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If you have any comments or suggestions related to the updates below, please contact us at intsect@standards.org.au.

ISO/IEC Governance and Leadership

Australia holds positions on several key international governance groups, including ISO's Technical Management Board (TMB) and IEC's Standardization Management Board (SMB), Conformity Assessment Board (CAB) and Council Board (CB). These positions give Australia a voice on the policy, operational and strategic direction of ISO and IEC.

1. [Recap of ISO/IEC Governance and Leadership in 2021](#)

It has been a strong year for Australian representation in ISO and IEC Governance and Leadership in 2021. With Australia holding a number of key elected positions, we have been able to shape decision making and contribute to meaningful change at both ISO and IEC.

Highlights from 2021 include:

- Success in the ISO Council Election for the term 2022-2024. Standards Australia CEO Adrian O'Connell was elected at the ISO General Assembly in September for a first term in the ISO Council. This provides a key opportunity for Australia to shape the strategic direction for ISO in the coming years.
- Australia were also key contributors to the IEC Governance Review, with Kareen Riley-Takos playing a leading role in the development of new organisational Statutes and Rules of Procedure that will come into force in January 2022. These reforms prioritise transparency, diversity and accountability.
- Through our representation on ISO/TMB and IEC/SMB, Australia helped shape new Guidance on Virtual and Hybrid Meetings, advocating for Australians and ensuring that guidance on equitable rotation of time zones was a central component of this guidance.
- Australia has been able to take on leading roles in critical areas of work, including leading the ISO Strategic Advisory Group on Critical Minerals and the IEC Council Board Task Force on SMART Standards.
- Consultation and information sessions with Australian contributors to international standards development were held in May and November this year. These sessions have ensured that representatives are kept up to date on the priorities and needs of Australians and use this as a mandate to push for change on the international stage. Similar session will be convened in 2022.

We look forward to a successful 2022 in international standards development and look forward to continuing our engagement with Australian contributors in the new year. Please continue to send any feedback, ideas and insights to intsect@standards.org.au.

ISO Technical Update

1. [Driver Training – Intelligent training system for vehicle driving: New Work Item Proposal](#)

A proposal for a new work item on *Driver Training – Intelligent training system for vehicle driving* has been submitted by SAC (China). Standards Australia invites stakeholders to share their views on the proposal to help inform the Australian position (feedback is requested **by 20 January 2022**).

The proposal specifies the terms and definitions, requirements (including the function requirements and performance requirements), test methods, packaging, transportation and storage of the intelligent training system for vehicle driving, not including the equipment of this system. It is applicable to the design, development and delivery of the intelligent training system for vehicle driving.

To provide feedback or learn more about the proposal, please contact us at intsect@standards.org.au.

2. [Invitation to an international workshop on Live streaming marketing services](#)

The National Standards Body from China has issued an invitation for stakeholders to participate in an international workshop on live streaming marketing service, to be held virtually in March and June.

The aim of the project is to develop an [International Workshop Agreement \(IWA\)](#) by refining the practice of live marketing companies on a global scale. The IWA will meet the growing consumer demand, help companies use live streaming as a marketing tool to facilitate online business, as well as provide suggestions for companies to collect or recruit live streaming marketing talents. Hence, the workshops and the IWA formed through the process will help the live streaming marketing industry to develop more sustainably.

For further information please contact international.participation@standards.org.au.

IEC Technical Update

1. [Promoting cultural and geographical diversity](#)

Each year at their annual workshop, the IEC Young Professionals elect three leaders to serve as the YP ambassadors within the IEC community. As part of their mandate, IEC YP Leaders are asked to implement projects that can benefit the IEC community.

At the recent IEC YP workshop held alongside the IEC General Meeting, IEC YP Leaders from 2019, Baoying Tong and Shuo Wang, presented the outcomes of their projects that sought to strengthen and increase participation in the IEC YP Programme.

Baoying Tong was an IEC Young Professional from Australia for 2019.

Read more [here](#).

2. [IEC White Paper highlights standardization challenges for quantum information technologies](#)

When is the right time to begin standardization work on new and emerging technologies? Starting too early risks stifling innovation by promoting immature or inferior technologies, as well as giving specific countries or companies an unfair advantage. Starting too late risks fragmentation and locking consumers into vertical markets, possibly at the cost of safety and efficiency.

According to a new IEC White Paper on Quantum information technology (QIT), the right time to start is when a number of global companies have developed either commercial products or prototypes. At the same time, no standardization work can happen without a global pool of experts who are prepared to work together. There must also be a consensus among multiple stakeholders, such as industry, consumers and regulators. Once these conditions have been met, other considerations include technological and market maturity, the level of risk, regulatory needs and the political climate.

The IEC White Paper points out that quantum technologies are at different levels of maturity. While quantum computing may still be 10 or 15 years away from going mainstream, quantum key distribution (QKD), for example, already offers well-established commercial solutions.

Read more [here](#).

3. [International standards enhance safety and performance of printed electronics](#)

Printed electronics use printing methods to make electrical devices on different types of materials (substrates), to create functional electronics devices, such as transistors, capacitors, and resistors.

This flexible, light technology can be customized to any shape or size and is being used in many industries, enabling advancements, including in agriculture for improved food safety, automotive for enhanced passenger safety, manufacturing for increased performance and cost reductions through predictive maintenance and diverse applications for health and well-being.

Supporting this technology, are international standards developed IEC Technical Committee 119, which cover terminology, materials, processes, equipment, products and health, safety and sustainability of printed electronics.

IEC TC 119 recently published IEC 62899-201-2, Printed electronics - Part 201-2: Materials - Substrates - Measurement methods for properties of stretchable substrates, and IEC 62899-202-4, Printed electronics - Part 202-4: Materials - Conductive ink - Measurement methods for properties of stretchable printed layers (conductive and insulating).

Australia is currently a non-member of IEC TC 119.

Read more [here](#).