

Letter from the President

From the President's Desk



By the time this newsletter reaches your inbox, we will have completed half of our journey in 2021 and it seems we have made some progress. Most of the world's population is either experiencing continuing lockdown or is somewhat "opening up" to normality. Indeed, we have not yet opened our global headquarters here in Brea, California, but expect to open fully in September 2021.

Who would've predicated back in March 2020, when we all shut down, that 15 months later we would only "see" each other through an electronic box! On the balance, I can state objectively that our business, though remote, continues steadily. IAS staff and our colleagues around the globe have stepped up to the challenge and shifted our operations to meet our customers' needs. As the situation in the United States continues to show steady improvement with an increasing number of the population vaccinated, our hearts and minds reach out to those parts of the world where COVID continues to have tragic consequences. IAS management has been consistently reaching out to our global customers and colleagues to assure them of our support as well as extend any help we can through these tough times.

Lately, we have noticed a heightened, industrywide focus on educational and training programs. As a result, this year, IAS has taken the initiative to host a higher volume of technical webinars, technical conclaves and conformity assessment standards training programs. We surmise these efforts have been well-received due to noted increases in active participation from the conformity assessment community. The sessions have ranged from specific technical themes on water testing and analytical matters to broader issues such as certification versus accreditation. Over the next several months, we aim to host globally focused conclaves on FDA ASCA compliance requirements for customers located in Germany and Korea as well as regions of India. The FDA ASCA webinars seek to actively engage attendees and will feature riveting discussions from the FDA's technical experts. Dimitrios Katsieris, who manages our FDA initiatives, has been working closely with Greg West, director of IAS' customer success group, and other colleagues to make these webinars successful.

I also want to draw attention to the growing global recognition of the ISO/IEC 17024 accreditation program, and its relevance and use toward certified

personnel. Increasing awareness among regulators, specifiers and other industry decision-makers is key to enhancing this program and ensuring a level playing field on personnel certification schemes. Under the leadership of George Anastasopoulos, Ph.D. and Osman Vural, I expect this program to continue to see strong growth.

Additionally, IAS continues to monitor and perform market surveillance across all conformity assessment program activities to ensure audit practices are consistent and usage of the IAS and CAB marks/logos are properly controlled. In recent months, we noticed some spurious use of the IAS logo in the marketplace, prompting the IAS technical team to actively investigate potential misuses. Our actions thus far have resulted in significant success; however, given the wide world of the web, monitoring and preventing such misuse will be an ongoing activity.

Again, we urge our global customers to pay closer attention to any developments regarding conformity assessment matters taking place in ILAC, IAF, APAC, ISO and within your local regulatory communities, as well as other standards organizations, in order to monitor, engage and respond effectively to any and all technical documents and drafts that can impact your businesses. One recent example is the current discussions within the IAF technical community on a draft mandatory document (MD) pertaining to the validation of product certification schemes. A number of stakeholders have been quite concerned about the direction of this draft MD, and the IAS staff has expressed its concerns in many forums. I implore all accredited customers and interested parties to pay close attention to such global bodies (ILAC, IAF, ISO, etc.) that play an outsized role in your business activities. Your voice can make an impact if you do participate and speak up!

Finally, we celebrated Building Safety Month in May, and marked World Metrology Day on May 20 and World Accreditation Day on June 9 by hosting virtual events. As we journey into the rest of the year, I encourage you to continue keeping an eye on your inbox for other upcoming webinars, which are not only stimulating but also an interesting way to meet your peers

Regards,

Raj Nathan

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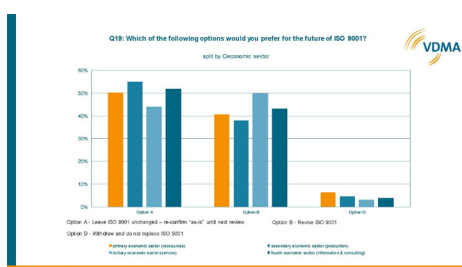


ISO 9001 Revision User Survey Results

A worldwide user survey was conducted in the second half of 2020 by ISO to better understand the present and future needs of ISO 9001 standard users. The survey results will be reviewed by the ISO/TC176/SC2/AG1 Strategic Planning and Operations Task Group to determine if ISO 9001 should be revised, amended or remain unchanged. The web-based survey featured 19 questions and a comments box and was made available in 14 languages. It received a total of **8,397 responses from organizations across 149 different countries**.

Overall, the survey respondents demonstrated good support for the potential new topics or "future concepts" to be addressed in ISO 9001 in future revisions. Interestingly, the data shows no major variations in responses due to: size or geography of the organization responding; the different level (e.g., operational, intermediate managerial or executive) or function of the respondent in the organization; whether or not the organization was ISO 9001-certified at the time; or the sector in which the organization operates.

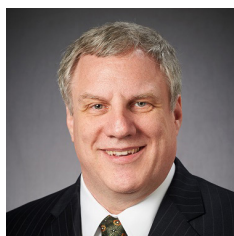
The survey results show a slight majority confirming that ISO 9001:2015 should remain unchanged as opposed to those in favor of revising the standard. A relatively large number of organizations claimed having no difficulties in conforming to the current ISO 9001 requirements, particularly small and mid-sized enterprises. There seems to be slightly greater advantages for smaller organizations in using ISO 9001, or for those that have been using the standard for fewer than 20 years.



IAS Virtual World Accreditation Day Event

World Accreditation Day is a global initiative established by IAF and ILAC to promote the value of accreditation. The theme for 2021 was, "Accreditation: Supporting the Implementation of the Sustainable Development Goals." Accreditation plays a vital role in enacting the United Nations' sustainable development goals (SDGs), which aim to meet objectives such as increasing trade, addressing environmental and health and safety concerns, and improving the overall quality of economic output.

IAS held a virtual event on June 9, 2021, in celebration with attendees from 13 countries. This hourlong presentation featured four dynamic speakers from the world of accreditation: Fluke Corporation Chief Corporate Metrologist and IAS board member Jeff Gust; International Quality Excellence in Infrastructure Systems (IQEIS) President Peter Unger; National Accreditation Board for Certification Bodies (NABCB) Lead Assessor and former CEO Anil Jauhri; and IAS Vice President of Global Development and Compliance George Anastasopoulos, Ph.D.



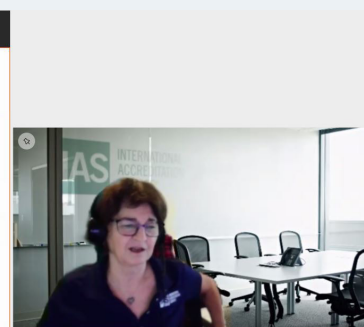
World Metrology Day – IAS Webinar

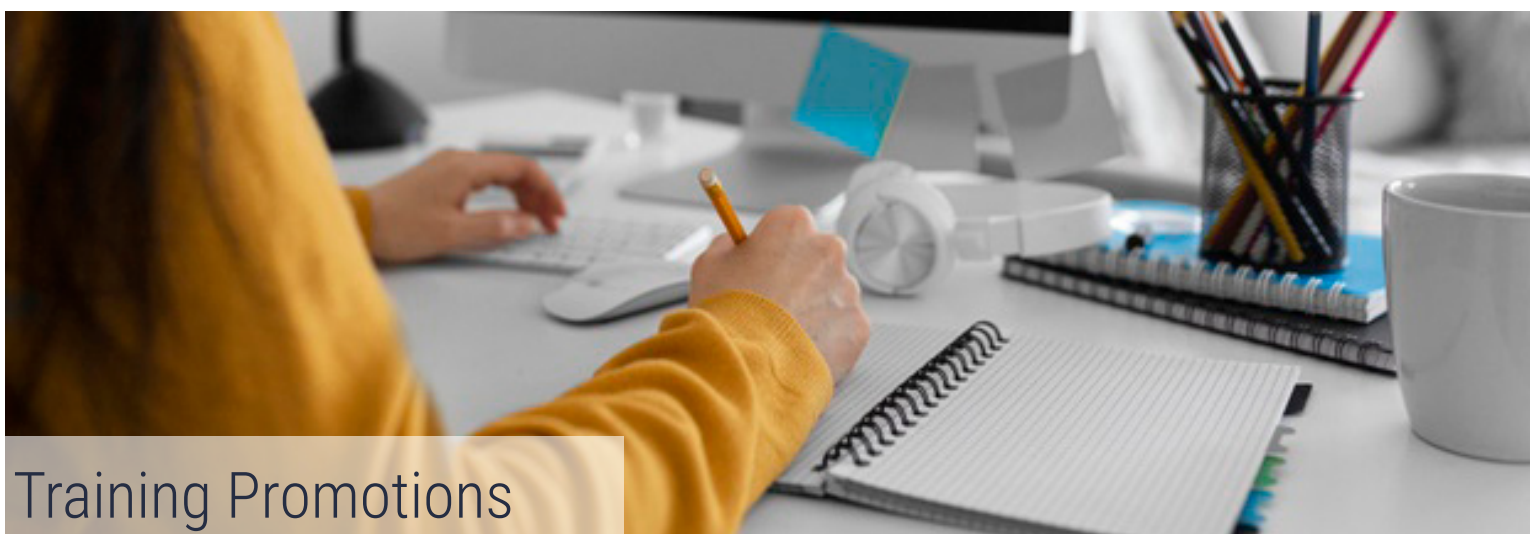
World Metrology Day is an annual global celebration and the theme for 2021 was, "Measurement for Health." This theme was chosen to create awareness of the important role that measurement plays in health, and thus in the well-being of every one of us. World Metrology Day celebrates the signature of the Metre Convention on May 20, 1875, by representatives of 17 nations. The convention set the framework for global collaboration in the science of measurement and in its industrial, commercial and societal applications.

IAS Calibration Laboratory Program Manager, Helga Alexander, hosted a free webinar for World Metrology Day on May 20, 2021. The topic of the webinar was, "Metrology – What is it and why is it Important?" Available to view [for free online](#), this presentation is an introduction to the basic principles of metrology, the science of measurement. It provides a brief history of metrology and its importance in science and engineering as well as global trade. Basic metrological concepts such as calibration, measurement uncertainty and metrological traceability are explained, and the webinar also discusses how accreditation to international standards ensures high confidence in the validity of test and calibration results.

Toward the International System of Units (SI)

- > **1960: International System of Units (SI) approved**
 - Establishment of the SI with 6 base units
- > **1971:**
 - Addition of the mole as a seventh base unit
- > **2018:**
 - In November 2018, the General Conference on Weights and Measures (CGPM), which is part of the BIPM, voted unanimously to implement the new definitions of the SI
- > **2019:**
 - The new SI went into effect on the next anniversary of the 1895 Meter Convention, World Metrology Day, May 20, 2019





Training Promotions

2021 Date	Course Name	Time Zone for Audience	Webinar Duration	Link
July 13	Internal Audit and Management Review – ELAP Webinar #11 (Free)	Global	90-minute	Register
July 13-15	Understanding ISO/IEC 17021-1 for Management System CBs	Middle East and South Asia	3-day	Register
July 14-16	Understanding ISO/IEC 17021-1 for Management System CBs	North and South America	3-day	Register
July 20	ISO 15189 90 Minute Webinar Module 4 System Management Policies (Free)	Middle East and South Asia	90-minute	Register
July 21	17025 Webinar 4-How to conduct an Effective Internal Audit (Free)	Global	60-minute	Register
August 6	17025 Webinar 5-Management Reviews Simplified (Free)	Global	60-minute	Register
August 10-11	Understanding ISO/IEC 17065 for Product Certification Bodies	North and South America	2-day	Register
August 11-12	Special Inspection Agencies in Building Construction – NYC Focus – AC291	New York, USA	2-day	Register
August 17	ISO 15189 90 Minute Webinar Module 5 Procedures for Records (Free)	Middle East and South Asia	90-minute	Register
August 18-18	Uncertainty of Measurement for Labs	North and South America	2-day	Register
August 24-25	Understanding ISO/IEC 17025 for Testing and Calibration Labs	North and South America	2-day	Register
August 24-25	Internal Auditing for all Standards	North and South America	2-day	Register
August 30-31	IAF MD Training for PCB and MSCB Assessors	Webinar timed for ME and South Asia	2-day	Register
August 31-September 1	IAF MD Training for PCB and MSCB Assessors	North and South America	2-day	Register
September 2	Need for full Corrective and Preventive Action	North and South America	90-minute	Register

Assessor Spotlight –

Lawrence J. O'Connor, PE, LS, F. NSPE



Larry O'Connor has over 40 years' experience in New York as a civil engineer working in government, industry and consulting. He earned a Bachelor of Science degree in civil engineering in 1973 from Union College in Schenectady, New York, and a Master of Public Administration degree in 1979 from SUNY's Graduate School of Public Affairs in Albany, New York.

O'Connor began his engineering career as a Junior Engineer in the NYS Department of Transportation in 1973. Through promotions, and budgetary reductions in force, he served in four other roles at NYS DOT plus positions with the NYS Office of Parks Recreation and Historic Preservation in Albany and on Long Island. The last fifteen years of his state career was with the NYS Thruway Authority / NYS Canal Corporation retiring in 2006 as the director of management services at the Thruway Authority Office of Design in Albany.

His professional experience includes serving as a Senior Civil Engineer for the city of Schenectady, New York, a project engineer for C.T. Male Associates, P.C. in Latham, New York, and an associate quality assurance engineer for Niagara Mohawk Power Corporation. He also has maintained a private land surveying and engineering practice throughout his career. From 2006-2010, O'Connor worked as deputy chief of the Bridge, Highway and Rail Division for M.G. McLaren, P.C. in West Nyack, New York.

Since 2010, O'Connor has served IAS in several roles. In New York City, he focused on special inspections for building construction, bringing ISO standards to the building industry in New York. Larry has performed over 470 assessments for the accreditation of special inspection agencies,

inspection bodies, testing laboratories, building departments, product certification agencies, calibration laboratories and management system certification bodies in the US, Canada, the Middle East, Europe, Asia and Central America. In addition, he teaches seminars on the importance of special inspections and Chapter 17 of the International Building Code and ISO/IEC 17020.

O'Connor served in the United States military as a member of the New York Air National Guard from 1970-1976. In 1977, he was elected Mayor of the Village of Delanson in Schenectady County, New York, and was re-elected twice. Then, ran for higher office and was elected Town Supervisor for Duanesburg, New York for 1982-1983.

Over the years he has been an active member of several professional organizations, including the New York State Society of Professional Engineers since 1995, for which he currently chairs the Professional Engineers in Government interest group. He is presently a trustee for The Practicing Institute of Engineering, a board member for the Eastern NY Society of Land Surveyors, a member of the Municipal Engineers of the City of New York and a director of the Foundation for Engineering Education, Inc.

O'Connor and his wife Donna have eight children and 19 grandchildren and live in a historic, 1800s-era Victorian home in Delanson, New York. Here's what Larry he had to say about his experience working with IAS.

Q: What led you to become an IAS assessor?

A: In 2009, I was the vice president of The Practicing Institute of Engineering and serving on the executive board of the New York State Society of Professional Engineers. I led a task force to study the creation of an accreditation body in New York. I understood the complexity of this task and resolved to form a partnership with IAS.

I spoke with Raj Nathan on the phone and from our first conversation we understood each other completely. I knew the hurdles that would have to be overcome to form an accreditation body in New York and asked Raj if IAS would provide trainings. IAS organized two trainings on the topics of New York City (NYC) special inspections and IAS accreditation related to AC291 to satisfy NYC requirements. These trainings served as the beginning of a partnership with IAS.

Later, I went to a few assessments as an observer. I transitioned to a part-time role at the consulting firm I worked for in October 2010. In December 2010, I slowly started doing assessments with IAS and, by 2013,

IAS had me flying out on Sunday and flying back on Saturday! I have enjoyed the journey so far.

Q: How did you transition from living and working in New York to becoming this world traveler?

A: Having worked in NYC, I was used to the multicultural and cosmopolitan working culture found in a big city. However, joining IAS and traveling the world was a different experience. My first international trip for IAS was to the Bahamas, which was easy. After that I went to Turkey. I had never been to that part of the world before, but I got a lot of help from George Anastasopoulos, who is a VP of IAS. I had a great experience; I met a young engineer who had good English from watching American TV and movies and playing video games. He showed me around on his day off; he was very generous with his time. I am still friends with him and his wife, and we keep in touch. These travels and encounters with so many colleagues and customers around the world have brought a different dimension to my view of the world. I have a better understanding and appreciation of working in different environments, being sensitive to the differences, and knowing how to overcome those with the right attitude



Q: What is the most interesting experience you have had while traveling for IAS?

A: When I am traveling for IAS and I have some time between assessments, I don't just sit in the hotel room. At this point in my life, learning languages, experiencing other cultures and traveling are my hobbies. I've been skiing in Dubai and snorkeling in Oman, but one of the most interesting experiences I've had was when I went dune bashing in Qatar. In December 2017, I rented an SUV to go to the Inland Sea in Qatar. I had been before, but this was the first time I was driving. I went with a few friends and two fellow assessors. For some reason they said, "Larry—you lead." Maybe it was because they knew I had lots of experience driving in the snow. It was an exciting day and I did well; I put 90 off-road kilometers on the Ford Explorer.

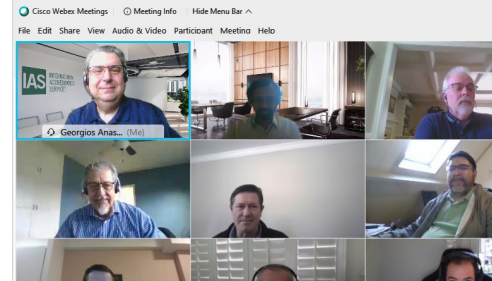
Later, when my friend was leading, he went through some bushes but I diverted uphill to miss a bush and got stuck. My friend tried to help but he got stuck, too! We couldn't dig our way out, either. We were 10km off the road and it was getting dark.

Then a young man came by in an expensive dune buggy and said he would get his uncle to help us. His uncle soon arrived, racing over the dune, in an old-model Land Cruiser with oversize BFG Radial T/A tires. Although dressed in fine Qatari attire, fit for a visit to the Emir's palace, he set right to work. He got in and simply drove my friend's truck out of the sand like it wasn't stuck. He had to tow my SUV out; two wheels were getting no traction at all. I was so grateful; I tried to give him a big tip, but his nephew wouldn't let me, saying, "He is a rich man—he just does this for fun." The uncle led us back to our "camp" on the shore and the two other assessors and I headed out, because we needed to get back to our hotel.

By this time, it was dark, and when it's dark in the desert you can't see anything. My colleagues assumed we would be sleeping in the desert that night. I have an app on my phone that shows safe paths through the dunes. I drove those last 10km in the desert with one hand on the wheel, the phone in the other, using the driving equivalent of instrument flight rules. We got back to the hotel at a decent hour and started a new assessment in the morning.

Q: What is your favorite part of doing assessments?

A: I get energy from being with people and seeing new things. I learn something new every day and learn how the world fits together. I have made friends all around the world and have learned a lot about different people and cultures. It's been a real blessing at this stage in my life.



Accreditation, Standardization and Conformity Assessment

California State University-Dominguez Hills and IAS partnered together to offer a four-module certificate program, held on four Saturdays in March and April. This course was geared toward IAS clients, ICC membership, assessors, subject matter experts involved in conformity assessment, university students/alumni, STEM professionals and professionals with practical experience in one or more of the following areas:

- Quality management
- Members of standards development organizations
- Accreditation authorities and the staffs of testing and measuring laboratories

This course was delivered via a cohort format, with instruction provided by recognized subject matter experts in various areas of standardization and conformity. Topics covered in the sessions included:

- Conformity Assessment Principles
 - Techniques for assessing whether requirements related to specific standards, regulations and technical specifications have been met
- Management System
 - Key elements of a management system and their implementation
- Systems of Accreditation and Certification
 - Differences and common elements of accreditation and certification standards
- Risk Analysis in Conformity Assessment
 - Risk assessment process
- Role of Metrology in Conformity Assessment
 - History of metrology, importance of metrological traceability, calibration hierarchy
- Case Studies Related to Certification and Accreditation

The virtual classroom delivery aspect of this course allowed for easy participation of attendees from across the globe, and without incurring travel costs. The classes were tailored to be more interactive and discussion-oriented for the participants. Overall, the feedback on this initiative was very positive. IAS plans to work on refining the program even further, then will present it to other prospective participants in the upcoming offerings. We encourage anyone interested in deepening their knowledge about accreditation, certification, risk management, metrology and management systems to participate in the program. To learn more about the program, please contact Prasanth Ramakrishnan at pramakrishnan@iasonline.org.

Do you know your MSCB?

By Ganesh Bhat, IAS Lead Assessor



Those of you who have experienced the Management System Certification Bodies (MSCB) accreditation process probably know the complexity of the assessment method. There are numerous standards and documents to be considered—from ISO/IEC 17021-1 and supporting competence standards such as ISO/IEC 17021-2 and 17021-3, to scheme-specific standards such as ISO/TS 22003 and ISO/IEC 27006. Finally, there are number of International Accreditation Forum mandatory documents (IAF MDs)

available to help ensure MSCBs demonstrate competence in meeting all of the above requirements.

Under the MSCB program, the certification body is required to demonstrate competence in each technical area within the respective standards. The technical scopes are defined in IAF-ID-01 for QMS, EMS and OHSMS standards and ISO/TS 22003 for FSMS. Further, IAF MD17 and MD16 stipulate how these scopes can be granted to the MSCB and what witnessing activities are required. These witnessing activities are performed by an accreditation body (AB) that observes, without interfering or influencing, an audit performed by an MSCB's audit team. Depending on the objectives of the witnessing, the complete audit may be observed or just the relevant parts of the audit. The witnessing is done on-site at the MSCB's client's premises or by observing an audit remotely via electronic means. Each of the technical clusters need to be witnessed by the AB before granting the scopes to the MSCB. To get a broad spectrum of scopes, the MSCB must provide multiple witness audits to the AB and also demonstrate the necessary competence to manage all aspects of the audit activities related to the technical area. An optimal witness assessment activity provided by the AB may be helpful to achieving a wider range of scopes, and hence reduce the cost of accreditation. As always, this will be consistent with the applicable IAF MD requirements.

The point of this article is to describe situations where the MSCB wants to cover more than one scope/codes from the witness performed. It is important that the IAS team reviews the scope/codes and judges whether the client's scope covers multiple activities or not.

In one instance, the MSCB offered a witness for a food manufacturing client with the scope, "Manufacturing Storage and Supply of Spices". The standards covered were ISO 9001:2015, ISO 14001:2015 and ISO 22000:2018. The MSCB claimed IAF codes 3 (food manufacturing) and 31 (transport, storage and communication). If this was acceptable to IAS, the MSCB would have covered the witnessing requirements for FSMS category C, and IAF categories 3 and 31. When the activities were analyzed by IAS, it was understood that the MSCB's client was manufacturing and selling the spices and, as a routine process, storing the product as per the preservation requirements for any such products. Hence, if the word "storage" in the scope is noted, it does not necessarily mean the activities fall under the IAF code 31 also. When critically observed, the IAF code 31 includes the process of warehousing and storage facilities (NACE 52.10) for transportation; hence, the storage facilities within a factory are not covered under IAF code 31.

Another observation example is the assembly line of an automobile manufacturing plant, where various items made of plastic, rubber, etc. were used. Unless the factory manufactures items made from plastic and rubber on its own, this activity does not qualify the client for IAF code 14 (manufacture of rubber and plastic products). In other words, if the items are purchased items, the scope does not include IAF code 14.

As illustrated above, it is important for the AB assessor to review the scope, processes followed, products manufactured, and services offered before accepting the witness audit for the IAF codes. If the scope/activities only cover the main activities (example: food manufacturing), IAS can only consider the main IAF code applicable to that part of the scope (IAF code 3). If a client's activities cover the supplementary activities, then IAS can consider the other codes applicable, provided the activities meet the IAF/NACE code classifications.

APAC Celebrates World Accreditation Day

The Asia Pacific Accreditation Cooperation (APAC), an international organization with member accreditation bodies in 29 economies, held a virtual event on June 9, 2021, to celebrate World Accreditation Day. Established by the International Accreditation Forum (IAF) and International Laboratory Accreditation Cooperation (ILAC), this global initiative promotes the value of accreditation.

This year's theme was, "Accreditation: Supporting the Implementation of the Sustainable Development Goals." Moderated by Greg West, IAS director, customer success group, the event featured presentations from various individuals, including: Kwei Fern Chang, APAC chair and director of accreditation for the Singapore Accreditation Council/Enterprise Singapore; Tang Lin Teo, Ph.D., a member of the Executive Committee of the Asia Pacific Metrology Programme, a regional metrology organization and partner of APAC; Brian Krausz, lead for the U.S. EPA Energy Star Product Certification Program; Marcus Long, chief executive of IIOC; Aparna Dhawan, Ph.D., APAC CPC chair and joint director of NABCB; and Graeme Drake, APAC secretary.

To view a webinar recording of the event, [click here](#).



Third-Party Marks of Conformity Standard—Work in Progress!

By George Anastasopoulos, Ph.D.,
IAS Vice President of Global Development and Compliance

The revision process of the international standard ISO/IEC 17030:2003, “Conformity assessment – General requirements for third-party marks of conformity,” is in progress. The new draft version of ISO/IEC DIS 17030:2021, has been recently approved by ISO members.

The prime purpose of this standard is to enable a uniform approach to the use of third-party marks of conformity, to fill relevant gaps in existing ISO, IEC, ISO/IEC standards and guides, and to address potential problems arising from different uses of third-party marks of conformity. It concentrates on third-party marks of conformity but may also be used as guidance for other applications of marks of conformity.

Marks of conformity have different uses and can take different forms in various media such as employing QR codes, public ledger

technology (e.g., blockchain) or other electronic means. They are found on products and certificates and in publications denoting the conformity to specified requirements of a product, management system, service, process, person or an organization. Marks of conformity used on a product convey to the user that the product fulfills the requirements for characteristics such as its safety, quality, performance, reliability or impact on the environment. Most important for all marks of conformity is to gain the confidence of the market, including consumers, in products and other objects of conformity assessment to which these marks have been applied.

The standard is addressing issues related to the object of conformity assessment and providing answers to various questions, such as, “Which conformity assessment



body is providing the third-party mark of conformity?” “Who requires the third-party conformity assessment activity?” “Why is this third-party mark of conformity required?” “How is the information of conformity best transmitted to the interested parties (e.g., customers, users, government authorities)?”

The next step is to issue the final-draft version of the standard, and if possible, finalize the process by publishing it by the end of 2021.

IAS experts participate actively in many ISO technical committees, including ISO/CASCO, providing to all of us the latest updates for all developments related to conformity assessment issues.

IAS Activities in the Americas

In November 2020, IAS presented at INOFOOD, an event organized by Eurofins, an international group of laboratories based in Luxembourg with certain labs that are IAS-accredited. Attended by representatives from all sectors of the food industry, INOFOOD is one of Latin America's largest events promoting food safety.

During the summit, IAS Senior Global Manager Dimitrios Katsieris presented on the topic, “Laboratory Accreditation, an International Vision,” which gave insight on what is necessary to have an accredited laboratory and the importance of understanding the requirements for accreditation.

IAS also participated in a poster exhibition sponsored by INOFOOD and the Chilean Corporation for Food Protection (CHAPF), the Chilean chapter of the International Association for Food Protection. Prepared by Alberto Herrera, Mohan Sabaratnam and Vikram Haridass, Ph.D., the poster highlights the most common challenges that food testing laboratories face during the accreditation process. You can view the poster [here](#).

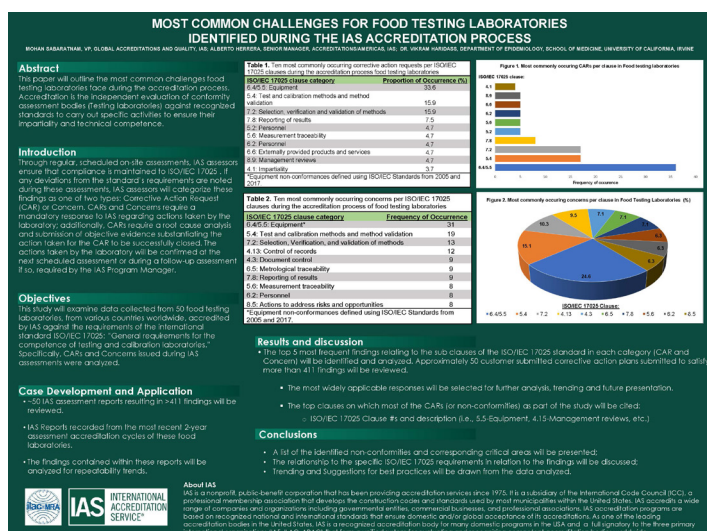
IAS continues to serve the needs of our customers and other inquirers from Latin American as manufacturers and service providers continue to seek access to North America and other global markets.

In this regard, to better serve the needs of our customers, IAS has is now Full Member of the InterAmerican Accreditation Cooperation (IAAC) and will also be seeking IAAC MLA membership and recognition. IAAC is a regional association of accreditation bodies and other organizations in the Americas. The organization's geographic territory includes most of Central and South America, Canada, the U.S.A. and Caribbean countries.

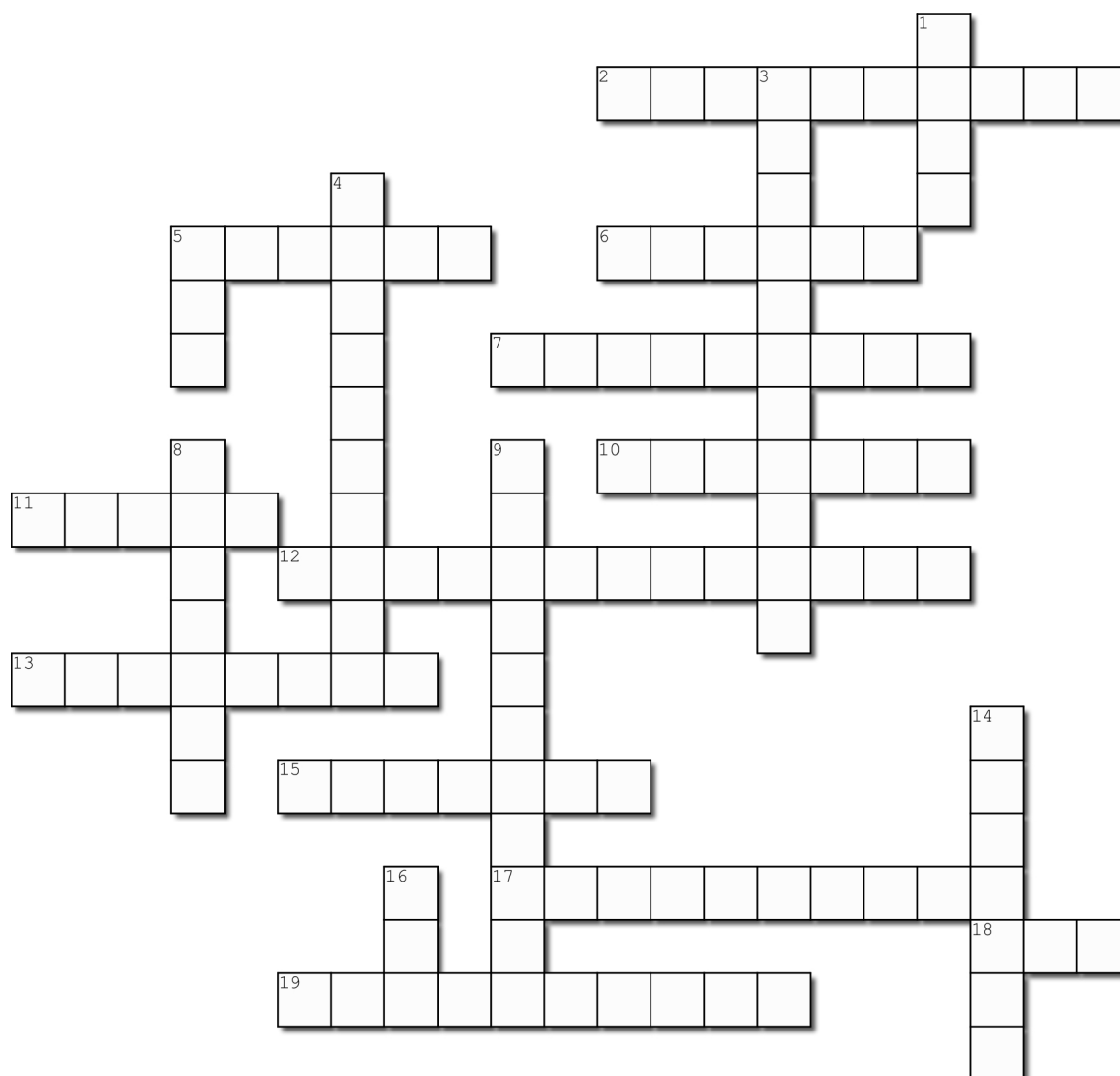
Similar to other regional associations, IAAC promotes an accreditation body's efforts to enhance conformity assessment structures, and works in close cooperation with COPANT, SIM, IAF, ILAC, EA, APAC, ARAC, AFRAC, OAS, PBT, IDB and other assessment bodies.

If you have further questions, please reach out to Alberto Herrera, senior manager, IAS Americas, at aherrera@iasonline.org.

Para mayores informes, por favor escriba a Alberto Herrera, gerente senior, IAS Américas, a aherrera@iasonline.org.



Accreditation Terms Crossword Puzzle




Vertical

1. Peril
3. The law
4. Conformity
5. Finding a problem's origin (root cause analysis)
8. Measurements
9. A vouching document
14. Validate
16. Core of ISO stds.

Horizontal

2. Empowered
5. Formal notice, record
6. Word in MRA
7. Norms
10. Systematic review
11. Regs
12. Word in EMS
13. Internal rules
15. Calibration lab buddy
17. Audit
18. Equal, for one
19. Scrutiny

 For Answer Key - see page 13

Glossary of Accreditation Acronyms

IAS PROGRAM NAME	IAS ACRONYM
Building Department Accreditation	BDA
Building Department Recognition	BDR
Calibration Laboratories	CL
California Environmental Laboratory Accreditation Program	CA-ELAP
Fabricator Inspection	FA
Field Evaluation Bodies	FEB
Fire Prevention and Life Safety Departments	FPD
Inspection Agencies	AA
Management Systems Certification Bodies	MSCB
Manufacturers of Cold-Formed Steel Components	MB-B
Medical Laboratories	ML
Metal Building Assemblers	MBA
Metal Building Systems	MB
Personnel Certification Bodies	PCB
Product Certification Agencies	PCA
Proficiency Testing Providers	PTP
Reference Material Producers	RMP
Special Inspection Agencies	SIA
Special Inspection Agencies – New York	SIA-NY
Testing Laboratories	TL
Training Providers and Training Course Developers	QPT

RECOGNITIONS	ACRONYM
Accreditation Scheme for Conformity Assessment	ASCA
Asia Pacific Accreditation Cooperation	APAC
California Air Resource Board	CARB
Environmental Protection Agency	EPA
Food and Drug Administration	FDA
International Accreditation Forum	IAF
International Laboratory Accreditation Cooperation	ILAC
National Environmental Laboratory Accreditation Conference	NELAC
National Lead Laboratory Accreditation Program	NLLAP
The NELAC Institute	TNI

ACCREDITATION TERMS	ACRONYM
Conformity Assessment Body	CAB
Corrective Action Request	CAR
Mandatory Document	MD
Non-conformity	NC
Quality Assurance	QA
Quality Control	QC
Quality Management System	QMS

STANDARDS	ACRONYM
Accreditation Criteria	AC
International Building Code	IBC
International Electrotechnical Commission	IEC
International Organization for Standardization	ISO

AOIL India Virtual Webinar

by Dimitrios Katsieris, IAS Senior Global Manager

On April 19th, IAS participated in the 4th Congress of Indian Laboratories, organized by AOIL (Association of Indian Laboratories), with a theme: "SYNERGY AMONG LABORATORIES, ACCREDITATION BODIES AND REGULATORS, INVOLVED IN PROVIDING QUALITY INFRASTRUCTURE". Mr. Dimitrios Katsieris, Senior Global Manager for Testing Laboratories and Food Accreditation Programs, made a presentation of the Conformity Assessment Structure, the Importance of Accreditation and the synergies that are necessary between Accreditation Bodies and Regulators in order to meet the end user needs for a safer and better world as a Guest of Honor.

The event was attended by representatives from several government and private laboratories in India, Accreditation Bodies and Regulators.

The Association of Indian Laboratories (AOIL) is a registered, non-profit making body that aims to serve as a common platform for all four disciplines of lab services across India; Testing, Calibration, GLP, and Medical.

IAS supports such initiatives around the world and contributes to the world conformity assessment structure by promoting the accreditation concept, cooperation between peers and knowledge sharing.



Technical Advisory Council – Building Department Accreditation Meeting

By Mike Bouse, IAS Accreditation / Recognition Program Manager

The IAS Technical Advisory Council-Building Department Accreditation (TAC-BDA) group conducted an online meeting on April 15, 2021. The meeting took place under the able chairmanship of Selso Mata, chief building official, city of Plano, Texas. TAC-BDA members, most of whom are from accredited jurisdictions, gave brief updates on various activities occurring in their respective jurisdictions. IAS President Raj Nathan gave an update on recent activities at IAS including several new initiatives implemented by IAS.

The TAC-BDA, like other IAS TACs, provides guidance on accreditation policies and requirements to IAS management on those programs under the scope of the TAC. The current membership of the TAC includes the following members:

- Selso Mata, Chairman, city of Plano, Texas
- Mo Bayat, city of Kelowna, British Columbia
- Hakim Bayyoud, Charleston County, South Carolina
- Scott Cope, city of Rochester Hills, Michigan
- Joel Dramis, city of Port St. Lucie, Florida
- Michael Shannon, city of San Antonio, Texas
- Rebai Tamerhoulet, city of Salem, Oregon.

Mike Bouse, IAS building department accreditation (BDA) program manager, reviewed the BDA program activities for 2021 and gave an

overview of other IAS program activities to occur in 2021. Bouse also reviewed various documents developed for the administration of the new Building Department Recognition (BDR) program. The chairman and other members of the TAC complimented him for developing a user-friendly document structure.

Laura Uraine, IAS customer success specialist, gave an overview of the IAS webpage for the new BDR program. During her presentation she highlighted the BDR online application, as well as the location of Recognition Criteria RC418 that contains the requirements applicable to BDR. You can view this webpage [here](#).

In addition to other technical matters on the agenda, the TAC-BDA members discussed the need for IAS to clarify the three payment options on the invoices for payment of annual renewal fees. The members expressed interest in a fee schedule that would combine all BDA accreditation fees (i.e., surveillance, renewal and reassessment) into a fixed amount to be paid annually over the three-year accreditation period. The members advised that such a fixed fee could be budgeted annually. The members further advised that a fixed-fee schedule would avoid the budget spikes that typically occur during the third year of accreditation when reassessment fees are due. IAS staff advised that a draft of an annual fixed-fee schedule would be developed and presented to the council for review and comment at a meeting in the near future.



The First Standard: Looking Back at the Dawn of Conformity Assessment

By George Anastasopoulos, Ph.D., IAS Vice President of Global Development and Compliance

A "standard" nowadays is considered a document established by a consensus of subject matter experts that is sometimes approved by an authority (i.e., regulator). It provides guidance on the design, use or performance of materials, products and/or processes.

Many of today's organizations are developing products and/or are offering services to satisfy consumer requirements based on standards, client requirements and relevant applicable regulations. In order to safeguard the quality, reliability, consistency and safety of those products and services, "quality control" was introduced. Quality control is the process of maintaining standards in manufactured products by testing a sample of the output against the specification.

Standardization, certification, quality control of products, consumer protection ... strange though it may seem, these are not modern discoveries of our technological culture!

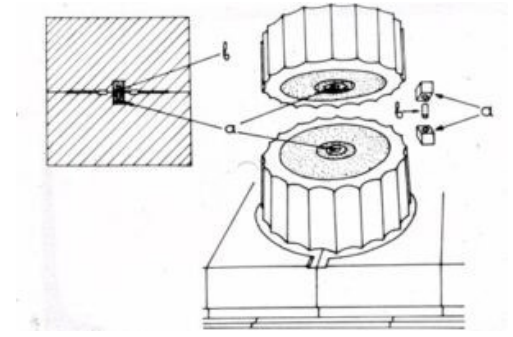


Inscribed stele from fourth century B.C. is the most ancient example of a technical standard.

The research of many scholars shows that their roots stretch far back into antiquity and that they were mastered by societies with high cultural and advanced technological levels. The Parthenon, for example, the temple on the Athenian Acropolis considered to be the zenith of classical architecture, couldn't be built without such a "quality" culture. The technical advancement of humanity is inconceivable without the application of norms to ensure the quality of the materials and the processes used. Historical evidence shows the ancient Greek civilization devised a statutory framework for quality—a basic requirement for the design and construction of the masterpieces of that era.

During classical times in Greece, there was a mechanism in place for the quality control, standardization and certification of items produced and sold in many city-states around the Mediterranean Sea. The ancient Greeks applied standards with very strict specifications supported by regulations with harsh penalties for anyone who did not comply. These standards covered the entire range of products made at that time—from metals and their alloys to agricultural products, foods, beverages, currency and even building products! This might seem strange, but it is nevertheless true.

It is worth mentioning that in 1863, D. Philios discovered an inscribed stele from fourth century B.C. in the city of Eleusis. The study of its text led to a very interesting conclusion—that this inscription is the most ancient example of a technical standard, with strict specifications for the manufacture of building materials known as "empolia" and "polio" (i.e., bronze fittings/dowels used to join the drums of columns in ancient buildings). The specifications concerned the origin, chemical composition and manufacturing process of the bronze fittings



Building materials known as empolia and polio (i.e., bronze fittings/dowels used to join the drums of columns in ancient buildings).

As an example, the inscription mentions this interesting fact: "... to shape hard bronze on the lathe into cylindrical dowels (b) according to a particular sample." This allusion to the manufacturing process also implies that a reference material/standard was used!

Most important, however, is the reference to the origin of the raw material and its composition as prescribed in this inscription: "... the copper must be produced in Marius, Cyprus [a large commercial and metallurgical center in antiquity] and of its twelve parts, eleven were to be of copper and one of tin." That is, approximately 92% copper and 8% tin. That was important not only from a structural point of view but also a financial perspective, considering the price of tin was seven times higher than copper!

Further study of this inscription's text leads to the astounding conclusion that standards and quality control principles were applied at least 2,600 years before the modern era. Interesting times, indeed!

References:

- "Ancient Greek Standards", George Varoufakis, Professor of the University of Athens, 1999
- "Engineering and Technology in Ancient Greece", Christos D. Lazos, 1992
- "The Inscribed Stele of Eleusis and Quality Control in Antiquity", Archaeology Magazine, June 2014
- "Eleusis", D. Philios, 78-79, Athens, 1896





Week 1:
May 1–9
Energy &
Innovation



Week 2:
May 10–16
Training the
Next Generation



Week 3:
May 17–23
Water Safety



Week 4:
May 24–31
Disaster
Preparedness

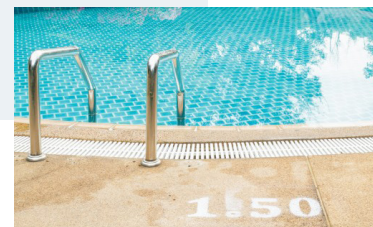
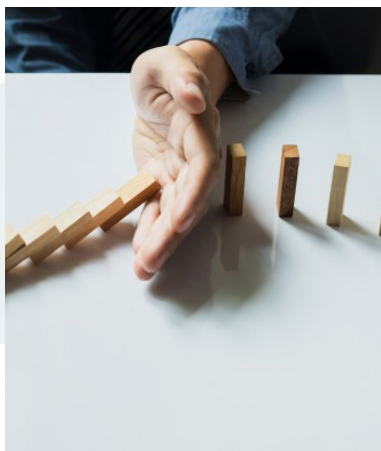
Building Safety Month Celebration of 2021

In May 2021, IAS participated in the 41st annual Building Safety Month, a worldwide campaign presented by the International Code Council (ICC) and its members and partners to promote building safety. This year's campaign, "Prevent, Prepare, Protect. Building Codes Save," was held virtually, raising awareness about the importance of building codes in ensuring safety in the spaces in which we live, work and learn.

IAS, a member of the ICC family of solutions, supports the mission of safe buildings and has many accreditation programs that support building safety, including: [Building Department Accreditation](#), [Testing Laboratory Accreditation](#), [Special Inspection Agency Accreditation](#), [Fabricator Inspection Accreditation](#), [Metal Building Systems Inspection Accreditation \(AC472\)](#), [Metal Building Assemblers Inspection Accreditation \(AC478\)](#), and [Product Certification Agency Accreditation](#).

As we prepare ourselves for the increased severity and frequency of natural disasters in the years ahead, building safety will become even more important. Disaster mitigation through the adoption and enforcement of building codes is one of the best ways for communities to prepare and protect against future disasters. Homes and buildings that are built in compliance with building safety codes—and the officials who enforce the codes—are essential to helping communities minimize the risks of death, injury and property damage in the event of a catastrophic event.

With an extensive history dating back to 2200 B.C. and the Code of the Hammurabi (an ancient text of laws enacted by the kings of the Babylonian empire), building codes have protected the public for thousands of years. The regulation of building construction in the United States dates back to the 1700s. Today, the [International Codes](#), developed by the ICC, are the most widely used and adopted set of building safety codes in the nation and around the world.



Promote Your Accreditation with the IAS Mark

If your organization is accredited by IAS, it should use every opportunity possible to promote its accreditation. One great way to do this is with the IAS Accreditation Mark, which is uniquely styled for each type of accreditation program. The mark can be displayed on company websites, flyers, business cards, signs, clothing, reports, etc.

This iconic symbol includes a graphic representation of the IAS logo with the word "accreditation" and the name of the specific program. For example, the accreditation mark for testing laboratories will include the phrase "testing laboratory."

There are two version available for each mark. The first version is a horizontal format displaying the wording to the side of the logo. The second option is a vertical format showing the wording below the mark. The marks are available in green or black.

Rules for using the mark are covered in the IAS rules of procedure for each accreditation program. For example, it is not permitted to use the mark in a way that makes it look like IAS endorses a specific company, product or service. Another rule—do not misrepresent your accreditation by including the mark with information about a service your company offers that is not included in the scope of your accreditation. Finally, the colors of the mark should not be changed, and the symbol should be used in a size that is legible.

Request a Mark

To obtain a copy of the IAS Accreditation Mark, send an email to RequestaMark@iasonline.org. Please be sure to include the name of your company, the accreditation program, and accreditation number.

Send Us a Picture

We would love to see how you are using the IAS mark. It might even be included in a future issue of the IAS newsletter. So please send pictures to RequestaMark@iasonline.org.



TNI Training Workshop

Hosted by the BACWA Laboratory Committee

On April 20, 2021, Tony Francis, Ph.D. and Duncan Millar took part in a panel discussion with the Bay Area Clean Water Agencies (BACWA) Laboratory Committee. BACWA members include the many municipalities and special districts that provide sanitary sewer services to more than 7 million people in California's San Francisco Bay Area. Thirty-one representatives from various water testing laboratories participated. The Central Valley Clean Water Association—whose members provide wastewater collection, treatment and water recycling services to millions of Central Valley residents and businesses—also attended, with about 15 guests participating.

Joining the IAS team on the panel were John and Kathryn Gumpfer of ChemVal Consulting as well as Ken Brown, laboratory quality assurance officer from the city of Escondido.

The topic of discussion was, "California Municipal Labs and the TNI Standard – Finding a Guide." One of the challenges that utilities and jurisdictions face in the wake of

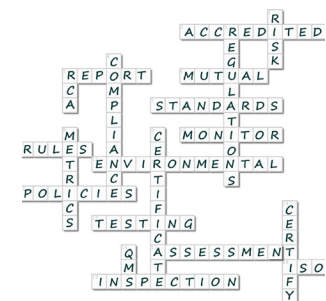
the recent changes enacted by California's State Water Resources Control Board and the Environmental Laboratory Accreditation Program (ELAP) is understanding what is required of laboratories and the resources that exist to usher them through what has been a somewhat challenging process.

Millar presented an overview of IAS and how both private and public laboratories can gain their certification with the State of California through the assessment process. He touched on the strengths of IAS as well as its technical acumen and processes for enabling laboratories to accomplish their goals. Additionally, Francis addressed specific questions on technical issues during a detailed question-and-answer session.

Dan Jackson, the laboratory committee chair, said that the event was "very well-received" and that it was "far livelier than usual." Bolstered by such positive feedback, IAS seeks to participate in future events related to water quality in California and throughout the United States—not only to educate others, but to entertain as well!



ANSWER KEY



HORIZONTAL: 2. accredited; 5. report; 6. mutual; 7. standards; 10. monitor; 11. rules; 12. environmental; 13. policies; 15. testing; 17. assessment; 18. ISO; 19. inspection
VERTICAL: 1. risk; 3. regulations; 4. compliance; 5. RCA; 8. metrics; 9. certificate; 14. certify; 16. QMS



Connect with Us

IAS on Social Media

If you haven't connected with IAS on social media platforms, then you are missing out on the latest accreditation news. IAS provides periodic news updates and information on dedicated pages on [Twitter](#), [Facebook](#), [LinkedIn](#) and [YouTube](#). To find us, go to any of these pages and search for International Accreditation Service.

Promote your Accreditation

IAS customers can promote their accreditations with IAS Accreditation Program Symbols. The symbols can be used in advertisements, websites, brochures, exhibit booths, and other places to promote IAS accreditation. For accreditation symbols, send email to requestamark@iasonline.org.

Let us know what you think

IAS strives to continually improve our services and welcomes feedback, positive or negative, which we will use to provide better service to our clients and stakeholders. Visit the [Contact Us](#) page of the IAS website to share your comments.



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