in the accreditation of 3 new U.S. TAGs in early 2016.

To ensure that the U.S. is properly represented in the ISO process, ANSI implemented and tracked compliance to mandatory **training requirement for U.S. TAG Administrators and ANSI-delegated ISO Secretariats.** These activities have helped strengthen the U.S. voice in ISO, as all individuals serving in these roles on behalf of the U.S. are assured of having current and consistent knowledge of ANSI and ISO policies and procedures.

In IEC activities, the USNC increased its participation to a record of 165 approved U.S. TAGs and now serves as the Secretariat for 24 IEC TCs or SCs. In addition, U.S. individuals currently chair 31 IEC TCs or SCs. And to provide concrete best practice information for USNC delegates representing the U.S. electrotechnical sector at IEC TC, SC, and WG meetings, the USNC hosted an **online USNC constituent training course.**

REGIONAL

Boost Bilateral Relationships to Enhance Trade in Key Market Sectors

The U.S. Department of Commerce's International Trade Administration recently released a staggering statistic: up to **93% of global trade is impacted by standards and technical regulations.** Therefore, working to strengthen global market access through standardization is absolutely critical to U.S. competitiveness, and a key priority for the Institute. In nearly every area of the world, ANSI is actively engaged and fosters relationships with counterpart organizations and key officials to boost bilateral cooperation and reduce trade barriers.

Europe is facing unique concerns as a result of the UK's intention to withdraw from the European Union, and standardization and trade issues are important among them. To discuss potential impact with key regional standardization leaders, **ANSI hosted an international**

policy webinar focused on how the withdrawal may affect the UK's participation in venues such as CEN, CENELEC, ISO, and IEC. ANSI maintains a long-term, ongoing collaborative dialogue with the European Standards Organizations (ESOs) – CEN, CENELEC, and ETSI – and with the European Commission in recent years. In 2015, the Institute and the ESOs worked together on the release of **two Q&A documents to increase mutual understanding of the U.S. and European standardization systems.** And ANSI has kept the U.S. community well informed of the European Commission's proposal to modernize the EU's standardization policy to keep pace with global technological developments and political priorities. ANSI has also been engaged in ISO discussions with representatives of CEN to improve implementation of the ISO/CEN Vienna Agreement, which provides a framework for technical cooperation and transparency between the organizations to reduce duplicative work.

In partnership with the German Institute for Standardization (DIN), ANSI held a **Standards Panel on Medical Device Technology and Transatlantic Cooperation,** with discussions focused on standards and innovation, interoperability, and trade access. And the USNC conducted two bilateral meetings with the German National Committee in 2016, focused on outstanding regional issues between the two Committees and on smart manufacturing/industry 4.0.

Moving eastward, ANSI signed a **memorandum of understanding (MoU) with the Armenian National Institute of Standards** recognizing the importance of bilateral cooperation in standardization. And the Institute participated in a roundtable on standards and conformity assessment held in New Delhi on the sidelines of the Second India-U.S. Strategic and Commercial Dialogue. The roundtable was highlighted in the two governments' joint leaders' statement, and reflects progress in ANSI's renewed MoU with the Confederation of Indian Industry.

ANSI continues to closely monitor the rollout of the reform of China's standardization system and communicate updates to our community. In April 2016 the Institute hosted a high-level Chinese delegation from SAC in Washington, DC, to discuss the provisions of the **new draft China Standardization Law,** providing ANSI members an opportunity for direct feedback from the vice administrator of SAC. The Institute's China Roundtable also met in Beijing to discuss the draft with representatives from ▶

the U.S. Information Technology Office and the U.S. Embassy in Beijing, along with numerous ANSI members in attendance. And the Institute further expanded its activities and resources for members doing business in China with the launch of the *ANSI in China Newsletter,* providing updates on technical activities, policy decisions, trade matters, and other information of interest to ANSI members operating in or interacting with China.

Among other Standards Alliance activities in Africa, ANSI provided conformity assessment training to members of the African Regional Standards Organization (ARSO) at the ARSO General Assembly in Tanzania. ARSO is an intergovernmental organization established by the African Union to facilitate trade by providing harmonized standards and facilitating implementation. The event provided an opportunity for ANSI and several of its members to meet with African partners regarding the Institute's growing portfolio of capacity-building projects in Africa.

And in South American market activities, ANSI added an **export market section on Brazil to its Standards Portal, www.standardsportal.org.** ANSI leadership presented a brief overview of the Portal at the U.S. Chamber of Commerce as part of a debriefing on the U.S.-Brazil Commercial Dialogue – a cooperative mechanism to amplify bilateral trade and investment between the two nations. ANSI's expansion of the Portal was cited as one concrete outcome of this cooperation.

ACCREDITATION
Expand Accreditation Services and Program Recognition

The reputation of ANSI's accreditation services continues to be enhanced as governments and organizations both domestically and globally bestow recognition on the various programs. Nationally, the Institute was selected by the **U.S. Department of Education to serve as a Quality Assurance Entity in the Educational Quality Through Innovation Partnership (EQUIP) program** – part of the Obama Administration's large-scale effort to provide low-income students with access to new models of education and training. Through its Certificate Accreditation Program, the Institute will serve as part of a team that includes the State University of New York Empire State College and Flatiron School, a programming training boot camp.

On behalf of the U.S. Department of Energy

(DOE), ANSI conducted an assessment of the **National Institute of Building Sciences "Better Buildings Workforce Guidelines"** in an effort to improve the quality of commercial building energy-efficiency workforce credentials. And ANSI's Personnel Certification Accreditation Program was cited as meeting the requirements set forth by the **2015 National Defense Authorization Act** on quality assurance of certification programs and standards for credentials obtained by members of the Armed Forces.

In state legislation, New Mexico recently joined California, Illinois, Arizona (Maricopa County), West Virginia, and Texas in **requiring food handlers to have a training certificate from an ANSI-accredited certificate program.** And in the private sector, ANSI's Greenhouse Gas Accreditation program now accredits entities validating cook-stove emissions in accordance with **Gold Standard Foundation specifications.** In addition, the **ANSI-ASQ National Accreditation Board (ANAB) has acquired Accreditation Services Bureau,** which provides accreditation for testing and calibration laboratories under the name Laboratory Accreditation Bureau (L-A-B).

And further expanding the global reach and acceptance of effective third-party accreditation, ANSI's Personnel Certification Accreditation Program is now recognized by peer accreditation bodies in the Pacific Rim, as **ANSI became a signatory to the inaugural PAC Multilateral Recognition Arrangement (MLA) on certification of persons.**

MEMBERSHIP
Respond to Member and Industry Needs and Facilitate Standardization Engagement

The **Service Standards Initiative,** discussed in depth on page 4, is one major example of ANSI's commitment to assessing its members' needs and working in partnership toward effective, engaging activities and solutions. But in numerous other initiatives and events, large and small, the Institute continually strives to provide constituents the needed tools to become more effective stewards for standardization within their own organizations.

Focusing on specific topics of interest, the **Company Member Forum (CMF) and the Committee on Education (COE) coorganized a panel discussion** at the University of Michigan on training and educating emerging standards

professionals, in tandem with a meeting which included CMF discussions on cybersecurity, smart cities, and smart manufacturing. A subsequent CMF meeting, featuring an expert speaker on cybersecurity from the **Center for Internet Security's Critical Security Controls for Effective Cyber Defense (CIS CONTROLS),** was held as an online event to enable even greater participation by members.

ANSI is committed to strengthening our federation of members by reaching out to diverse experts and leaders in various industry sectors that may not be as involved in standardization. In one recent example of **partnership opportunities for ANSI and its members,** Institute leadership met with NSF International as well as CEOs of industry associations for a strategic discussion on standardization needs and related issues in the dietary supplement industry.

To engage new constituents and help clearly communicate the importance of participation in domestic and international standardization activities, ANSI created a **new suite of membership materials, including a dynamic new brochure, "Who Cares about Standards?"** and a graphical webinar detailing opportunities for strategic engagement. And as part of ANSI's continual effort to increase the usability and efficiency of its online offerings, the Institute launched a **redesigned and enhanced standards store at webstore.ansi.org.** With consideration given to member and user feedback, the upgraded store features a mobile-friendly, modern interface with faster load times and a vast but easy-to-navigate catalog of U.S. and other national, regional, and international standards.

EXPANSION

Engage New Constituents and Bolster ANSI's Role in the Standards Ecosystem

Across the entire U.S. standardization community, **engagement of the next generation is a key priority** for continued strength, and ANSI is doing its part to reach out and attract tomorrow's standards leaders. The Institute participated in the **2016 Science and Engineering Festival** in Washington, DC, with an interactive exhibit on the theme, "Standards Are Everywhere." Hands-on games, electronics, and school supplies were available for the estimated 350,000 attendees to see for themselves how standards help support nearly everything kids do every day. And a highlight of ANSI's exhibit was the

"U.S. Standardization System Passport" activity, developed by the Institute in partnership with seven exhibiting ANSI member organizations, challenging students to visit all the partner organizations' booths to explore the standards system and win a prize.

To raise visibility of standards and conformance among university-level students, ANSI's vice president of government relations served as guest speaker when over 120 students representing the next generation of scientists and engineers met with Congressional staff on Capitol Hill as part of NIST's Summer Undergraduate Research Fellowship. In October 2016, two free events continued the focus on inspiring students during World Standards Week: an **ANSI-NIST international standards simulation competition,** and a full-day **conference on preparing the next generation of standardizers.** And in IEC activities, the USNC launched its own Young Professionals (YP) Program in 2016, inspired by the great success of U.S. participants in the IEC's global YP program.

ANSI's Workcred affiliate is a prominent example of successful expansion of the Institute's activities into diverse arenas. The organization has seen significant growth since its 2014 launch and continues to offer opportunities for ANSI to engage new constituents and strengthen partnerships. In 2015-16 Workcred played a key role in the launch of the Lumina Foundation-funded **Credential Transparency Initiative,** which initiated work on a national registry for the U.S. credentialing system. More recently, Workcred is engaged with the Nevada Department of Education to create an **industry certification/licensure recognition program,** and exploring opportunities to replicate the program in other states. The organization is also working with the National Association of Insurance Commissioners to determine whether holders of credentials from various issuers should be considered qualified actuaries. And a through a **grant from the NIST Manufacturing Extension Partnership,** Workcred has initiated a project to evaluate the quality, market value, and effectiveness of manufacturing credentials, and identify areas that may be in need of new credentials.

ANSI is committed to consistent, responsive expansion to ensure the continued strength of the U.S. standardization system and bolster its global impact. And we are proud of the thousands of our members and partners working on the collaborative standardization solutions needed for a strong nation and a safer world. ■

MEMBERSHIP AND ACTIVITIES BY THE NUMBERS AS OF AUGUST 15, 2016

MEMBERSHIP

1,156 Total ANSI Members
681 Company Members
344 Organizational Members
65 Government Members
40 Educational/Institutional Members
26 International Members

ISO ACTIVITY

ANSI Participation in the International Organization for Standardization (ISO)

577 Participating "P" Memberships
258 Technical Advisory Groups
35 U.S.-Administered Technical Committee (TC) Secretariats
73 U.S.-Administered Subcommittee (SC) Secretariats
110 U.S.-Held TC or SC Chairmanships

IEC ACTIVITY

USNC Participation in the International Electrotechnical Commission (IEC)

165 Participating "P" Memberships
165 Technical Advisory Groups
12 U.S.-Administered TC Secretariats
12 U.S.-Administered SC Secretariats
31 U.S.-Held Chairmanships

ANS & ASDS

246 ANSI-Accredited Standards Developers (ASDs)
11,191 Approved American National Standards (ANS)

ANSI ACCREDITATIONS

85 Product Certification Programs
5 Eco-labelling Eligible Schemes
56 Personnel Certification Programs
20 Greenhouse Gas Validation and Verification Programs
36 Certificate Programs

ANAB ACCREDITATIONS

74 Quality Management Systems Certification Bodies
54 Environmental Managment Systems Certification Bodies
248 Other Management Systems Accreditations
1,427 Laboratories
51 Inspection Bodies
41 Reference Material Producers
15 Proficiency Testing Providers

FINANCIAL SUMMARY **2015**

For more information, see the Statement of Activities on page 15.

REVENUE $44M

- **57%** Publications
- **17%** Accreditation services
- **15%** Membership dues and assessment fees
- **8%** Fee-based programs
- **3%** International standardization programs

OPERATING EXPENSES $41M

- **31%** Publications
- **20%** Management and general
- **16%** Accreditation services
- **10%** International standards programs
- **9%** Fee-based services
- **6%** ISO/IEC dues
- **3%** Governance
- **2%** Federation promotion
- **2%** Membership and administration
- **1%** Government affairs

DESCRIPTION OF ORGANIZATION

The American National Standards Institute (ANSI) is a 501(c)3, not-for-profit organization. In fulfilling its mission, ANSI:

- Is recognized by both the public and private sectors as the policy and coordination forum for the U.S. standards and conformity assessment community.

- Approves standards as American National Standards (ANS) and safeguards the integrity and value of the ANS designation by requiring openness, balance, due process, consensus, and transparency to all directly and materially affected interests.

- Is the U.S. national member body to the International Organization for Standardization (ISO), the International Electrotechnical Commission (IEC, via the U.S. National Committee), and other non-treaty regional and international standards and conformity assessment organizations, facilitating access by U.S. parties and promoting U.S. interests.

- Accredits standards developers, U.S. Technical Advisory Groups (TAGs) to ISO, and conformity assessment bodies, including organizations that certify products and personnel; bodies engaged in the validation and verification of carbon emissions data and carbon offsets; organizations that issue education and training certificates to workers; certification bodies assessing eco-labeling and environmental declarations; and, through the affiliate ANSI-ASQ National Accreditation Board (ANAB), management systems certification bodies, testing and calibration laboratories, inspection bodies, reference material producers, and forensics testing agencies.

- Provides a means for assessing the need for new standardization activities and promotes the consensus fulfillment of identified needs.

- Interfaces with U.S. and other governments on standards and conformity assessment issues, and on technology; health, safety, and the environment; and global market access and technical barriers to trade (TBT) issues.

- Provides a central resource for timely, relevant, and easily accessible information and education on activities related to standards and conformity assessment programs in the U.S. and abroad.

FINANCIAL POSITION

as of December 31, 2015 and 2014

	2015	2014
Assets		
Cash and cash equivalents	$ 7,009,953	$ 6,525,173
Investments	8,267,303	8,356,631
Net accounts receivable:		
Publications and royalties	5,710,377	4,079,083
Program support, accreditation, dues, and other	3,040,982	2,646,798
Prepaid expenses and other assets	1,151,500	1,257,246
Prepaid pension costs	-	128,396
Investment in ANAB	630,682	680,220
Net property and equipment	229,201	178,413
Total assets	$ 26,039,998	$ 23,851,960
Liabilities		
Accounts payable and accrued expenses	$ 9,701,722	$ 8,958,121
Deferred dues and fee income	6,748,142	6,836,359
Pension liability	706,910	-
Deferred rent	1,003,647	960,405
Total liabilities	$ 18,160,421	$ 16,754,885
Net assets		
Unrestricted:		
Operating fund	$ (302,331)	$ (1,270,184)
Board-designated permanent reserve	7,199,605	7,349,002
Specific-purpose funds	797,467	797,945
Total unrestricted	7,694,741	6,876,763
Temporarily restricted	184,836	220,312
Total net assets	$ 7,879,577	$ 7,097,075
Total liabilities and net assets	$ 26,039,998	$ 23,851,960

STATEMENT OF ACTIVITIES
as of December 31, 2015 and 2014

	Summarized Information 2015	%	Summarized Information 2014	%
Revenue				
Membership dues and assessment fees	$ 6,470,371	15%	$ 6,082,593	16%
Publications	25,275,313	57%	21,676,254	55%
Accreditation services	7,409,203	17%	7,567,045	19%
International standardization programs	1,232,972	3%	1,107,882	3%
Fee-based programs	3,751,422	8%	2,573,157	7%
Total operating revenue	$ 44,139,281	100%	$ 39,006,931	100%
Expenses				
Program expenses:				
Publications	$ 12,691,237	31%	$ 12,452,090	32%
Accreditation services	6,409,956	16%	6,742,975	17%
International standards programs	4,189,963	10%	4,115,610	11%
ISO/IEC dues	2,484,348	6%	2,649,127	7%
Governance	1,291,767	3%	1,275,276	3%
Fee-based services	3,532,265	9%	3,006,320	8%
Federation promotion	770,115	2%	705,427	2%
Government affairs	564,427	1%	478,062	1%
Total program expenses	$ 31,934,078		$ 31,424,887	
Supporting services:				
Membership and administration	720,750	2%	710,970	2%
Management and general	8,445,966	20%	6,422,329	17%
Total supporting services	$ 9,166,716		$ 7,133,299	
Total operating expenses	$ 41,100,794	100%	$ 38,558,186	100%
Change in net assets from operations	3,038,487		448,745	
Non-operating activities				
Net investment return	$ (233,890)		$ 326,836	
Pension-related changes other than net periodic pension cost	(2,022,095)		(933,255)	
Total non-operating activities	$ (2,255,985)		$ (606,419)	
Change in total net assets	782,502		(157,674)	
Net assets, beginning of year	7,097,075		7,254,749	
Net assets, end of year	$ 7,879,577		$ 7,097,075	

The American National Standards Institute (ANSI) Federation comprises over 1,000 companies, government agencies, standards developing organizations, professional societies, trade groups, consumer representatives, academics, international bodies, and individuals. Via this diverse network of members, ANSI represents the interests of more than 125,000 companies and 3.5 million professionals worldwide.

2Wire, Inc.

3-A Sanitary Standards, Inc.

A

A.O. Smith Corporation

A2LA

AAC Inc.

ABB Incorporated

Abbott Laboratories

AbbVie

ABRET Neurodiagnostic Credentialing and Accreditation

AbsolutAire

ABTech Inc

Accredited Snow Contractors Association

Accredited Standards Committee X12, Inc.

Accredited Standards Committee X9, Inc.

Accuvant Inc.

Acoustical Society of America

Adobe Systems Incorporated

ADP Inc.

Advanced Medical Technology Association

Advanticom Inc.

AEGIS.net, Inc.

AEP Industries, Inc.

Aerojet Rocketdyne Inc.

Aerospace Industries Association

AES Engineering, LLC

Aesynt, Inc.

Agency for Healthcare Research and Quality

Agilent Technologies

AIIM – Association for Information and Image Management

AIM

Air Conditioning Contractors of America

Air Methods

Air Movement and Control Association International

Air-Conditioning, Heating and Refrigeration Institute

Airlines Reporting Corporation

Alabama Department of Forensic Sciences

Alabama Power Company

Alabama Technology Network

Alaska Airlines

Alcatel-Lucent USA

Alert Logic, Inc.

Allegheny Technologies Incorporated

Allegro MicroSystems

Alliance Data Systems

Alliance for Telecommunications Industry Solutions

Allied Tube and Conduit – Electrical Division

Altera Corp

The Aluminum Association

Alyeska Pipeline Service Company

AMADIS Inc

Amazon

AMC Health

AMC Institute

American Academy of Forensic Sciences

American Architectural Manufacturers Association

American Association of Physicists in Medicine

American Association of Radon Scientist and Technologists

American Association of Textile Chemists and Colorists

American Bankers Association

American Bearing Manufacturers Association

American Board of Multiple Specialties in Podiatry

American Boat and Yacht Council

American Brush Manufacturers Association

American Chemistry Council

American Composites Manufacturers Association

American Concrete Institute

American Council of Independent Laboratories

American Dental Association

American Express Information Technology Department

American Express Travel Related Services Company

American Forest and Paper Association

American Gas Association

American Gear Manufacturers Association

American Glovebox Society

American Health Information Management Association

American Imaging Management

American Institute of Aeronautics and Astronautics

American Institute of Baking

American Institute of Steel Construction

American International Group, Inc.

American Iron and Steel Institute

American Ladder Institute

American Nuclear Society

American Nurses Association

American Oil Chemists Society

American Optometric Association

American Orthotic and Prosthetic Association

American Petroleum Institute

American Society for Nondestructive Testing

American Society for Quality

American Society of Agricultural and Biological Engineers

American Society of Baking

American Society of Civil Engineers

American Society of Crime Laboratory Directors

American Society of Landscape Architects

American Society of Mechanical Engineers

American Society of Plumbing Engineers

American Society of Safety Engineers

American Type Culture
    Collection
American Water Works
    Association
American Welding Society
American Wind Energy
    Association
American Wood Council
American Wood Protection
    Association
AmericanHort
AmSpec LLC
ANSI-ASQ National
    Accreditation Board
AOAC International
APA – The Engineered Wood
    Association
APCO International –
    Association of Public Safety
    Communications Officials
    International
API Weinschel, Inc.
APPA – Leadership in
    Educational Facilities
Apparatus, Inc.
Apple, Inc.
Applied Computing
    Technologies, Inc.
Appvion
AQS Management Systems,
    Inc.
Archer Daniels Midland
    Company
Architectural Doors Factory
Architectural Woodwork
    Institute
Arizona Chemical Company,
    LLC
ARMA International
Armstrong World Industries,
    Inc.
Artisan Partners LP
ARUP Laboratories

Ascenden Inc.
Ashland, Inc.
ASHRAE
ASIS International
Aspect Automation
Associated Air Balance
    Council
Associated Laboratories Inc.
Association for Challenge
    Course Technology
Association for Rubber
    Products Manufacturers
Association for the
    Advancement of Medical
    Instrumentation
Association of Commercial
    Diving Educators
Association of Energy
    Engineers, Inc.
Association of Equipment
    Manufacturers
Association of Home
    Appliance Manufacturers
Association of Home
    Equipment Educators
The Association of
    International Product
    Marketing and
    Management
Association of Pool and Spa
    Professionals
Association of Strategic
    Alliance Professionals
Association of Transportation
    Safety Information
    Professionals
Assurant Corporation
ASTM International
Atlas Lighting Products, Inc.
Australian Pipeline Valve
Auto Glass Safety Council
Automation Solutions of
    America

Automotive Industrial
    Marketing Corp.
Automotive Industry Action
    Group
Automotive Lift Institute
Autonomous Solutions Inc.
Avanade, Inc.
Avon Protection Systems
AWS Truepower, LLC
Ayla Networks

B

B11 Standards Inc.
Babcock Canada
Baker and McKenzie Global
    Service
Baltimore Police Department
Bank of America
Bank of Hawaii
Bank of the West
Banner Engineering
Barrick Gold Corporation
Barry Wehmiller Companies
Battery Council International
Bausch and Lomb
    Incorporated
BB&T Corporation
BBA Aviation USA, Inc.
BC Industrial, Inc.
BD
Beacon Industries Inc.
Bel Fuse Inc.
Bellino Srl
Bemis Company Inc.
Benedictine University
Bentley Systems
    Incorporated
Benz Research and
    Development
Berkshire Hathaway Energy
    Company
BIC Corporation

BICSI, Inc.
BIFMA International
BioNetwork
Bio-Rad Laboratories
Bioresource Network
Bison Gear and Engineering
    Corporation
Black and Veatch Special
    Projects Corporation
BlackBerry Corporation
BMG Quality Management
    System
BNY Mellon – Information
    Risk Management
The Boeing Company
Booz Allen Hamilton
Boss Holdings, Inc.
Bottom Line Loss Control
Bre America, LLC
Bridgers and Paxton
    Consulting Engineers
Bridgestone Americas, Inc.
Bridgestone Bandag, LLC
Brightline CPAs and
    Associates, Inc.
Brixton Assessment Services
Broadridge Financial
    Solutions
BroadSoft, Inc.
Broan-Nu Tone LLC
Broward Sheriff Office
    Crime Lab
Brown Stove Works
Browning
BSI Group America Inc.
Builders Hardware
    Manufacturers Association
Building Owners and Managers
    Association International
Building Performance Institute
Bulk Handling Systems
Butte-Glenn Community
    College

C

CACI International, Inc.
Cadence Design Systems, Inc.
Cal-Comp USA
California Agricultural
    Commissioners and Sealers
    Association
California Independent
    System Operator
    Corporation
California Lottery
California State University –
    Office of the Chancellor
California State University –
    San Marcos
Cannondale Sports Unlimited
Canon USA Inc.
The Capital Group
    Companies
Caradigm USA LLC
Cargill Inc.
The Carpet and Rug Institute
Cascade Microtech
Cast Iron Soil Pipe Institute
Castle Worldwide
Caterpillar Inc.
Caveon, LLC
CDL Research and
    Development Group, LLC
Cell Signaling Technology
    Inc.
The Center for Responsible
    Enterprise and Trade
Center Point Energy
Central Station Alarm
    Association
CERA C-Cure Co., Ltd.
Certified Automotive Parts
    Association
Certified Wireless Network
    Professionals
CGFNS International

CGI
CH2M HILL – NBG
The Chamberlain Group, Inc.
Channellock Inc
Charleston Area Medical
    Center
Chelan County Power
Chicago Mercantile
    Exchange, Inc.
The Chubb Corporation
Ciber, Inc.
Cisco Systems, Inc.
Citigroup Technology Inc.
City of Grand Rapids
Classic Industries
The Clearing House
Clinical and Laboratory
    Standards Institute
Cloverdale Equipment Co.
Clydesdale Consulting
CM Services, Inc.
CNA
Cognate BioServices, Inc.
College of American
    Pathologists
Colorado Bureau of
    Investigation
Columbus McKinnon
    Corporation
Comau Inc.
Combe Incorporated
Commission on Accreditation
    of Ambulance Services
Commission on Accreditation
    of Medical Transport
    Systems
Commissioning Agents Inc.
Commonwealth of
    Massachusetts
CommVault Systems Inc.
Compassion International
ComplianceSigns
Composite Panel Association

Compressed Air and Gas
    Institute
Compressed Gas Association
Compu-tecture, Inc.
Computer Network
    Architects
Computer Science
    Corporation
Computershare Inc.
Concrete Reinforcing Steel
    Institute
Connections IT Services LLC
Connector Manufacturing Co.
Construction & Location
    Jenik Inc.
Consumer Federation of
    America
Consumer Technology
    Association
Consumers Union of the
    United States, Inc.
Contract Pharmaceuticals
    Limited Canada
Contreras Legal Strategy LLC
Conveyor Equipment
    Manufacturers Association
The Cook and Boardman
    Group
Cool Roof Rating Council
CoreLogic
Corero Network Security
Cornell University –
    Environmental Health
    and Safety
Corning Incorporated
Corrosion Monitoring
    Services, Inc.
CoServ
Cotterman Company
Cotton Incorporated
Covance Inc.
Crane Inspection and
    Certification Bureau

Crane Power Line Safety
    Organization
Cross Bore Safety
    Association
Crown Equipment
    Corporation
CSA Group
CSI Telecommunications, Inc.
CSST – Centre de
    Documentation
Cushman and Wakefield Inc.
Custom Protect Ear, Inc.
CVS Caremark Corporation
Cypress Semiconductor Corp.

D

D.Light Design, Inc.
Daikin Applied
Dana Holding Corporation
DBS Certification LTD
Decision Sciences
    International Corporation
Deere and Company
Delaware North
Dell Inc.
Delmarva Foundation Inc.
Delphi Automotive
Delta Dental of California
DEN Technologies Corp.
Dental Trade Alliance
Department of Forensic
    Sciences, Washington, DC
Design Chain Associates, LLC
Detector Electronics Corp.
Diageo
DICKEY-john Corporation
Diesslin Group, Inc.
Dimensional Metrology
    Standards Consortium, Inc.
Discover Financial Services
Diversified Inspections/ITL
Division 9 Commercial, Inc.

Document Center Inc.
Doerfer Companies
The Doe Run Company
Dolby Laboratories Inc.
Donaldson Company, Inc.
Door and Access Systems Manufacturers Association
Dottinger Design Inc.
The Dow Chemical Company
Dow Corning Corporation
DQS Inc.
DRI International, Inc.
Duke Energy
Dun and Bradstreet
DuPont Engineering
Dynabrade, Inc.
DynCorp International

E

E. D. Bullard Company
Eastman Chemical Company
Eastman Kodak Company
Eaton Corporation
EBW Electronics
ECC Corporation
ECCMA
Ecore International
Edevate
Edison Electric Institute
Educational Testing Service
Edwards Lifesciences
EHealth Data Solutions, LLC
EIFS Industry Members Association
Eiko, Ltd.
Electrical Apparatus Service Association
Electro Industries
Electronic Components Industry Association
Electronic Security Association, Inc.

Electroswitch Corporation
Elite Electronic Engineering
Emblem Health
EMC Corporation
Emergency Management Accreditation Program
Emerson Electric Co.
Emirates Technical and Safety Development Centre
Emser Tile LLC
EMSL Analytical, Inc.
Encore Wire Corporation
Energistics Consortium
Energy Solutions Inc.
Enfield Technologies
Ensafe Institute for Health, Safety and Counselling Training Ltd.
Entertainment Services and Technology Association
EOS/ESD Association, Inc.
Eracent, Inc.
Ergon Inc.
Ericsson Inc.
Erie Indemnity Company
Ernst and Young
ESI
Essential Dental Systems
Evolv, Inc.
Evonik Corporation
Exelon Corporation
Experian
Express Calibration Services
Exxon Mobil Corporation
The Eye Machine LLC

F

Fabrinet Co., Ltd.
Factory Automation Systems
Family Farms Group
Family Health International
Faraday & Future

Faxitron Bioptics, LLC
FC Frost Ltd.
Fenestration Testing Lab, Inc.
The Fiber Optic Association
Financial Services Technology Consortium
FireEye Technologie Deutschland GmbH
First Environment, Inc.
FIS Global
Fisher-Price, Inc.
FlightSafety International Inc.
Florida Department of Law Enforcement
Florida Hospital
Fluid Controls Institute
Flushmate
FM Approvals
FMC Process Tech Center
Forsmark Kraftgrupp AB
Frank Calandra Inc.
Frasca International
Fraunhofer USA, Inc.
Freddie Mac
Freeport McMoRan Sierrita Inc.
Freescale Semiconductor Inc.
Fujitsu America, Inc.
Fulbright and Jaworski LLP
Futaba Indiana of America Corporation

G

G. Wandling and Associates
G5 Engineering Solutions
Garmin International
Gartner, Inc.
Gates Corporation
Geico Corporation
Gemological Institute of America
Gemtor Inc.
Genentech

General Dynamics – Ordinance and Tactical Systems, Munition Services
General Electric Co.
General Mills
Genome ID Group, LLC
GeoEye
George Washington Institute of Public Policy
Georgia Quick Start
Georgia Tech Energy and Sustainability Services
Gesmer Updegrove LLP
GFS Chemicals, Inc.
Gilson Inc.
GL Noble Denton
Glazing Industry Secretariat Committee
Global Engineering Documents
Global Information Assurance Certification
Global Inventures, Inc.
Global Skills Exchange Corporation
Globe Motors
GM Financial
Google Inc.
The Green Building Initiative
Green Business Certification Inc.
GS 1 US
GTI Graphic Technology, Inc.
GTW Associates

H

Halyard Health
Hand Tools Institute
Hanger Inc.
Hardwood Plywood and Veneer Association

Harger Lightning and
  Grounding
Harris Health System
Harris IT Corp.
The Hartford
Health and Safety Institute
Health Integrity
Health Level Seven
Health Physics Society
Helikon.net
Hemisphere GPS
Hemolife Medical, Inc.
HemoSonics, LLC
Henry County Hospital
HERE North America LLC
Hertz Corporation
Hewlett Packard Inc.
Hexcel Corporation
HIBCC
Hines Industries
Hitachi Global Storage
  Technologies
HMS
Hobart Brothers Company
Home Innovation Research
  Labs
Homewerks Worldwide, LLC
Honda North America
Honda RD
HRB Tax Group, Inc.
Hubbell Incorporated
Human Factors and
  Ergonomic Society
Hydraulic Institute
Hyster-Yale Group

I

IAPMO
IAR Accreditation Services
IBM Corp.
ICC Evaluation Service, LLC
ICL Performance Products LP

IDEXX Laboratories
IEDAC USA LLC
IEEE
IHS Global Inc.
Illuminating Engineering
  Society of North America
InCord, Ltd.
Indianapolis Power and
  Light Co.
Indoor Environmental
  Standards Organization
Industrial Fasteners Institute
Industrial Heating Equipment
  Association
Industrial Steel Drum Institute
Industrial Truck Standards
  Development Foundation
InfoComm International
Information Technology
  Industry Council
Ingredion, Inc.
Institute for Credentialing
  Excellence
The Institute for Market
  Transformation to
  Sustainability
Institute for Sustainable
  Infrastructure
Institute of Environmental
  Sciences and Technology
Institute of Inspection,
  Cleaning and Restoration
  Certification
Institute of International
  Container Lessors
Institute of Nuclear Materials
  Management
Insulated Cable Engineers
  Association
Intel Corp.
Inteleos
Intelligent Transportation
  Society of America

InterDigital, Inc.
International Academy of
  Business and Financial
  Management
International Association
  for Continuing Education
  and Training
International Association
  for Six Sigma Certification
  LLC
International Association of
  Movers
International Biomedical
International Board of
  Standards
International Center for
  Integrative Systems Inc.
International Code Council
InterNational Committee for
  Information Technology
  Standards
International Dynamic
  Advisors, S.L.
InterNational Electrical
  Testing Association
International Facility
  Management Association
International Institute of
  Ammonia Refrigeration
International Kitchen Exhaust
  Cleaning Association
International Light
  Transportation Vehicle
  Association, Inc.
International Paper
International Safe Transit
  Association
International Safety
  Equipment Association
International Sanitary Supply
  Association
International Society of
  Arboriculture

International Society of
  Automation
International SOS
  Government Services, Inc.
International Staple Nail and
  Tool Association
International Window
  Cleaning Association
INTERPOL Washington
Interpower Corporation
Interstate Renewable Energy
  Council, Inc.
Intertek
IntraLinks
Investment Industry Regulatory
  Organization of Canada
Iowa DCI Crime Laboratory
IPC – Association Connecting
  Electronics Industries
iRobot Corporation
Irrigation Association
Islamic Society of North
  America
Itron, Inc.

J

J.C. Renfroe and Sons, Inc.
James Madison University
James McHugh Construction
  Co.
JBT Corporation
JEDEC Solid State
  Technology Association
Jenner and Block LLC
Jessup Manufacturing
  Company
JLG Industries
Johnson & Johnson
Johnson Controls -
  Automotive Experience
  Seating Business Unit
JOI Consulting Corp

Joint Committee on
Standards for Educational
Evaluation

K

K&S Associates, Inc.
Kaiser Permanente
Kavi Corporation
Keller and Heckman LLP
Keysight Technologies, Inc.
Kimberly Clark
Kinetico Incorporated
Kirk Key Interlock Company,
LLC
Kitchen Cabinet
Manufacturers Association
Klein Tools Inc.
Kloeckner Metals
Kloeckner Metals Corporation
Kohler Power Systems
Kreg Tool Company

L

The Label Printers
Laboratory Accreditation
Bureau
Lapp Insulators LLC
Laser Institute of America
Laticrete International, Inc.
Lear Corporation
LED Roadway Lighting Ltd.
Legg Mason Inc.
Legrand – Electrical Wiring
Systems
Leonardo Academy
LGI Forensic Engineering,
P.C.
Liberty Global Services B.V.
Liberty Mutual Group
Licensing Executives Society
USA and Canada

Liebherr Mining Equipment
Newport News Co.
Life Cycle Engineering, Inc.
Lifecore Biomedical
LipoScience, Inc.
Lockheed Martin
Logitech
Long Beach Police
Department
Looking Glass Systems, LLC
Loram Maintenance of Way,
Inc.
Los Angeles County Sheriffs
Department
The Lubrizol Corporation
Lumenpulse Lighting Inc.
Lutron Electronics Co. Inc.
Lymphology Association of
North America

M

The M Companies
MA Mortenson
Magna International
MagTek Inc.
Maine State Police Crime
Laboratory
Makita USA
ManageMen, Inc.
Mantenimiento and
Construcciones, S.A.
Manufacturers
Standardization Society
Mapei Corporation
Market Strategies International
Marketing Accountability
Foundation
Markit! Forestry Management
The Masonry Society
Master Craft Industrial
Equipment
Matheson Tri-Gas

Maximus Inc.
Maxitrol Co.
Mayo Clinic
Mazak Corporation
The McKiel Group
Meadwestvaco Corp.
Mechanical Power
Transmission Association
MedBiquitous Consortium
Medical Alert Monitoring
Association
Medical University of South
Carolina
MedImmune LLC
Mega Fortris Marketing, Inc.
Memorial Medical Center of
West Michigan
Mentor Graphics Corporation
Mercedes-Benz U.S. LLC
Merck Research Laboratories
Mercury Systems Inc.
Messer Construction Co.
MET Laboratories, Inc.
Metal Hose Manufacturing
Association
Metlsaw Systems Inc.
Metropolitan Government
Department of Public
Works, Nashville, TN
Mettler Toledo Inc.
MHI
Miami-Dade Police
Department – Forensic
Services Bureau
Micron Technology Inc.
Microsemi Analog Mixed
Signal
Microsoft
Millennium Challenge
Corporation
Miller Electric Mfg. Co.
Milliken and Company
Mine Safety Appliances Co.

Minnesota Housing
Minnesota State Colleges
and Universities
Mission Support Alliance, LLC
Missouri State Highway Patrol
Mitsubishi Polyester Film Inc.
Molex
Moody's Corporation
Motorola Mobility LLC
Mount Airey Group, Inc.
MSD Consumer Care, Inc.
MsysCertification
MTC Holding Corporation

N

NACE International
NASA Headquarters
NASDAQ
National Air Duct Cleaners
Association
National Archives and
Records Administration
National Association of
Architectural Metal
Manufacturers
National Association of
Manufacturers
National Association of State
Boating Law Administrators
National Board of Boiler and
Pressure Vessel Inspectors
National Board of Surgical
Technology and Surgical
Assisting
National Center for
Competency Testing
National Commission for
the Certification of Crane
Operators
National Consumers League
National Council of State
Boards of Nursing

National Council Prescription Drug Program

National Electrical Contractors Association

National Elevator Industry Inc.

National Emergency Number Association

National Environmental Balancing Bureau

National Fenestration Rating Council

National Fire Protection Association

National Fire Sprinkler Association

National Floor Safety Institute

National Fluid Power Association

National Grid

National Ground Water Association

National Information Standards Organization

National Institute for Metalworking Skills

National Marine Electronics Association

National Personal Protective Technology Lab – NIOSH

National Pork Producers Council

National Propane Gas Association

National Quality Assurance – U.S.A., Inc.

National Renewable Energy Laboratory

National Restaurant Association

National Ski Areas Association

National Trappers Association

National Waste and Recycling Association

The National Windshield Repair Association

NC Transaction Inc.

NCSL International

The NELAC Institute

NEMA – The Association of Electrical Equipment and Medical Imaging Manufacturers

Netflix

NETGEAR

NeuLion Inc.

Newell Rubbermaid

Newport Corporation

Niagara Industries Inc

Nidec Minster Corporation

Nike IHM

Nike, Inc.

NOCSAE

Nordstrom

North America Accreditation Body

North American Crossbow Federation

North American Electric Reliability Corporation

North American Energy Standards Board

North American Laminate Flooring Association

North American Security Products Organization

North Carolina Department of Labor

North Memorial Medical Center

Northstar/GFS – Financial Solutions Group

Northwestern University – Center for Technology and Innovation Management

NOTS Logistics, LLC

Novozymes North America

NPES – The Association for Suppliers of Printing, Publishing and Converting Technologies

NRG Energy

NSF International

Nuclear Energy Institute

Nuclear Information and Records Management Association

Nucor Corporation

Nuveen Investments Holdings, Inc.

NVIDIA Corporation

NW Natural

NYSE Euronext

O

OASIS

O'Brien and Gere

Ohio State University – Center on Educational Training for Employment

Oklahoma State University

Oksala Consulting, LLC

OmegaFlex, Inc.

Onesimus Defense LLC

Open Source Electronic Health Record Alliance, Inc.

Open Text Corporation

Optics and Electro-Optics Standards Council

Optum Health – A United Health Company

Oracle

Orbis Corporation

Oregon State Police Forensic Labs

Orion Standards, LLC

Orrick, Herrington and Sutcliffe

Orthofix

Oshkosh Corporation

Otsuka Pharmaceutical Development and Commercialization, Inc.

Outdoor Power Equipment Institute

P

P.I.P.E.

PACCAR

Pall Life Sciences

Panasonic Avionics

Parametric Technology Corp.

Parenteral Drug Association

Parkview Health System, Inc.

Particle Measuring Systems

Partners Healthcare System

The Partnership for Quality Medical Donations

PCI Security Standards Council

PCL Alverno

PCTEST Engineering Lab Inc.

Pearson VUE

Peerless Chain Company

Penford Products Company

People's United Bank

PEPCO

PepsiCo Inc.

PepsiCo – Texas

Personal Care Products Council

PFISTERER Ixosil AG

Pfizer Inc.

PG&E

Philips

Phoebe Putney Health System

Phoenix Contact Development and Manufacturing

Phoenix Police Crime Lab

Pierce College Library

Pilz Automation Safety LP

Pinnacle USA, Inc.

Pinova, Inc.

Pioneer Hi-Bred International, Inc.
Piping Engineering LLC
PJM Interconnection LLC
Plastic Pipe and Fittings Association
PMMI, The Association for Packaging and Processing Technologies
Polo Ralph Lauren
Portable Generator Manufacturers Association
Portable Lights American Trade Organization
Portable Sanitation Association International
Portland Cement Association
Portwest LLC
Powell Industries, Inc.
Power Tool Institute
PowerDMS, Inc.
PowerServices, Inc.
PPL Services Corporation
Precast/Prestressed Concrete Institute
Precision Measurements, Inc.
Presbyterian Healthcare Services
Presidio Networked Solutions
Price Waterhouse Coopers
PRIDE Industries
Prince Castle
Principle Info-Tech
PRN Ergonomic Service
Process Specialties, Inc.
Proco Products, Inc.
Procter and Gamble
Prodomax Automation Inc.
Professional Electrical Apparatus Recyclers League
Professional Examination Service

Professional Ropes Course Association
Professional Testing Inc.
Progressive Casualty Insurance Company
Project Management Institute
Prometric
Providence Health and Services
Pulama Lanai

Q

QEI Engineers, Inc.
QUALCOMM Incorporated
Qualitrol LLC
Quality Utility Equipment Service Testing
Quick Mount PV

R

R.P. Stone Consulting, Inc.
Radiological Society of North America
Ramona Research, Inc.
Rapid7 LLC
Raven Industries, Inc.
Raveneye
Raydon Corporation
RBG Inc.
Recreation Vehicle Industry Association
Recreational Off-Highway Vehicle Association
Recreational Scuba Training Council
Rehabilitation Engineering and Assistive Technology Society of North America
Remanufacturing Industries Council
Residential Energy Services Network, Inc.

Resilient Floor Covering Institute
Retractable Technologies, Inc.
Revere Electric Supply
Richland County Sheriff Department Forensic Lab
Ring Power
Risk and Insurance Management Society Inc.
RMS
Robotic Industries Association
Rockwell Automation
Rockwell Collins
Roka Sports, Inc.
Rolling Plains Memorial Hospital
Roofing Industry Alliance for Progress
Ross Engineering Corp.
Royal Truck and Equipment
The RSR Company
RSR Corporation
RTI International
Rubber Manufacturers Association
Russell Research

S

S & C Electric Company
SABIC Innovative Plastics U.S. LLC
SAC Wireless LLC
SAE International
Safe Ocean Service Inc.
Safety Equipment Institute
SAIC
San Diego Gas and Electric Company
San Francisco Public Utilities Commission
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San Jose State University

San Juan Regional Medical Center
SanDisk Corporation
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Sapa Extrusions Inc.
SAS Institute, Inc.
Satake USA
Scaffold and Access Industry Association
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Schlumberger
Schneider Electric
SCHOTT Gemtron, Inc.
Schweitzer Engineering Laboratories
Schweitzer-Maudit International, Inc.
Seagate Technology
Sechan Electronics, Inc.
Secured Packet, Inc.
Security Industry Association
SEI Investments Company
Sentry Insurance Company
SES – The Society for Standards Professionals
SEW-Eurodrive Inc
Sharf and Associates
Sheet Metal and Air Conditioning Contractors' National Association
Sheppard, Mullin, Richter and Hampton
Shire Human Genetic Therapies
ShoCard, Inc.
Shock Doctor Inc.
Showa Best Glove
SICK AG
Sidra Medical and Research Center
Siemens USA
The Siemon Company
Sierra-Cedar – Sierra Systems

Sigala Industrial and Mechanical Contracting
Silevo
Simon Institute
SimpleQuE Inc.
Singhal and Company, Inc.
SiteMaster
Skadden, Arps, Slate, Meagher and Flom LLP
Sky Airline S.A.
SlipNOT Metal Safety Flooring
Society for Human Resource Management
Society for Imaging Science and Technology
Society for Laboratory Automation and Screening
Society for Maintenance and Reliability Professionals Certifying Organization
The Society for Protective Coatings
Society for Technical Excellence
Society Insurance
Society of Allied Weight Engineers, Inc.
Society of Cable Telecommunications Engineers
Society of Motion Picture and Television Engineers
The Society of the Plastics Industry, Inc.
Sony Electronics Inc.
Southern Research Institute
Southwest Airlines
SpanSet Inc.
Spartanburg Regional Healthcare System
Specialty Coffee Association of America
Specialty Vehicle Institute of America

Spokane Teachers Credit Union
Sporting Arms and Ammunition Manufacturers Institute
Spraying Systems Co.
SPRI, Inc.
Spring Manufacturers Institute
Staatsolie Maatschappij
Stadler Rail AG
Standards Strategies, LLC
Stanley Black and Decker
Stanley Healthcare
State Auto
State Compensation Insurance Fund
State of California Prison Industry Authority
State of Connecticut – Divison of Scientific Services
State of Hawaii – Department of Labor and Industrial Relations
State of New Mexico – Intelligent Transportation Systems Bureau
State of Oregon
State of Tennessee
Steel Deck Institute, Inc.
Steel Door Institute
Steel Joist Institute
Steelcase Inc.
Sterigenics
STG Inc.
Stroz Friedberg LLC
Structural Building Components Association
Summers Manufacturing Company
Sun Hydraulics Corporation
Sunglass Association of America Inc.
Sunpower Corporation

Sunset Technology Inc.
Super Anchor Safety
Superior Industries International, Inc.
Sustainability Accounting Standards Board
Sustainable Electronics Recycling International
Sustainable Forestry Initiative, Inc.
Sustainable Management System Inc.
SVI International, Inc.
Swedish Medical Center
SWIFT Inc
Synaptronics
Synopsys Inc.
Systems Integration Specialists Company

T

T. Rowe Price
T.A.P.P.I.
Tala Tek LLC
Target Corporation
Taylor Machine Works, Inc.
TE Connectivity Ltd.
Telecommunications Industry Association
Teledyne MEC
TELUS
Temtco Steel
Texas Department of Insurance
Texas Instruments
Textile Care Allied Trades Association
Thermo Fisher Scientific
Thermon Manufacturing Co
Thomson Reuters – Techstreet
TiePoint-bkm Engineering
Tile Council of North America, Inc.

Time Manufacturing Co.
Timken Co.
Tire and Rim Association, Inc.
Titan Supply LP
TMEIC
Tobacco Science Research Conference
Torchmark Corp./United American Insurance Co.
Toro Co.
Toy Industry Association, Inc.
Toyota Engineering
Transcat, Inc.
Travelport LP
Tree Care Industry Association
Tricam Industries
Trijicon, Inc.
Trimble Navigation Ltd.
Tronox
Truss Plate Institute
TSI Incorporated
Tufts Associated Health Plans, Inc.
TUV Rheinland of North America Photovoltaic Testing Laboratory
TUV Rheinland SZ

U

UCB Inc.
Ultra Armoring LLC
Underwriters Laboratories Inc.
Unified Abrasives Manufacturers Association
UniGroup, Inc.
Unilife Medical Solutions, Inc.
Union Pacific Railroad
United Association of Journeymen and Apprentices of the Plumbing and Pipe Fitting Industry of the U.S. and Canada

United Network for Organ Sharing

United Services Automobile Association

United Technologies Corp.

Universal City Studios, LLC

Universal Electronics Inc.

Universal Quality Standards Registrar

University of Alabama Birmingham Hospital

University of California

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University of North Texas System

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University of Virginia

Unum Group

UP Systems Inc.

UPM Raflatac, Inc.

Urban Integrated, Inc.

Urschel Laboratories Inc.

U.S. Access Board

U.S. Centers for Disease Control and Prevention

U.S. Coast Guard D.C.

U.S. Consumer Product Safety Commission

U.S. Cutting Tool Institute

U.S. Department of Agriculture

U.S. Department of Agriculture – Agricultural Marketing Services

U.S. Department of Agriculture – Animal and Plant Health Inspection Service

U.S. Department of Commerce – National Institute of Standards and Technology

U.S. Department of Defense

U.S. Department of Energy – OITDC

U.S. Department of Homeland Security

U.S. Department of Homeland Security – Office of Emergency Communications

U.S. Department of Justice – Antitrust Division

U.S. Department of Justice – Bureau of Alcohol, Tobacco, Firearms and Explosives

U.S. Department of Justice – Federal Bureau of Investigation

U.S. Department of the Interior – U.S. Geological Survey

U.S. Department of Transportation – Maritime Administration

U.S. Department of Transportation – Research and Innovative Technology Administration

U.S. Department of Veterans Affairs

U.S. EMC Standards Corporation

U.S. Environmental Protection Agency

U.S. Federal Housing Finance Agency

U.S. Federal Trade Commission

U.S. Food and Drug Administration

U.S. Green Building Council

U.S. Millennium Challenge Corporation

U.S. Pharmacopeia

U.S. Postal Inspection Service – Forensic Laboratory Services

U.S. Securities and Exchange Commission

Utility Variable Generation Integration Group

V

Valley Logistics Supply, LLC

Valley View Corporation

Van Beest

Verify

Verizon Business

Verizon Communications

Vibration Institute

Virginia Department of Forensic Science

Virginia Department of Labor and Industry

VIS Engineering

The Vision Council

VMEBus International Trade Association

VMWare

VTM Group

W

W.T. Storey Inc.

Walgreen Co.

Walt Disney World – Worldwide Safety and Accessibility

Water Quality Association

Watson Pharmaceuticals

Webtrends

Wegmans Food Markets, Inc.

Weld Tooling Corp.

Wells Fargo Bank

Werner Co.

Western Governors University

Western Municipal Water District

WEXCO International Corp.

Whirlpool Corporation

Will-Burt Company

William Frick and Company

Wilson, Ihrig and Associates, Inc.

Window and Door Manufacturers Association

Window Covering Manufacturers Association

The Wonderful Company

Wood Machinery Manufacturers of America

Woodhead Software and Electronics

Woodworking Machinery Industry Association

The World Bank Group

World Millwork Alliance

World Wide Technology, Inc.

Wyndham Hotel Group

XYZ

Xaerus Performance Fluids Intl., Inc.

Xerox Corporation

Xilinx Inc.

Yamaha Motor Manufacturing Corporation of America

Young Living Essential Oils

Zeineddin

ZigBee Alliance

Zodiac Inflight Innovations

Zone Safe Solutions, Inc.

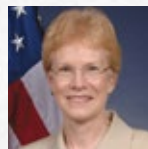ZPower, LLC

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- Government Relations Program
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Fourth Floor
New York, NY 10036
212.642.4900

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Together, standards and technical regulations impact up to 93% of global trade. Globally relevant standards and the conformance measures that ensure their effective use help to increase efficiency, open markets, and reduce costs. And ANSI is the U.S. leader in fostering that potential for the benefit of businesses across every industry and consumers around the world. ANSI is not itself a standards developing organization. Rather, the Institute oversees the development and use of thousands of standards and guidelines by accrediting the procedures of standards developers and approving their documents as American National Standards. As an accreditation body, the Institute assesses the competence of these organizations – as well as conformity assessment bodies in a variety of disciplines – in assuring marketplace trust and confidence that goods and services meet standards' requirements.

Representing the diverse interests of more than 125,000 companies and organizations and 3.5 million professionals, ANSI provides a neutral forum for collaboration between the private and public sectors. ANSI empowers organizations to strengthen their position in the global economy, while helping to assure the safety and health of consumers and the protection of the environment.