

# 2018-2019 ANNUAL REPORT

EXPANDING TO  
NEW HORIZONS



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# A LETTER FROM ANSI'S PRESIDENT & CEO

One of my most important roles as ANSI president and CEO is making the case to business leaders and policy makers around the world about the critical importance of standardization — that is to say, standards and conformity assessment. Standards are a building block for innovation, defining the requirements that enable myriad interconnected technologies and systems to work together safely and efficiently. And when it comes to responsive standards development that meets the needs of rapidly evolving sectors, ANSI strongly believes that the flexible U.S. model — with multiple paths to globally relevant standards development — is the most effective. It maximizes opportunities to drive innovation, responding to priorities and new technologies as they arise, and allowing stakeholders to find the solutions that best fit their needs, regardless of who developed them.



Examples of this type of flexible and responsive coordination can be seen in ANSI's standardization collaboratives. These are cross-sector coordinating bodies administered by ANSI, often in partnership with a government agency, industry group, or both, to accelerate the development of standards and conformance activities that address a national priority or facilitate the growth of an emerging industry. ANSI-led collaboratives have been addressing areas such as nanotechnology, energy efficiency, additive manufacturing, and unmanned aircraft systems (*read about our most recent work later in this report*). And we're always looking ahead to the next innovative area where a clear path forward for standardization work will make a broad impact.

A critical component of standardization is conformity assessment, which helps assure proper implementation of a standard. Conformity assessment is the flip side of the coin, bringing full currency to the value of standardization. So it's a key priority for ANSI to support and strengthen the conformity assessment activities that go hand-in-hand with effective and responsive standards. With the full

acquisition in late 2018 of the ANSI National Accreditation Board (ANAB) as a wholly-owned subsidiary of ANSI, we are now in an even greater position to do that.

Integration work between ANSI's previously held accreditation services programs and the newly acquired ANAB programs under a unified ANAB brand — now the largest accreditation body in North America — is well underway, and we expect the increased efficiencies and growth to continue for the benefit of our clients and constituents. The ANAB accreditation portfolio spans programs for management systems certification bodies, calibration and testing labs, product and systems certification bodies, personnel credentialing organizations, forensic test and calibration service providers, inspection bodies, police crime units, greenhouse gas validation and verification bodies, reference material producers, and proficiency test providers. As industries evolve and new areas of activity continually emerge, we expect to respond with the relevant conformity assessment solutions that meet those needs.

To support this growth across both ANSI and ANAB, we are investing in our IT infrastructure and systems to assess and deploy the best available technology to drive innovation forward. Throughout this transformative process, we'll be working in close collaboration with our governance, leadership, and staff, and looking to our members and constituents for valuable input and insights. We expect to evolve technologically in tandem with our organizational growth, and to serve our customers and stakeholders with even more impactful standards- and conformity assessment-based activities and solutions.

I'd like to thank our dedicated chairman, Russ Chaney, and the entire exceptional team of Board officers and Board members for leading us through this era of transformation and growth. And a tremendous thank you to all of you — our members, volunteers, and contributors — who dedicate energy, time, and expertise to help ensure ANSI remains a strong and effective steward for the U.S. voluntary standardization system.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Bhatia". The signature is fluid and cursive.

Joe Bhatia

# A LETTER FROM THE CHAIR OF THE BOARD

As I begin my third year as Board chairman, I'm very proud to report on an activity we've accomplished this year that will strengthen ANSI's ability to respond to members' needs while retaining neutrality, fairness, and strong strategic oversight: a comprehensive review and approval of key updates to the ANSI governance structure and By-Laws.



Much has changed in the standards and conformity assessment world since the last substantial review of ANSI's By-Laws in 2002. The New York Not-for-Profit Law, which controls ANSI's governance and operations, underwent revision. In 2018, ANSI completed an acquisition resulting in full ownership of the ANSI National Accreditation Board (ANAB). Additionally, a number of ANSI members independently encouraged a review of the By-Laws.

For these and other reasons, a governance advisory task group was formed to determine if there were opportunities to update the By-Laws to more effectively serve the needs of ANSI's members and constituents across the standardization community. Following a multi-stage assessment process that included careful consideration of input from ANSI's members, the revised By-Laws were approved by the ANSI Board of Directors in June 2019, and go into effect on January 1, 2020.

The changes are designed to reduce or eliminate ambiguity and redundancy, better align the document with current practices, simplify the governance structure, and establish a more robust and effective code of conduct. Specifically, the more significant revisions are intended to:

- clarify the roles and responsibilities of what are now called the four "Committees of ANSI" (the Executive Standards Council, Board of Standards Review, ANSI ISO Council, and USNC Council), and underscore that members of these Committees, since they make decisions on behalf of ANSI, are fiduciaries of ANSI and are subject to Conflict of Interest requirements;

- simplify and flatten ANSI's organizational structure, with all four Committees of ANSI reporting directly to the ANSI Executive Committee;
- clarify that Policy Committees, now called Policy Advisory Groups (PAGs), are advisory in nature and that their members are not fiduciaries, but help develop ANSI policy positions on international, national, and intellectual-property-related issues; and
- establish a comprehensive Code of Conduct, to replace the former Code of Ethics, that provides broad guidance for ANSI volunteers.

We believe these modifications will continue to protect the integrity of ANSI's decision-making and further enhance our ability to serve the needs of the U.S. standards and conformity assessment communities. I'm very pleased to have played a role in bringing this to fruition. Sincere thanks are due to the group of volunteer leaders and contributors from across the ANSI community whose insights and active engagement enabled this key progress.

From my fellow Board officers and directors and the governance task group leading the effort, to the members and individual commenters sharing their perspectives and insight, to the ANSI staff providing critical support, it is this type of broad collaboration and cooperation that drives our success — in this important governance activity and in everything ANSI does to strengthen and protect the voluntary standardization community.

Thank you all for your continued support.

Sincerely,

A handwritten signature in black ink that reads "Russ Chaney".

GP Russ Chaney

# ABOUT ANSI

The American National Standards Institute (ANSI) is a private, non-profit organization that administers and coordinates the U.S. voluntary standards and conformity assessment system. Founded in 1918, the Institute works in close collaboration with stakeholders from industry and government to identify and develop standards- and conformance-based solutions to national and global priorities.

Together, standards and technical regulations impact up to 93% of global trade. Globally relevant standards and the conformance measures that assure their effective use help to increase efficiency, open markets, engender consumer confidence, and reduce costs. ANSI is also 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. Through its wholly owned subsidiary, the ANSI National Accreditation Board (ANAB), the Institute assesses the competence of conformity assessment bodies in a variety of disciplines, assuring marketplace trust and confidence that goods and services meet standards' requirements.

Representing the diverse interests of more than 270,000 companies and organizations and 30 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.

## WE...

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

**Approve standards as American National Standards (ANS)** and safeguard the integrity and value of the ANS designation by requiring ANSI-accredited standards developers to implement procedures that promote openness, balance, due process, consensus, and lack of dominance for all directly and materially affected interests.

**Are 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.

**Accredit** standards developers and U.S. Technical Advisory Groups to ISO. Additionally, the ANSI National Accreditation Board, ANSI's wholly-owned subsidiary, provides accreditation services related to management systems certification bodies, calibration and testing labs, product and systems certification bodies, personnel credentialing organizations, forensic test and calibration service providers, inspection bodies, police crime units, greenhouse gas validation and verification bodies, reference material producers, and proficiency test providers.

**Provide a means** for assessing the need for new standardization activities and promote the fulfillment of identified needs through voluntary consensus standards development and conformity assessment solutions.

**Interface with government** on standards and conformity assessment issues, including those related to technology, health, safety, and the environment; and global market access and technical barriers to trade.

### HEADQUARTERS

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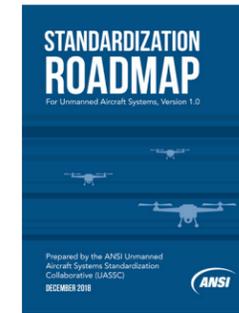
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# ENHANCE U.S. COMPETITIVENESS AND INNOVATION THROUGH STANDARDS AND CONFORMANCE

Private-sector-led standardization solutions respond to national needs, fuel growth, and support public health and safety. Whether through new collaboratives, timely cross-sector events, or other activities, ANSI works to leverage the collective power of the voluntary standardization community to achieve these goals.

## UNMANNED AIRCRAFT SYSTEMS



As autonomous vehicles such as drones and driverless cars increasingly enter the U.S. transportation system, collaborative standards and conformity assessment activities are critical to driving safety, performance, innovation, and business competitiveness. In December 2018, ANSI's Unmanned Aircraft Systems Standardization Collaborative (UASSC) published the *Standardization Roadmap for Unmanned Aircraft Systems (Version 1.0)*, developed collaboratively by 175 public- and private-sector organizations.

The roadmap identified the standardization gaps that need to be addressed to facilitate the safe integration of unmanned aircraft systems into the national airspace system. Following a very positive reception, in September 2019 the UASSC kicked off work on an update to the roadmap with support from the Federal Aviation Administration, the U.S. Department of Homeland Security's Science and Technology Directorate, ASTM International, and others. Expected to be published in June 2020, Version 2.0 will include a progress report and further recommendations for the UAS standardization landscape.

## ADDITIVE MANUFACTURING



To accelerate the development of standards and conformance solutions for 3-D-printing, the America Makes and ANSI Additive Manufacturing Standardization Collaborative (AMSC) partnered with more than 170 public- and private-sector partners to develop the *Standardization Roadmap for Additive Manufacturing* and a follow-up Version 2.0 in 2018.

The roadmaps identify existing standards, assess gaps, and make recommendations for priority areas where additional standardization is needed to advance the technology. In 2019, ANSI undertook efforts to widely promote the AMSC roadmap at premier industry events and to create an online tool to measure progress to address the roadmap gaps.



ANSI's World Standards Week 2018 focused on concrete applications for two of the most transformative technologies propelling advancements today: blockchain and artificial intelligence.

## ON THE HORIZON – IDENTIFYING RESPONSIVE STANDARDIZATION SOLUTIONS AHEAD

It is our continual priority to respond to the needs of our constituents and the nation, and to facilitate coordination in emerging areas. Through our Services Sector Initiative and other outreach, ANSI continues to assess the need for partnerships and new or enhanced standardization activities in industries such as artificial intelligence, the Internet of things (IoT), automation systems, data privacy, and more.

# 7 MILLION

DRONES ARE EXPECTED TO BE IN THE U.S. BY 2020.

Source: Federal Aviation Administration

THE NUMBER OF INTERNET-ENABLED DEVICES—AS IN THE INTERNET OF THINGS—IS EXPECTED TO GROW FIVE-FOLD, TO

# 25 BILLION

WORLDWIDE BY 2025.

Source: GSMA, The Mobile Economy 2018

SINCE 1990, EMPLOYMENT OPPORTUNITIES IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH HAVE GROWN

# 79%

Source: U.S. Bureau of Labor Statistics, 2017



# SERVE AS A BRIDGE BETWEEN PUBLIC-SECTOR POLICIES AND PRIVATE-SECTOR SOLUTIONS

As coordinator of the U.S. voluntary consensus standardization system, ANSI fosters partnerships and initiatives to support public policy and promote the health and safety of U.S. citizens. We continually strive to create new opportunities for cooperation, collaboration, and communication between the private-sector standards community and government agencies to achieve these goals.

## **REAFFIRMING THE STRENGTH OF THE PUBLIC-PRIVATE PARTNERSHIP**

In April 2019, ANSI's president and CEO and the NIST director and under secretary of commerce for standards and technology signed a new Memorandum of Understanding reaffirming the need for a coordinated national approach to support the development of the best possible standards, as reflected in the *United States Standards Strategy*.

The memorandum:

- outlines both ANSI's and NIST's important responsibilities in standardization,
- recognizes the value of this key public-private partnership, and
- confirms ANSI's coordinating role in the U.S. standardization system.

## **ADVANCING PUBLIC HEALTH AND SAFETY**

### **DIETARY SUPPLEMENTS**

In May 2019, cross-sector stakeholders came together for the second of two meetings coordinated by ANSI to advance safety, quality, and trust in dietary supplements through standardization as an adjunct to the regulatory framework. The discussions culminated in agreement on guidance principles of cooperation to move the industry forward, focusing on how standardization can:

- help build consumer confidence in dietary supplements,
- support trust in the supply chain, and
- ensure the safety, quality, and integrity of products and ingredients.

As one example of the public-private partnership in action, in July 2019 ANSI and NIST co-hosted the Capitol Hill event, “Codes and Standards—Protecting America’s Energy Infrastructure and the Built Environment.” Numerous code and standards organizations engaged with congressional staff, highlighting the role of codes and standards in protecting the nation’s expansive infrastructure and emphasizing the importance of government participation and support.



## **CANNABIS AND CANNABIS-DERIVED PRODUCTS**

The cannabis market is complex and growing, prompting the need for effective voluntary standards and conformity assessment activities to support health, safety, environmental protection, and supply chain quality.

In support of our mission to enhance public health and safety, ANSI and its subsidiary, the ANSI National Accreditation Board (ANAB), announced an intent to strengthen, reinforce, and expand accreditation activities in areas relating to cannabis and cannabis-related products to help move the industry forward safely, while strictly complying with all applicable Federal and State laws. In keeping with legal guidelines adopted by the ANSI Executive Committee of the Board of Directors in July 2019:

- ANSI will accredit qualifying standards developing organizations (SDOs) and approve SDOs’ cannabis-related standards that qualify as American National Standards (ANS).
- ANAB, which has provided accreditation offerings for cannabis-related products since 2014, will build upon its significant technical experience, accrediting qualifying certification bodies, testing laboratories, proficiency test providers, and the like.

## ADVOCATING FOR PRIVATE-SECTOR STANDARDS AND CONFORMITY ASSESSMENT SOLUTIONS

### ARTIFICIAL INTELLIGENCE

With input from the ANSI community, the Institute submitted a formal response to NIST highlighting current activities, plans, challenges, and opportunities related to artificial intelligence (AI) standardization. The effort was undertaken in response to NIST's request for information on priority areas for federal involvement in AI standards-related activities, which stemmed from an Executive Order on maintaining U.S. leadership in AI.

As an outcome, NIST released a plan in 2019, *U.S. Leadership in AI: A Plan for Federal Engagement in Developing Technical Standards and Related Tools*, acknowledging the importance of technical standards and their development.

To coordinate public and private sector interests in creating a common standards framework, ANSI offered to partner with NIST on an AI standards collaborative, leveraging each organization's convening capabilities. ANSI stands ready to offer assistance in engaging U.S.-based standards developers, including ANSI-accredited developers and those groups or individuals working on behalf of the United States through ISO and IEC technical advisory groups (TAGs), to advance U.S. standardization and conformance goals in the area of AI.

### ADDITIONALLY...

Thanks to the collective input from members and constituents, ANSI also provided coordinated responses to:

- The **U.S. Food and Drug Administration (FDA) Center for Drug Evaluation and Research (CDER)**, supporting a proposed program for informal recognition of voluntary consensus standards related to pharmaceutical quality.
- The **U.S. Environmental Protection Agency (EPA)**, supporting a proposed commercial paint and coating removal training and certification program and recommending that the EPA program include specific requirements for training and certification bodies.

By 2021, spending on AI technologies is projected to grow to \$52.2 billion, providing strong economic growth opportunities.

*Source: IDC*

# ANSI MEMBERSHIP

# 1275 TOTAL MEMBERS

790 COMPANY

350 ORGANIZATION

71 GOVERNMENT

41 INTERNATIONAL

23 EDUCATIONAL



# ASSERT U.S. LEADERSHIP ROLE IN THE REGIONAL AND INTERNATIONAL STANDARDIZATION COMMUNITY

Strong and effective U.S. leadership in international technical activities is an ongoing priority for ANSI. Both at the policy and technical levels, it is important that the U.S. demonstrate its continued commitment to the development of globally relevant standards that are responsive to marketplace needs.

Over the course of 2019, a number of new work proposals were advanced within ISO covering a broad array of topics, including the sharing economy, circular economy, and sustainable finance. To encourage active U.S. engagement in these vital activities, ANSI embarked upon a focused outreach effort to affected U.S. stakeholders to gather comments on the proposals and identify interested parties to populate U.S. Technical Advisory Groups (TAGs) and serve as TAG administrators. ANSI also expanded education and training offerings for U.S. TAG leaders in ISO and IEC so they can be even more effective contributors in international standardization.

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**TECHNICAL ENGAGEMENT FUELS  
INTERNATIONAL STANDARDIZATION  
AND POLICY LEADERSHIP DRIVES  
ITS STRATEGIC DIRECTION. ANSI  
CONTINUALLY STRIVES TO LEVERAGE  
AND EXPAND U.S. INFLUENCE GLOBALLY  
IN BOTH AREAS.**

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Through the work of ANSI and its members, the U.S. currently participates in:

**MORE THAN 78% OF ISO  
TECHNICAL COMMITTEES (TC)  
AND SUBCOMMITTEES (SC),  
AND ADMINISTERS 14% OF  
SECRETARIATS.**

**MORE THAN 92% OF  
IEC TCS AND SCS, AND  
ADMINISTERS 13% OF TC  
AND SC SECRETARIATS,  
THROUGH THE USNC.**

# ISO LEADERSHIP

**580 P-MEMBERSHIPS**

**232 TECHNICAL ADVISORY GROUPS**

**32 U.S.-ADMINISTERED TC SECRETARIATS**

**72 U.S.-ADMINISTERED SC SECRETARIATS**

**103 U.S.-HELD CHAIRS**

# IEC LEADERSHIP

**171 P-MEMBERSHIPS**

**171 TAG ADMINIS**

**26 IEC SECRETARIATS**

**28 U.S.-HELD CHAIRS**

One example of expansive U.S. leadership is ISO/IEC Joint Technical Committee (JTC) 1 on Information Technology. With the U.S. as chair and ANSI as secretariat, ISO/IEC JTC 1 has direct responsibility for the development of more than 3,000 published ISO/IEC standards since its formation over three decades ago.

JTC 1 continues to increase its impact on global industry in transformative areas such as artificial intelligence, Big Data, and the Internet of Things (IoT).

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In IEC, the U.S. National Committee (USNC), a committee of ANSI, was approved by the IEC Standardization Management Board to take on the IEC Secretariat role for the recently established IEC Systems Committee (SyC) on Smart Manufacturing, marking the first time a national committee has been approved for an IEC SyC leadership role.

This systems committee is working to provide coordination and guidance to harmonize and advance smart manufacturing activities across IEC, other standards developing organizations, and consortia.

ANSI's work accrediting and administering U.S. TAGs to ISO committees, and approving USNC TAGs in IEC, is fundamental to ensuring U.S. expertise and interests have a strong voice in international standardization. This year the ANSI-administered U.S. TAG to TC 229, *Nanotechnologies*, approved for publication the first international standard from Joint Working Group (JWG) 2, *Measurement and Characterization*, entitled *Nanotechnologies - Measurements of particle size and shape distributions by transmission electron microscopy*. This document is viewed as critically important for characterization of nanoparticles for commercial and regulatory purposes by international organizations including the Organization for Economic Cooperative Development (OECD) and the European Committee on Standardization (CEN).

## SUPPORTING REGIONAL AND BILATERAL TRADE AND DEVELOPMENT AROUND THE GLOBE

ANSI is recognized by both public- and private-sector entities as a strong and effective partner in coordinating standards-based activities that support regional and bilateral trade and development all over the world. Our continual priority is to enhance the reach and scope of international development programs, foster new partnerships, and increase engagement opportunities for industry and government.

Through ANSI's public-private partnership with the **U.S. Trade Development Agency (USTDA)**:



### The U.S.-Africa Clean Energy Standards Program (CESP)

provided opportunities for industry and government representatives from the U.S. and sub-Saharan Africa to cooperate on issues relating to standards, conformity assessment, and technical regulations for clean energy technologies. CESP is currently in its final program year, and has carried out 8 workshops to date in partnership with Power Africa.



### The U.S.-Africa Information and Communications Technology Standards Program (ICTSP)

is a new program launched in August 2019 to coordinate technical workshops for government and industry in sub-Saharan Africa to encourage decision makers to develop and implement standards, testing protocols, and regulatory procedures in a range of ICT subject areas.



### The U.S.-India Standards and Conformance Cooperation Program (SCCP) Phase II

convened workshops in India on topics such as green building innovations, data center efficiency, and smart and sustainable cities, which saw robust participation and sponsorship from industry groups and government agencies.



### The U.S.-China Standards and Conformance Cooperation Program

carried out workshops addressing medical technology; cold chain supply; and carbon capture, utilization, and storage, with participation from multiple government agencies, industry groups, and 25 private-sector companies.

Through a public-private partnership with the **U.S. Agency for International Development (USAID)**:



ANSI carried out activities across six countries in 2019 involving strong participation from ANSI members, industry, and U.S. and African government agencies — all with the goal of supporting a more resilient and sustainable partnership between the U.S. and African countries.

## BUILDING RELATIONSHIPS WITH NEW AND EMERGING TRADING PARTNERS

In addition to its many long-standing relationships with standards bodies and governmental entities around the globe, ANSI's regional and bilateral engagement includes strengthening relationships with new and emerging trading partners.

In 2019 ANSI and seven member organizations led the first-ever standards trade mission to Saudi Arabia and the United Arab Emirates, certified by the U.S. Department of Commerce International Trade Administration. The mission focused on building engagement and opportunities for increased cooperation with the Gulf Cooperation Council Standardization Organization (GSO), its members' national standards bodies, and regional stakeholders. As a result of the trade mission, in September ANSI and the GSO signed an action plan for cooperation under a Memorandum of Understanding, and several of the participating organizations have deepened their relationships with GSO and its members.

Given the importance and complexity of U.S. trade with China, ANSI and the co-chairs of the U.S.-China Congressional Working Group on China held talks about the significance of standards and conformity assessment to the U.S.-China bilateral relationship. Here at home, a delegation led by the Secretary-General of the China Certification and Accreditation Association visited ANSI to discuss potential areas for collaboration on standards and accreditation. ANSI's president and CEO continues to serve as one of seven foreign advisors to China's Standardization Expert Committee.



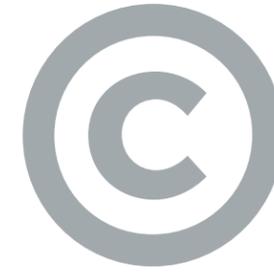
The pilot unit of the Janicki Omni Processor has been operational in Dakar, Senegal since 2015.

More than 35% of the world's population lacks access to adequate sanitation systems, resulting in wastewater crop irrigation that risks the health of nearly one billion people. Since 2017, ANSI has administered the Secretariat of ISO Project Committee (PC) 318, *Community scale resource oriented sanitation treatment systems*, in a twinning relationship with ASN (Senegal). PC 318 is hard at work on ISO 31800, expected in 2020, which will enhance efforts and drive opportunities to widely manufacture, market, and deploy the technology while improving health and safety for millions.

Following the 2018 publication of ISO 30500 — the first international standard for reinvented toilets that remove pathogens and do not require traditional sewer, water, or electrical infrastructure — ANSI is promoting national recognition and implementation of ISO 30500 in China, South Asia, and Africa, where it has the potential to help save millions of lives. ANSI is also working to make the standard widely available, and fostering opportunities for U.S. companies to get involved.

# SUPPORT AND PROTECT THE STANDARDS ECONOMY- SYSTEM

Among the Institute's most important priorities is promoting the U.S. voluntary standardization system, protecting its integrity, and facilitating collaborative solutions to common challenges.



## PROTECTING COPYRIGHT OF STANDARDS

The issue of copyright protection remains a top priority for the private-sector standards community, and ANSI is actively engaged in efforts to defend the copyright of standards on multiple fronts.

In addition to the work of the ANSI Copyright Task Group, the Institute has undertaken a number of initiatives this year, such as teaming up with members of the codes and standards community to hold a series of strategic talks with Capitol Hill staff.

Additionally, ANSI and a number of standards developing organizations jointly filed an *amicus* brief in the U.S. Supreme Court under *State of Georgia v. Public.Resource.Org*. The brief presents many compelling arguments for why standards that are incorporated by reference into the federal code should still retain their copyright status — an issue of great importance to the standards developing community.

ANSI continues to identify all opportunities to explain the role of standards developing organizations and the far-reaching benefits of their work to industry, the public, government, and U.S. competitiveness at large.



## ENHANCING ORGANIZATIONAL EFFECTIVENESS TO BETTER SERVE THE STANDARDIZATION COMMUNITY

Driven by a Board task group representing various constituencies — and taking into consideration input from members, ANSI's Board of Directors approved revisions to ANSI's By-Laws (see *"A Letter from the Chair of the Board"* for details). The revised By-Laws, which will become fully effective in January 2020, are intended to, among other things:

- further enhance the Institute's ability to serve the needs of the U.S. standards and conformity assessment communities, and
- simplify the Institute's organizational structure and increase its effectiveness.

ANSI extends its thanks to its governance leadership and members who provided input.

## **PROMOTING AWARENESS OF THE VALUE OF THE ANS DESIGNATION**

A key component of the private-sector-led standardization system is the American National Standards (ANS) process. ANSI's many checks and balances – including impartial audits, accreditation requirements, and a multi-level appeals process – underpin the integrity of the ANS process and safeguard the value of the ANS designation. To promote greater awareness of the value of the ANS designation and support the efforts of ANSI-accredited standards developers, the Institute has developed new and enhanced educational offerings, including interactive classes and webinar-based training. More than 700 registrants are expected to attend one or more of these sessions during 2019.



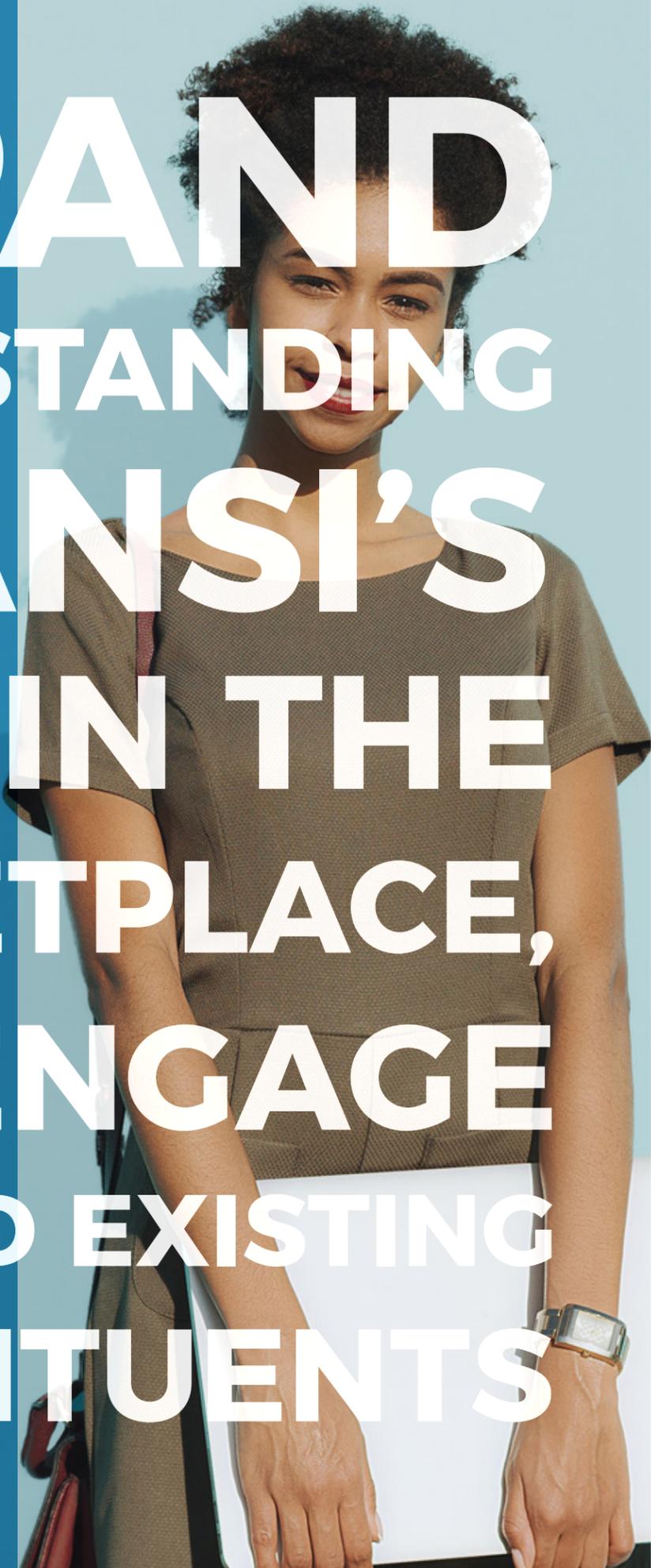
# 13,136

## APPROVED AMERICAN NATIONAL STANDARDS

# 240

## ANSI-ACCREDITED STANDARDS DEVELOPERS

# EXPAND UNDERSTANDING OF ANSI'S ROLE IN THE MARKETPLACE, AND ENGAGE NEW AND EXISTING CONSTITUENTS



From industry and government, to consumers, academia, and the next generation of standards professionals, ANSI works to educate and empower constituents to harness the power of standards-based solutions.

## COMMUNICATING THE STANDARDIZATION COMMUNITY'S IMPACT: YESTERDAY, TODAY, AND TOMORROW



In recognition of the ANSI Federation's first century of success, and to broadly communicate the standardization community's tremendous impact on American industries and economic growth, ANSI published *Advancing U.S. Industry and Competitiveness for 100 Years and the Innovative Future Ahead* in late 2018. The report illustrated standardization initiatives that drove innovation and quality of life over the last century and looked ahead to the next wave of transformative technologies to come.

## ENGAGING THE NEXT GENERATION OF STANDARDS PROFESSIONALS

Among other efforts to raise the visibility of standards and conformity assessment with academia, students, and emerging professionals, ANSI and NIST are co-hosting an event in November 2019, *Fostering Partnerships to Integrate Standards into College Curriculum in the U.S.*

Participants from industry, the standards community, and academia will take a look at the standards-related work of several institutions of higher education in an effort to identify next steps towards better preparing students and young professionals for standards-related careers.

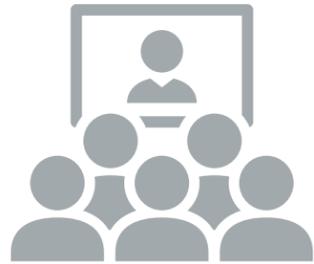
That same week, the USNC is also hosting a Young and Emerging Professionals Summit, welcoming new professionals interested in the development of standards in the digital age for discussions with standards experts on topics such as cybersecurity, the future of standards, and globalization.



## INCREASING CONSUMER OUTREACH

Consumers are among the most important stakeholders of standards, yet they are often underrepresented in standards development activities. To foster greater participation, ANSI has prioritized outreach to this important group, recently adding a dedicated consumer outreach manager to staff who will work to increase visibility of consumer-related programs and opportunities. Recent outcomes include:

- collaborating with ANSI-accredited standards developers and U.S. technical advisory group (TAG) administrators to broaden consumer representation in relevant standards activities, and
- enhancing visibility and access to relevant programs through updated website and social media content.



## GROWING AWARENESS OF THE BENEFITS OF ANSI MEMBERSHIP

As a membership organization, it is ANSI's priority to continually enhance our services and provide a broad range of valuable activities and engagement vehicles. On the first Friday of every month, ANSI offers a complimentary webinar to help participants tap into the full advantages of membership to:

- network with counterparts across industry sectors,
- share insights on challenges, priorities, and technological advancements,
- gain access to new markets, and
- discover the latest industry trends to stay ahead of the competition.

# WORKSHOPS AND TRAININGS

Throughout the year, ANSI and ANAB sponsor a number of workshops and trainings to grow awareness of standardization and conformity assessment.

Wide-ranging audiences engaged in a variety of activities:

**1628** Accreditation workshop attendees

**+700** American National Standard (ANS) training attendees

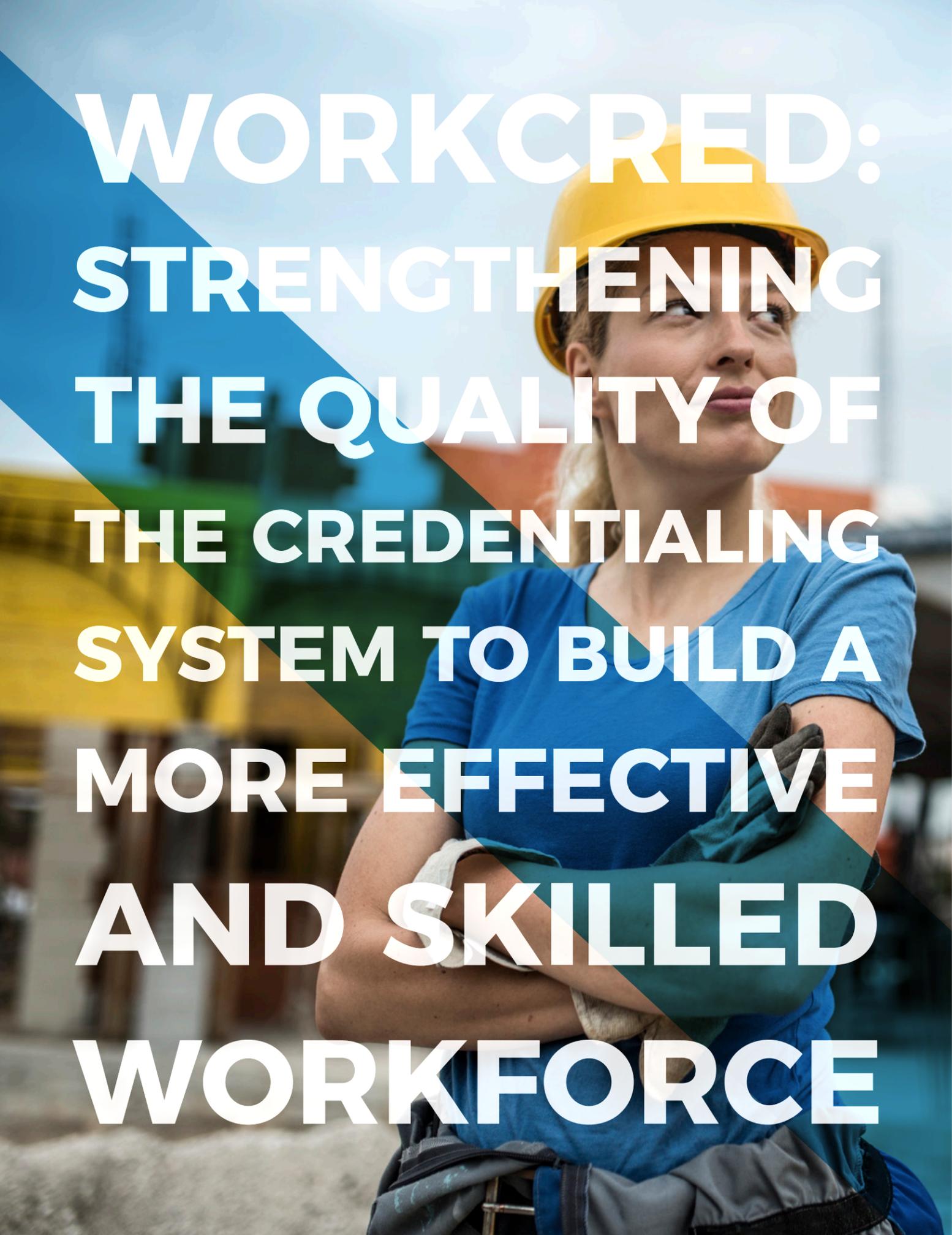
**363** World Standards Week 2018 attendees

**283** Assessor Development Training attendees

**2241** International development workshop attendees

**118** Dietary Supplement Standardization Coordination attendees

**119** UASSC Plenary attendees



# WORKCRED: STRENGTHENING THE QUALITY OF THE CREDENTIALING SYSTEM TO BUILD A MORE EFFECTIVE AND SKILLED WORKFORCE

In 2019, Workcred, an affiliate of ANSI, marked its fifth year of successful efforts to strengthen workforce quality by improving the credentialing system.

## **CONNECTING CERTIFICATIONS WITH FOUR-YEAR DEGREES**

Workcred joined forces with the Association of Public and Land-grant Universities (APLU) and the University Professional and Continuing Education Association (UPCEA), under a Lumina Foundation grant, to facilitate coordination between universities and certification bodies to bolster student success and career outcomes.

In a series of national convenings, Workcred, APLU, and UPCEA are bringing certification bodies and universities together to identify opportunities to:

- give academic credit for earning a certification,
- embed certifications within four-year degree programs, and
- align curriculum with the competencies in the certification exam content.

Workcred and its partners will summarize the key findings and themes from the convenings in a framework that can be used for future pilot programs to test strategies and practices.

## **PREPARING THE NEXT GENERATION OF MANAGEMENT SYSTEMS AUDITORS**

In a major advancement for management systems auditors and the businesses that rely on them to ensure the continuous improvement of their companies, the U.S. Department of Labor officially recognized the first-ever national apprenticeship program for management systems auditors in March 2019. Created through a collaboration between Workcred and the Independent Association of Accredited Registrars (IAAR), the program will train and prepare the next generation of talent to audit organization-wide management systems in industries as diverse as aerospace, manufacturing, health care, food processing, and more.

## WORKCRED VIDEO

A new video released this year illustrates some of the challenges that employers, credentialing organizations, and education and training providers face as new types of credentials enter the market, and how Workcred is focused on connecting and educating stakeholders to create a more integrated and effective credentialing system.



## EXAMINING CREDENTIALING ISSUES THROUGH RESEARCH

Building upon the findings of its 2018 manufacturing research report, *Examining the Quality, Market Value, and Effectiveness of Manufacturing Credentials in the United States*, which was funded by the U.S. Department of Commerce's National Institute of Standards and Technology (NIST) Hollings Manufacturing Extension Partnership (MEP), Workcred is launching a new study to evaluate the return on investment of existing manufacturing credentials. Supported by a new NIST MEP award, the two-year study will provide a better understanding of how credentials can serve as an important resource in identifying skilled workers.

Workcred is currently conducting research sponsored by AARP to explore credentialing needs and opportunities for older (age 50+) workers. Specifically, the research explores which credentials are most useful for older workers interested in rejoining the labor force, with an emphasis on non-degree credentials; how these workers identify credentials that may be suitable for their professional goals; what barriers may exist; and how credentialing organizations can meet the needs of these individuals.

To expand its ability to achieve these and other research goals, in September 2019 Workcred welcomed a new director of research.

## IMPROVING UNDERSTANDING OF THE VALUE OF NON-DEGREE CREDENTIALS THROUGH DATA SHARING

Under a new grant from Lumina Foundation, Workcred will identify and engage 25-30 credentialing bodies in discussions around the value of sharing their data, so that information about non-degree credentials can be better understood. Through the network, Workcred aims to encourage credentialing bodies to share data so that stakeholders can make informed choices about the return on investment of non-degree credentials:

- educational institutions can use this data to expand and improve education programs,
- employers can use the information to identify high-performing programs and quality sources of talent to improve hiring and training decisions, and
- students can use the data to help make informed decisions about what credentials to earn and where to obtain them.



# ANAB: THE LARGEST MULTIDISCIPLINARY ACCREDITATION BODY IN NORTH AMERICA

The ANSI National Accreditation Board (ANAB), fully acquired as a wholly owned subsidiary of ANSI in December 2018, is now the largest provider of accreditation services in the U.S. and among the largest worldwide, recognized by the International Laboratory Accreditation Cooperation (ILAC) and the International Accreditation Forum (IAF). With this tremendous growth comes additional opportunities and responsibility to bolster consumer confidence in the global supply chain.

## EXPANDING RECOGNITION AND ACTIVITIES

In addition to becoming a signatory to the IAF Multilateral Recognition Arrangement for Persons (ISO/IEC 17024) in 2019, the ANSI National Accreditation Board expanded its international recognition status by adding ISO 15189 for medical testing laboratories under the ILAC Mutual Recognition Arrangement, and ISO 50001 for energy management systems under the InterAmerican Accreditation Cooperation Multilateral Recognition Arrangement.

Among other recent achievements, the ANSI National Accreditation Board:

- earned recognition from the U.S. Food and Drug Administration as an accreditation body under their rules for the Food Safety Modernization Act,
- issued its first accreditations in environmental technology verification,
- announced plans to develop a program to accredit third-party validation services for the Carbon Offsetting and Reduction Scheme for International Aviation, and
- will expand accreditation offerings for cannabis-related products, accrediting qualifying certification bodies, testing laboratories, proficiency test providers, and the like, in keeping with the legal guidelines adopted by the ANSI Executive Committee of the Board of Directors in July 2019.

## ACCREDITATION SERVICES HELP TO:

- increase confidence, productivity, and global competitiveness for U.S. industry,
- facilitate global market opportunities, and
- increase efficiencies.



## PROVIDING A USEFUL TOOL FOR GOVERNMENT

Federal, state, and local authorities rely on the ANSI National Accreditation Board to demonstrate value and assure competency in a number of areas.

This recognition grew in 2019:

- Hawaii's Department of Health joined New Mexico, California, Illinois, Arizona, West Virginia, and Texas, as well as numerous local jurisdictions, in recognizing food handler training certificate programs accredited under the certificate accreditation program.
- The certificate accreditation program received U.S. Department of Homeland Security recognition for all training courses offered by its Office for Bombing Prevention.
- New Mexico recognized certification bodies accredited by the ANSI National Accreditation Board for new fire safety testing and inspection requirements.



## EDUCATING LEGISLATORS ABOUT THE VALUE OF VOLUNTARY CERTIFICATION

To monitor and identify those instances in which legislation will prohibit, limit, or otherwise negatively impact voluntary certification, the ANSI National Accreditation Board created a State Legislation Task Force, which will develop a white paper to educate legislators about the value of voluntary certification, how it differs from occupational licensure, and its positive impact on the workforce and the economy.

## CREDENTIALING PROGRAMS

**70** PERSONNEL CERTIFICATION PROGRAMS

**50** CERTIFICATE PROGRAMS

**5** CONFERENCE FOR FOOD PROTECTION

## MANAGEMENT SYSTEMS & ENVIRONMENTAL BODIES

**77** QUALITY MANAGEMENT SYSTEMS CERTIFICATION BODIES

**55** ENVIRONMENTAL MANAGEMENT SYSTEMS CERTIFICATION BODIES

**62** OTHER MANAGEMENT SYSTEMS ACCREDITATIONS

**20** GREENHOUSE GAS VALIDATION AND VERIFICATION PROGRAMS

**3** ECO-LABELING ELIGIBLE PROGRAMS

## PRODUCT CERTIFICATION, INSPECTION, LABORATORIES, & SUPPORTING BODIES

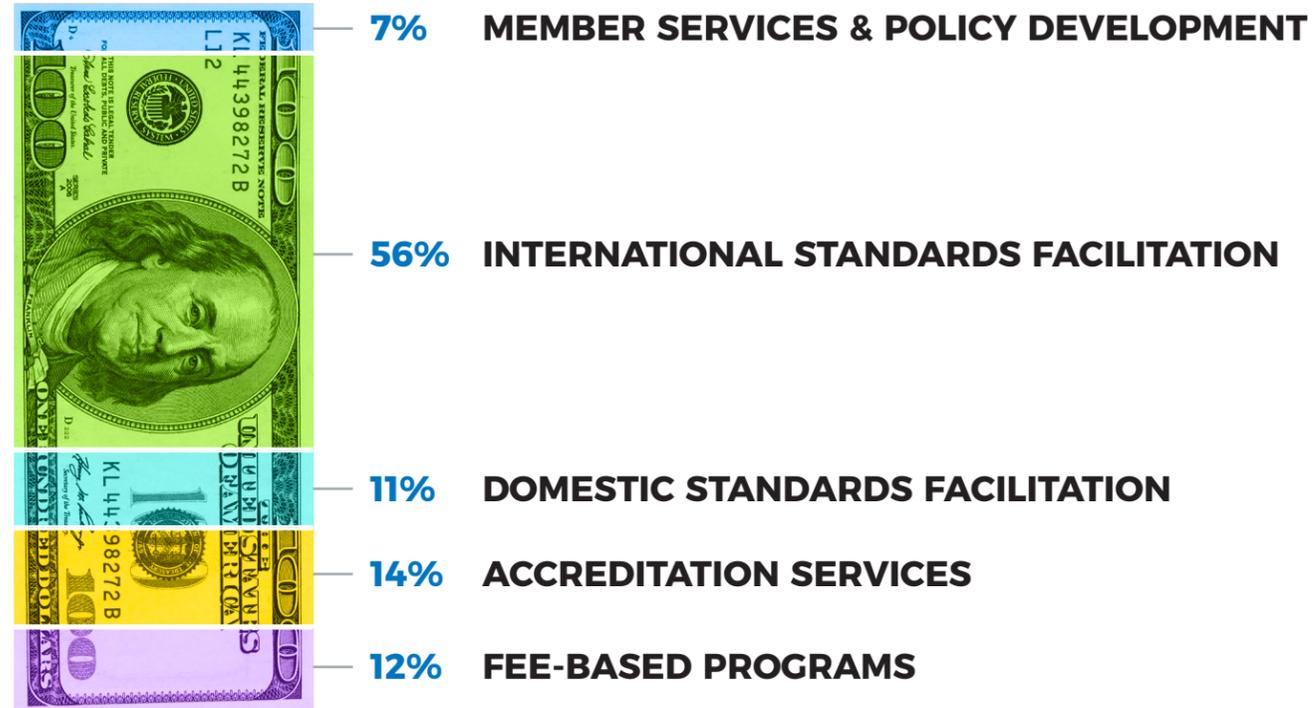
**2080** LABORATORIES AND INSPECTION (+ FORENSICS)

**84** PRODUCT CERTIFICATION PROGRAMS

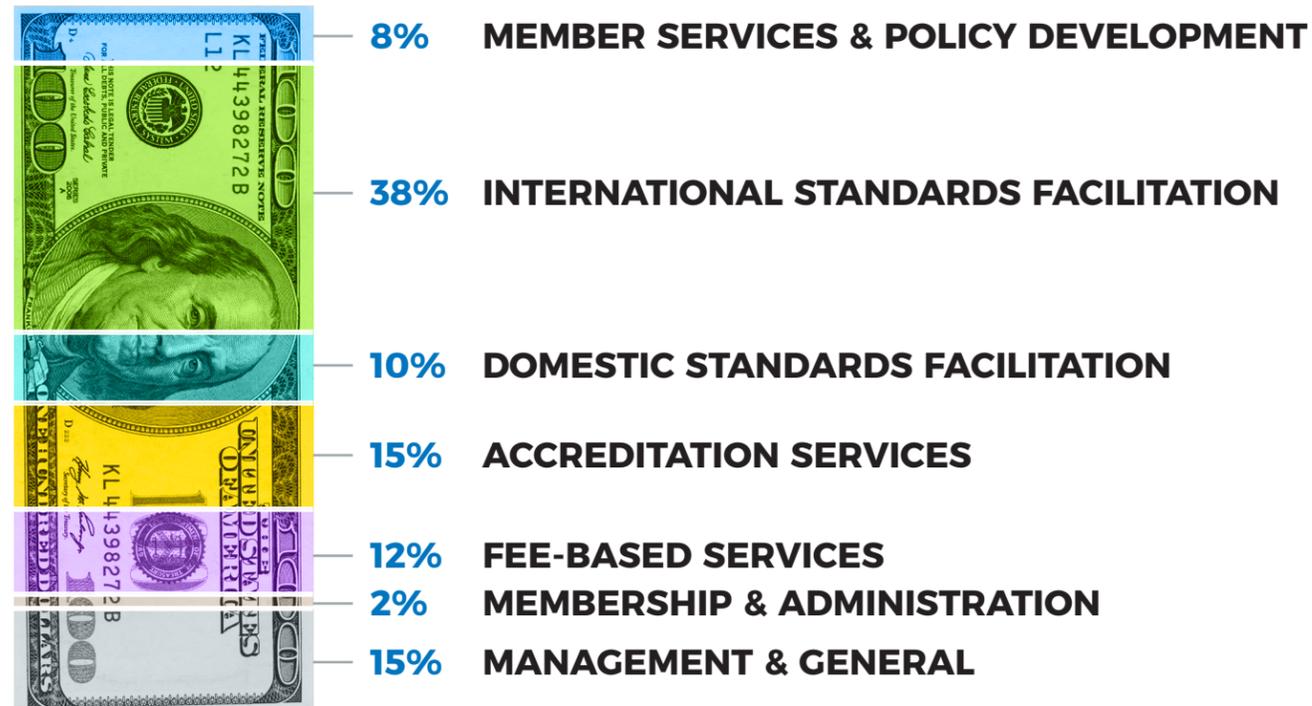
**25** REFERENCE MATERIAL PRODUCERS

**23** PROFICIENCY TESTING BODIES

## OPERATING REVENUE: \$55.93 MILLION



## OPERATING EXPENSES: \$55.59 MILLION



## CONSOLIDATED FINANCIAL POSITION AS OF DECEMBER 31, 2018 & 2017

	2018	2017		2018	2017
<b>ASSETS</b>			<b>LIABILITIES</b>		
Cash and cash equivalents	\$16,474,435	\$23,598,864	Accounts payable and accrued expenses	\$13,434,280	\$12,166,647
Investments	11,198,525	10,199,244	Deferred dues and fee income	7,803,925	9,985,156
Accounts receivable, net			Pension liability	5,364,897	3,908,673
Publications and royalties	5,942,783	5,056,475	Deferred rent	871,006	958,833
Program support, accreditation, dues, and other	4,173,929	1,771,721	Loan payable	2,226,522	-
Prepaid expenses and other assets	2,105,894	1,949,477	<b>TOTAL LIABILITIES</b>	<b>29,700,630</b>	<b>27,019,309</b>
Investment in ANAB	-	2,055,589	<b>NET ASSETS</b>		
Goodwill	9,124,148	-	Without donor restrictions	20,473,884	18,416,234
Property and equipment, net	1,301,016	979,530	With donor restrictions	146,216	175,357
<b>TOTAL ASSETS</b>	<b>\$50,320,730</b>	<b>\$45,610,900</b>	<b>TOTAL NET ASSETS</b>	<b>20,620,100</b>	<b>18,591,591</b>
			<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b>\$50,320,730</b>	<b>\$45,610,900</b>

## CONSOLIDATED STATEMENT OF ACTIVITIES AS OF DECEMBER 31, 2018 & 2017

	2018	2017		2018	2017
<b>REVENUE AND SUPPORT</b>			<b>Supporting services</b>		
Member services and policy development	\$4,096,162	\$3,841,887	Membership and administration	908,000	937,811
International standards facilitation	31,349,032	29,103,373	Management and general	8,238,583	8,059,457
Domestic standards facilitation	6,224,286	6,000,266		9,146,583	8,997,268
Accreditation services	7,636,636	7,521,400	<b>TOTAL OPERATING EXPENSES</b>	<b>55,585,377</b>	<b>48,168,785</b>
Fee-based programs	6,621,045	6,842,104	Change in net assets from operations	341,784	5,140,245
<b>TOTAL OPERATING REVENUE AND SUPPORT</b>	<b>55,927,161</b>	<b>53,309,030</b>	<b>NONOPERATING ACTIVITIES</b>		
<b>EXPENSES</b>			Investment return, net	(266,889)	1,606,364
Program-related			Gain on acquisition of remaining equity of ANAB	3,503,881	-
Member services and policy development	4,564,404	3,557,253	Pension-related changes other than net periodic pension cost	(1,550,267)	(1,435,277)
International standards facilitation	21,032,226	17,768,294	<b>TOTAL NONOPERATING ACTIVITIES</b>	<b>1,686,725</b>	<b>171,087</b>
Domestic standards facilitation	5,391,029	4,624,001	<b>CHANGE IN NET ASSETS</b>	<b>2,028,509</b>	<b>5,311,332</b>
Accreditation services	8,582,282	5,733,587	Net assets, beginning of year	18,591,591	13,280,259
Fee-based services	6,868,853	7,488,382	<b>NET ASSETS, END OF YEAR</b>	<b>\$20,620,100</b>	<b>\$18,591,591</b>
	<b>46,438,794</b>	<b>39,171,517</b>			

# ANSI MEMBERS

AS OF AUGUST 31, 2019

2Wire, Inc.	Adtran, Inc.	Alliance for Telecommunications Industry Solutions	American Boat & Yacht Council	American Institute of Steel Construction	American Society of Safety Professionals	Arris Group, Inc.	Atlas Lighting Products, Inc.
3-A Sanitary Standards, Inc.	Advanced Medical Technology Association	Allied Tube & Conduit/ Electrical Division	American Brush Manufacturers Association	American International Group, Inc.	American Type Culture Collection	Arrow Fastener Co., LLC	Atom Power, Inc.
3D PDF Consortium	Advantacom, Inc.	Alpha Modalities, LLC	American Chemistry Council	American Iron & Steel Institute	American Water Works Association	Artegraft, Inc.	Audiovisual and Integrated Experience Association (AVIXA)
3D Systems	AECOM	Alterra Corp.	American Composites Manufacturers Association	American Ladder Institute	American Welding Society	ARUP Laboratories	Aurora Innovation
A. K. Stamping Co., Inc.	AEGIS.net, Inc.	Alticor	American Concrete Institute	American Nuclear Society	American Wind Energy Association	Ashland, Inc.	Australian Pipeline Valve
A2LA	Aerojet Rocketdyne, Inc.	The Aluminum Association, Inc.	American Council of Independent Laboratories	American Oil Chemists Society	American Wood Council	ASIS International	Auto Glass Safety Council
AAC, Inc.	Aerospace Industries Association	Alyeska Pipeline Service Co.	American Dental Association	American Optometric Association	American Wood Protection Association	Associated Air Balance Council	Automotive Industry Action Group
ABB, Inc.	Aesynt, Inc.	AMADIS, Inc.	American Express Travel Related Services Company, Inc.	American Orthotic & Prosthetic Association	AmericanHort	Associated Laboratories, Inc.	Automotive Lift Institute
Abbott Laboratories	Agilent Technologies	Amazon	American Family Life Assurance Company of Columbus (AFLAC)	American Petroleum Institute	AmSpec, LLC	Association for Challenge Course Technology	AutonomouStuff, LLC
AbbVie	Agility Clinical	AMC Institute	American Gas Association	American Renewable Energy Standards and Certification Association	Analog Devices, Inc.	Association for Print Technologies	Avanade, Inc.
ABRET Neurodiagnostic Credentialing and Accreditation	AIM	American Academy of Forensic Sciences	American Gear Manufacturers Association	American Road & Transportation Builders Association	Analytics 4 Life, Inc.	Association for Rubber Products Manufacturers	Avanos Medical, Inc.
AbsolutAire	Air Conditioning Contractors of America	American Architectural Manufacturers Association	American Glovebox Society	American Society for Nondestructive Testing	Antonin Scalia Law School	Association for the Advancement of Medical Instrumentation	Avaya, Inc.
ABTech, Inc.	Air Methods	American Association of Physicists in Medicine	American Health Information Management Association	American Society for Quality	AOAC International	Association for Challenge Course Technology	Avon Protection Systems
Accreditation Board of America, LLC	Air Movement & Control Association International	American Association of Radon Scientist and Technologists, Inc.	American Imaging Management	American Society of Agricultural and Biological Engineers	APA - The Engineered Wood Association	Association for Print Technologies	Axxess
Accreditation Canada	Airbiquity	American Association of Textile Chemists & Colorists	American Institute of Aeronautics and Astronautics	APCO International - Association of Public Safety Communications Officials Int'l	APC International - Association of Public Safety Communications Officials Int'l	Association for Rubber Products Manufacturers	B11 Standards, Inc.
Accredited Snow Contractors Association	Air-Conditioning, Heating, and Refrigeration Institute	American Bankers Association	American Institute of Baking	API Weinschel, Inc.	AOAC International	Association for the Advancement of Medical Instrumentation	Babcock Canada
Accredited Standards Committee X9, Inc.	Airlines Reporting Corp.	American Bearing Manufacturers Association	American Institute of Steel Construction	APIC Program of Distinction	APA - The Engineered Wood Association	Association for Medical Instrumentation	Babcock International
Financial Industry Standards	Alabama Department of Forensic Sciences	American Board of Multiple Specialties in Podiatry	American Institute of Steel Construction	APPA - Leadership in Educational Facilities	APCO International - Association of Public Safety Communications Officials Int'l	Association for Medical Instrumentation	Baker & McKenzie Global Service
Accuvant, Inc.	Alabama Technology Network		American Institute of Steel Construction	Apple, Inc.	API Weinschel, Inc.	Association for Medical Instrumentation	BAE Systems
Aclara Technologies, LLC	Alcoa		American Institute of Steel Construction	Appvion	APIC Program of Distinction	Association for Medical Instrumentation	Baker & McKenzie Global Service
Acoustical Society of America	Alert Logic, Inc.		American Institute of Steel Construction	Architectural Builders Supply	APPA - Leadership in Educational Facilities	Association for Medical Instrumentation	The Baker Group
Act-On Software, Inc.	A-LIGN Compliance and Security, Inc.		American Institute of Steel Construction	Architectural Woodwork Institute	APPA - Leadership in Educational Facilities	Association for Medical Instrumentation	Ball Metal Beverage Container Corp.
Acuant Corp.	Allegheny Technologies, Inc.		American Institute of Steel Construction	Arconic, Inc.	Apple, Inc.	Association for Medical Instrumentation	Baltimore Police
Adaptimmune, LLC	Alliegny Technologies, Inc.		American Institute of Steel Construction	Arctic Slope Technical Services	Appvion	Association for Medical Instrumentation	Bank of America
Adobe Systems, Inc.	Alliegny MicroSystems, Inc.		American Institute of Steel Construction	Argentum	Architectural Builders Supply	Association for Medical Instrumentation	Bank of Hawaii
ADP, Inc.	Alliance Data Systems		American Institute of Steel Construction	ARGO AI, LLC	Architectural Woodwork Institute	Association for Medical Instrumentation	Bank of the West
			American Institute of Steel Construction	Armstrong World Industries, Inc.	Architectural Woodwork Institute	Association for Medical Instrumentation	Banner Engineering
			American Institute of Steel Construction		Arconic, Inc.	Association for Medical Instrumentation	Barry Wehmiller Companies, Inc.
			American Institute of Steel Construction		Arctic Slope Technical Services	Association for Medical Instrumentation	Battery Council International
			American Institute of Steel Construction		Argentum	Association for Medical Instrumentation	Bausch & Lomb, Inc.
			American Institute of Steel Construction		ARGO AI, LLC	Association for Medical Instrumentation	BB&T Corporation
			American Institute of Steel Construction		Armstrong World Industries, Inc.	Association for Medical Instrumentation	BBA Aviation USA, Inc.
			American Institute of Steel Construction			Association for Medical Instrumentation	BC Industrial, Inc.

BD Diagnostics Becton, Dickinson and Co.	Brixton Assessment Services	Cascade Microtech	CNA Insurance	The Continuity Project, LLC	d.light design, Inc.	Discover Financial Services	Educational Testing Service
Beacon Industries, Inc.	Broadridge Financial Solutions	Cast Iron Soil Pipe Institute	Cognition Corp.	Contract Medical Manufacturing, LLC	Daikin Applied	Diversified Inspections/ITL	EIFS Industry Members Association
Beckman Coulter, Inc.	Broan-Nu Tone, LLC	Castle Worldwide	College of American Pathologists	Conveyor Equipment Manufacturers Association	Dana Holding Corp.	Divide by Design	Eiko Global, LLC
Behavioral Health Center of Excellence	Broward Sheriff Office Crime Lab	Caterpillar, Inc.	Colorado Bureau of Investigation	The Cook and Boardman Group	Data2 Corporation, A Division of FineLine Technologies	DLA Piper, LLP (US)	El Paso Independent School District
Bellino Srl	Brown Stove Works	CCAD, LLC	Columbus McKinnon Corp.	Cool Roof Rating Council	Davis Wright Tremaine, LLP	Doble Engineering Co.	Electrical Apparatus Service Association
Bemis Company, Inc.	Browning	CC-Link Partner Association - Americas	Columbus Police Crime Laboratory	Coors Tek	Dealer Tire	Document Center, Inc.	Electro Industries
Benedictine University	BSI Group America, Inc.	CEDIA	Comau, Inc.	Core Pacific, Inc.	Decision Sciences International Corp.	Dolby Laboratories, Inc	Electro Industries
Bentley Systems, Inc.	Builders Hardware Manufacturers Association	Cell Signaling Technology, Inc.	Combe, Inc.	CoreLogic	Deere & Company	Donaldson Company, Inc.	Electronic Components Industry Association
Benz Research and Development	Building Owners & Managers Association International	The Center for Responsible Enterprise and Trade	Commission on Accreditation of Ambulance Services	Corero Network Security	Dell, Inc.	Door & Access Systems Manufacturers Association	Electronic Security Association, Inc.
Berkshire Hathaway Energy Co.	Building Performance Institute	CenterPoint Energy	Commission on Accreditation of Medical Transport Systems	Corning, Inc.	Delphi Automotive Systems, LLC	Dorel Juvenile U.S.	Electronica Test Laboratories
Best Cabinet & Granite Supply, Inc.	Bulk Handling Systems	Centers for Disease Control & Prevention	Commissioning Agents, Inc.	CoServ	Delta Dental of California	The Dow Chemical Co.	Electroswitch Corp.
BHP Billiton Petroleum (Deepwater), Inc.	Bunn Corp.	Cerner Corp.	Commonwealth of Massachusetts	Cotton, Inc.	DeltaHawk Engines, Inc.	Dow Corning Corp.	Elite Electronic Engineering, Inc.
BIC Corporation	Byton	Certified Automotive Parts Association	Compassion International	Coulter Companies, Inc.	Deluxe Entertainment Services Group	DQS, Inc.	Ellucian
BICSI, Inc.	CACI International, Inc.	Certified Wireless Network Professionals	Composite Panel Association	Covance, Inc.	DEN Technologies Corp.	DRI International, Inc.	Embraco
BIFMA International	Cadence Design Systems, Inc.	CGFNS International	Compressed Air & Gas Institute	CPLSO	Dental Trade Alliance	Drive DeVilbiss Healthcare	Emergency Management Accreditation Program
BioAffinity, Inc.	California Independent System Operator Corporation	The Chamberlain Group, Inc.	Compressed Gas Association	Crane ChemPharma & Energy	Department of Forensic Sciences (DFS)	Dun & Bradstreet	Emerson Electric Co.
Bio-Rad Laboratories	California Lottery	Charleston Area Medical Center	Computer Science Corp.	Crane Inspection & Certification Bureau	Depository Trust and Clearing Corporation (DTCC)	Duquesne Light Co.	EMSL Analytical, Inc.
Bison Gear & Engineering Corp.	California State University, Office of the Chancellor	Chicago Mercantile Exchange, Inc.	Concept QA Labs	Cross Bore Safety Association	Design Chain Associates, LLC	Dynabrade, Inc.	Encore Wire Corp.
Black & Veatch Special Projects Corp.	Camargo Pharmaceutical Service	Cigna Corporation	Concept Systems, Inc.	Crown Equipment Corp.	Detector Electronics Corp.	DynCorp International	Energistics Consortium
Black Diamond Structures	Cambridge Technology	Cisco Systems, Inc.	Concrete Reinforcing Steel Institute	CSA America, Inc.	Deytec, Inc.	E. D. Bullard Co.	Energy Solutions, Inc.
BlackBerry Corp.	The Capital Group Companies	Citigroup Technology, Inc.	Connector Manufacturing Co.	CSG International	Diageo	E.I. du Pont de Nemours & Co.	Energy Systems Integration Group
Blue Cross Blue Shield of Arizona	Capital Management Consultancy & Development Center	City of Grand Rapids	Consensys Systems, Inc.	CSI Telecommunications, Inc.	Dialight Corp.	EaglePitcher Technologies, LLC	Energy Systems Integration Group
Blue Origin, LLC	Caradigm USA, LLC	Classic Industries- Ci Medical Technologies, Inc.	Construction & Location Jenik, Inc.	CSST-Centre De Documentation	DICKEY-john Corp.	Eastman Chemical Co.	Ensafe Institute for Health, Safety & Counselling Training, Ltd.
Boeing Co.	Cargill	Clinical and Laboratory Standards Institute	Construction Innovations	CTC Global Corp.	Digimarc Corp.	Eastman Kodak Co.	Ensono, LP
Bonner County	Cargill, Inc.	Clydesdale Consulting	Consumer Technology Association	Custom Protect Ear, Inc.	Dimensional Metrology Standards Consortium, Inc.	Eaton Corp.	Entertainment Services and Technology Association
Boosted Boards	The Carpet & Rug Institute	CM Services, Inc.		CVS Caremark Corporation	Dinsmore	EBW Electronics	Envietta
Booz Allen Hamilton				CWB Financial Group	DirectTrust.org	ECCMA	Environmental Protection Agency
Boss Holdings, Inc.				Cypress Semiconductor Corp.		ECCMA	EOS/ESD Association, Inc.
Bridgers & Paxton Consulting Engineers				D Robles Consulting		EclinicalWorks	Ergon, Inc.
Bridgestone Bandag, LLC						Ecore International	
						Edevate	
						Edison Electric Institute	

Ericsson, Inc.	FIS Global	Gemological Institute of America	Google, Inc.	Home Innovation Research Labs	Industrial Fasteners Institute	International Association of Plumbing & Mechanical Officials	International Staple Nail & Tool Association
Erie Indemnity Co.	Fisher-Price, Inc.	Gemtor, Inc.	The Gravity Cartel	Homewerks Worldwide, LLC	Industrial Steel Drum Institute	International Automotive Components Group North America, Inc. IAC Group	International WELL Building Institute
Ernst & Young	FlightSafety International, Inc.	Genentech	The Green Building Initiative	Honda North America	Industrial Truck Standards Development Foundation, Inc.	International Biomedical	International Window Cleaning Association
ESAB	Florida Department of Law Enforcement	General Dynamics-Ordinance and Tactical Systems, Munition Services	Green Business Certification, Inc.	Honda RD	Information Technology Industry Council	International Center for Integrative Systems Inc.	Interpower Corp.
ESI	Florida Hospital	General Electric, Co.	GS 1 US	Honeywell, Inc.	InGenesis, Inc.	International Code Council	Interstate Renewable Energy Council, Inc.
Essential Dental Systems	Fluence Automation	General Mills	GTW Associates	Houston Methodist Research Institute	Ingredion, Inc.	InterNational Committee for Information Technology Standards	Intertek
E-Tech, Inc.	Fluid Controls Institute	Genesis Systems Group	Guardian Industries Holdings, LLC	HP, Inc.	Institute for Credentialing Excellence	International Dynamic Advisors, S.L.	IntraLinks
Eurofins Medical Device Testing	Flushmate	Genome ID Group, LLC	H5	HRB Tax Group, Inc.	The Institute for Market Transformation To Sustainability	International Electrical Testing Association	Investment Industry Regulatory Organization of Canada
Evolv, LLC	FM Approvals	GeoEye	Hand Tools Institute	Hubbell, Inc.	Institute of Environmental Sciences & Technology	International Facility Management Association	Iowa DCI Crime Laboratory
Evonik Corp.	FMC Process Tech Center	George Washington Institute of Public Policy	Hanes Supply, Inc.	Human Factors & Ergonomic Society	Institute of Inspection, Cleaning and Restoration Certification	International Institute of Ammonia Refrigeration	IPC – Association Connecting Electronics Industries
Exelon Corp.	Focus Imaging	Georgia Tech Energy and Sustainability Services	Hanger, Inc.	Hyderabad Eye Institute, Operating Trust of L V Prasad Eye Institute (LVPEI)	Hydraulic Institute	International Kitchen Exhaust Cleaning Association	IRRAS
Experian	Food & Drug Administration	Gesmer Updegrove, LLP	Hardwood Plywood & Veneer Association	Hyster-Yale Group	IBM Corp.	International Light Transportation Vehicle Association, Inc.	Irrigation Association
Express Calibration Services	ForgeRock	GFS Chemicals, Inc.	Harger Lightning & Grounding	ICC Evaluation Service, LLC	ICCBBA	International Monetary Fund	Islamic Food and Nutrition Council of America (IFANCA)
ExxonMobil	Forming & Shoring Solutions	GIAC - Global Information Assurance Certification	Harley Davidson Motor Co.	ICL Performance Products LP	ICEXX Laboratories	Intel Corp.	Islamic Society of North America
Facebook	Forsmarks Kraftgrupp AB	Gilbarco Veeder-Root	Harris Health System	IDTech	IDEXX Laboratories	Inteleos	IT'IS USA
Factory Automation Systems	Foundry Therapeutics 1, Inc.	Giles Enterprises, Inc.	Harris IT Corp.	IEDAC USA, LLC	IDTech	Intellibind Technologies, LLC	J. J. Keller & Associates, Inc.
Family Farms Group	Frasca International	Gilson, Inc.	The Hartford	IEEE	IGOLGI, Inc.	Intelligent Transportation Society of America	James & Luther, Inc.
Family Health International	Fraunhofer USA, Inc.	GL Noble Denton	Health and Safety Institute	Illuminating Engineering Society of North America	IHS Global, Inc.	International Safe Transit Association	James Madison University
Faraday & Future	Freddie Mac	GlaxoSmithKline, LLC (GSK)	Health Level Seven	Incentive Federation, Inc.	Illuminating Engineering Society of North America	International Sanitary Supply Association	James McHugh Construction Co.
Farmers Insurance	Freeport McMoRan Sierrita, Inc.	Glazing Industry Secretariat Committee	Health Physics Society	InterDigital, Inc.	Intelligent Transportation Society of America	International SOS Government Services, Inc.	Janssen Pharmaceuticals, Inc.
Faxitron Bioptics, LLC	Freescale Semiconductor, Inc.	Global Inventures, Inc.	Helikon.net	International Association for Continuing Education and Training	International Society of Arboriculture	Jessup Manufacturing Co.	JEDEC Solid State Technology Association
Fed Ex Services	Fujitsu America, Inc.	Global Skill Development Council	Hemolife Medical, Inc.	International Association of Innovation Professionals	International Society of Automation	JLG Industries	Johnson & Johnson
Federal Aviation Administration	Fulbright & Jaworski, LLP	Global Skills Exchange Corp.	HemoSonics, LLC				
Federal Housing Finance Agency	Fulford Certification	Globe Life and Accident Insurance license, formerly the Torchmark Corp.	Henry County Hospital				
The Federal Insurance Co.	Futurewei Technologies, Inc.		HERE North America, LLC				
Federal Trade Commission	G. Wandling & Associates		Hexcel Corp.				
Felker Brothers Corp.	G2, Inc.		HIBCC				
Fenestration Testing Lab, Inc.	Garmin International		Higher Logic				
The Fiber Optic Association, Inc.	Gartner, Inc.		Hines Industries				
Financial Services Technology Consortium	Gates Corp.		Hitachi Global Storage Technologies				
First Environment, Inc.	GE Appliances-a Haier Co.		HMC Holdings, LLC				
	Geico Corp.		Hobart Brothers Co.				

Johnson Controls - Automotive Experience Seating Business Unit	Laser Institute of America	Los Angeles County Sheriffs Department	Maxitrol Co.	Minnesota State Colleges and Universities	National Board of Boiler & Pressure Vessel Inspectors	National Institute of Health	NIOSH - National Personal Protective Technology Lab
Johnson Matthey, Inc.	LATICRETE International, Inc.	The Lubrizol Corp.	Mayo Clinic	Mitsubishi Chemical Carbon Fiber and Composites, Inc.	The National Board Of Medication Therapy Management	National Marine Electronics Association	Nissan North America, Inc.
Joint Development Foundation	Lear Corporation	Lucid Motors	Mazak Corp.	Mitsubishi Polyester Film, Inc.	National Board of Surgical Technology and Surgical Assisting	National Pork Producers Council	NIST - US Department of Commerce
JORAKAY Corporation Co., Ltd.	Leatherman Tool Group, Inc.	Lumenpulse Lighting, Inc.	Mechanical Power Transmission Association	Modern Technology Solutions, Inc.	National Center for Competency Testing	National Propane Gas Association	NOCSAE National Operating Committee on Standards for Athletic Equipment
K&S Associates, Inc.	LED Roadway Lighting, Ltd.	Luminar Technologies, Inc.	MedBiquitous Consortium	Molex	National Commission for the Certification of Crane Operators	National Renewable Energy Laboratory	Nokia Corp.
Kaiser Permanente	Lee Company	Lutron Electronics Co., Inc.	Medical Advantage Group	The Monitoring Association	National Contract Management Association	National Restaurant Association	Non Emergency Medical Transportation Accreditation Commission
Kaleo Pharma	Legrand - Electrical Wiring Systems	Lyft	Medical Alert Monitoring Association	Monster Tree Service of Portland	National Council Prescription Drug Program	National Ski Areas Association	North America Accreditation Body
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KIA Motors Manufacturing Georgia	Liberty Global Services B.V.	Manufacturers Standardization Society	Mercedes-Benz US, LLC	MTS Systems Corp.	National Fire Sprinkler Association	NETGEAR	North American Security Products Organization
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Kitchen Cabinet Manufacturers Association	Liebherr Mining Equipment Newport News Co.	Management and Strategy Institute	Metal Hose Manufacturing Association	NACE International	National Information Standards Organization	Newmont USA, Ltd.	NOTS Logistics, LLC
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