

International Organisation of Legal Metrology (OIML) Update

IECEx Management Committee Meeting, 17 – 18 September 2026

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OIML-CS Executive Secretary

- The OIML is an “**international standard-setting body**” in the sense of the World Trade Organization’s Technical Barriers to Trade Agreement (WTO TBT)
- We are an **intergovernmental treaty organization**, established in 1955, which develops model regulations and related documents for use by legal metrology authorities and industry
- The OIML provides a **mutual recognition system** which **reduces trade barriers and costs** in a global market

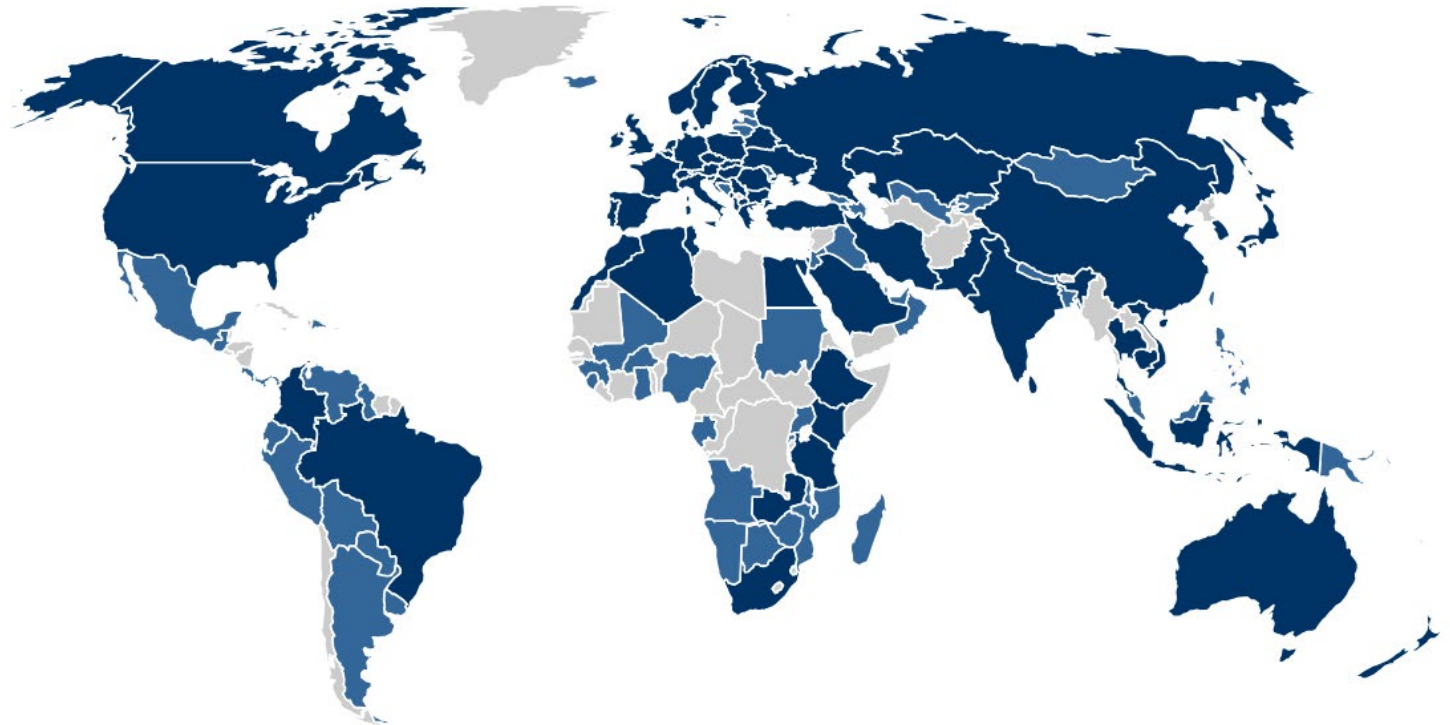
The **mission** of the OIML is to enable economies to put in place effective legal metrology infrastructures that are mutually compatible and internationally recognized, for all areas for which governments take responsibility, such as those which facilitate trade, establish mutual confidence and harmonize the level of consumer protection worldwide.

OIML Membership comprises:

- Member States (countries that have ratified the [OIML Convention](#)), and
- Corresponding Members (countries or economies that are not yet Member States, but that are interested in the work of the OIML)

129 Members

 63 OIML Member States
 66 OIML Corresponding Member Countries



The **four pillars** of the OIML's activity are:

1. **production and publication of technical standards (recommendations)**, including various publications and guides
2. **operating the OIML Certification System (OIML-CS)** which is a mutual recognition system for measuring instruments used in legal applications such as trade
3. **capacity building and outreach initiatives** through our Countries and Economies with Emerging Metrology Systems (CEEMS) program, and
4. **cooperation with international organisations** to advocate the importance of legal metrology as part of the Quality Infrastructure



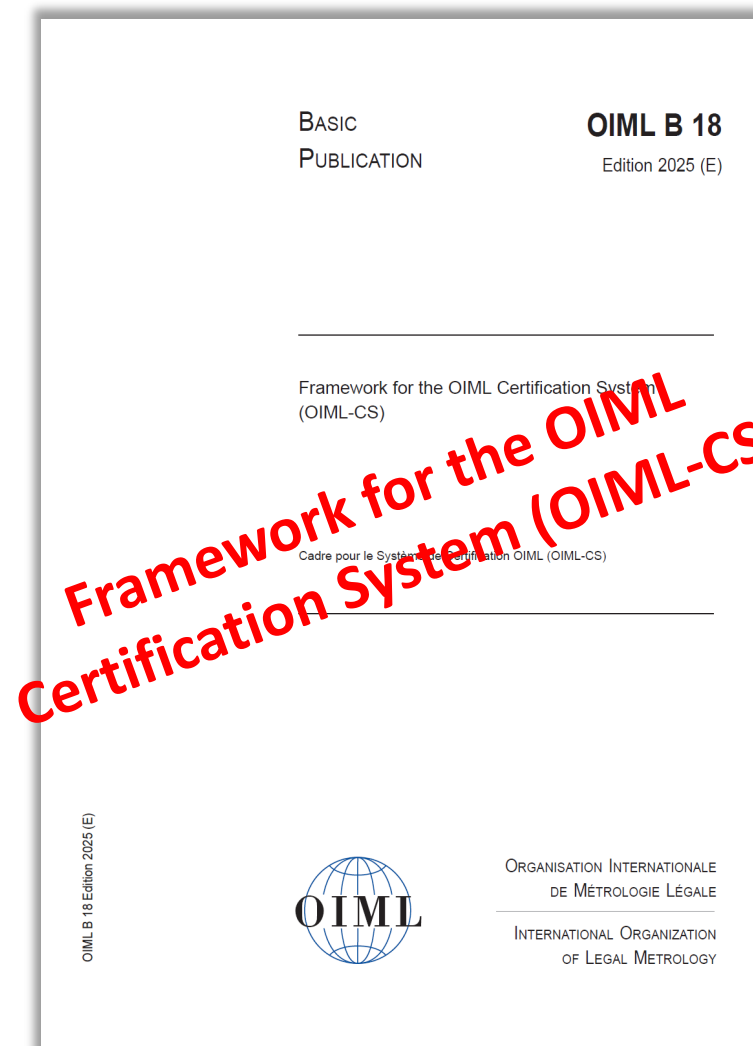
Metrology facilitates growth

- Metrology is encountered everywhere in trade, health, the environment and safety
- Ensuring there are metrological regulations in place reduces wasted resources and money, and protects buyers and sellers
- Eliminating even small measurement errors reduces the risk of serious economic and environmental consequences leading to faster growth and increased security
- Creating global standards for use in legal metrology legislation is the role of the OIML
- OIML Recommendations (standards) are model regulations specifying the metrological and technical requirements for measuring instruments



Organisation Internationale de
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International Organization of
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OIML Certification System (OIML-CS)

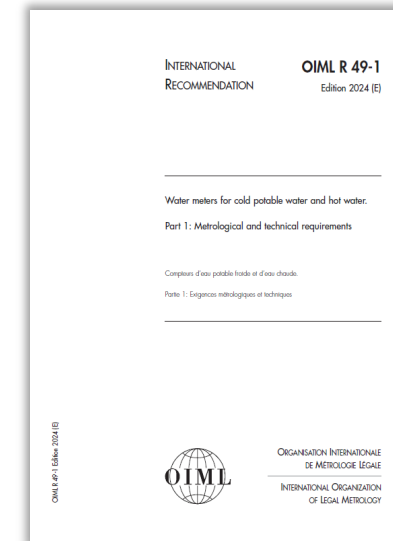


- The OIML-CS is a system for issuing, registering and using OIML certificates and their associated type evaluation reports for measuring instruments based on the requirements specified in OIML Recommendations
- It is a single Certification System with two Schemes:
 - “Scheme A”
 - “Scheme B”
- Classified as Scheme 1a (ISO/IEC 17067): type approval only
- Aims to facilitate, accelerate and harmonise the work of national and regional bodies that are responsible for type evaluation and type approval of measuring instruments subject to legal metrological control

- It is a voluntary system and OIML Member States and Corresponding Members are free to participate
- Signing a Declaration commits, in principle, the signatories to abide by the rules of the OIML-CS
- OIML B 18 establishes the rules whereby signatories voluntarily accept and utilise OIML type evaluation reports, when associated with an OIML certificate issued by an OIML Issuing Authority, for type approval or recognition in their national or regional metrological controls
- Requires a type evaluation of sample(s) of measuring instruments which should be representative of the production
- Does not include any formal evaluation to establish that the type is representative of the production

- Promote global harmonisation, and the uniform interpretation and implementation of legal metrological requirements for measuring instruments
- Avoid unnecessary re-testing when obtaining national type evaluations ... while achieving and maintaining confidence in the results in support of facilitating global trade of instruments
- Establish rules and procedures for fostering mutual confidence in the results of type evaluations

- 42 OIML Recommendations are in the OIML-CS
- 39 currently in Scheme A
- Three are in Scheme B and will transition to Scheme A
- OIML Recommendations are intended as model regulations
- Member States morally obliged to implement them
- OIML Recommendations include:
 - Metrological and technical requirements
 - Test procedures
 - Test report and type evaluation report formats



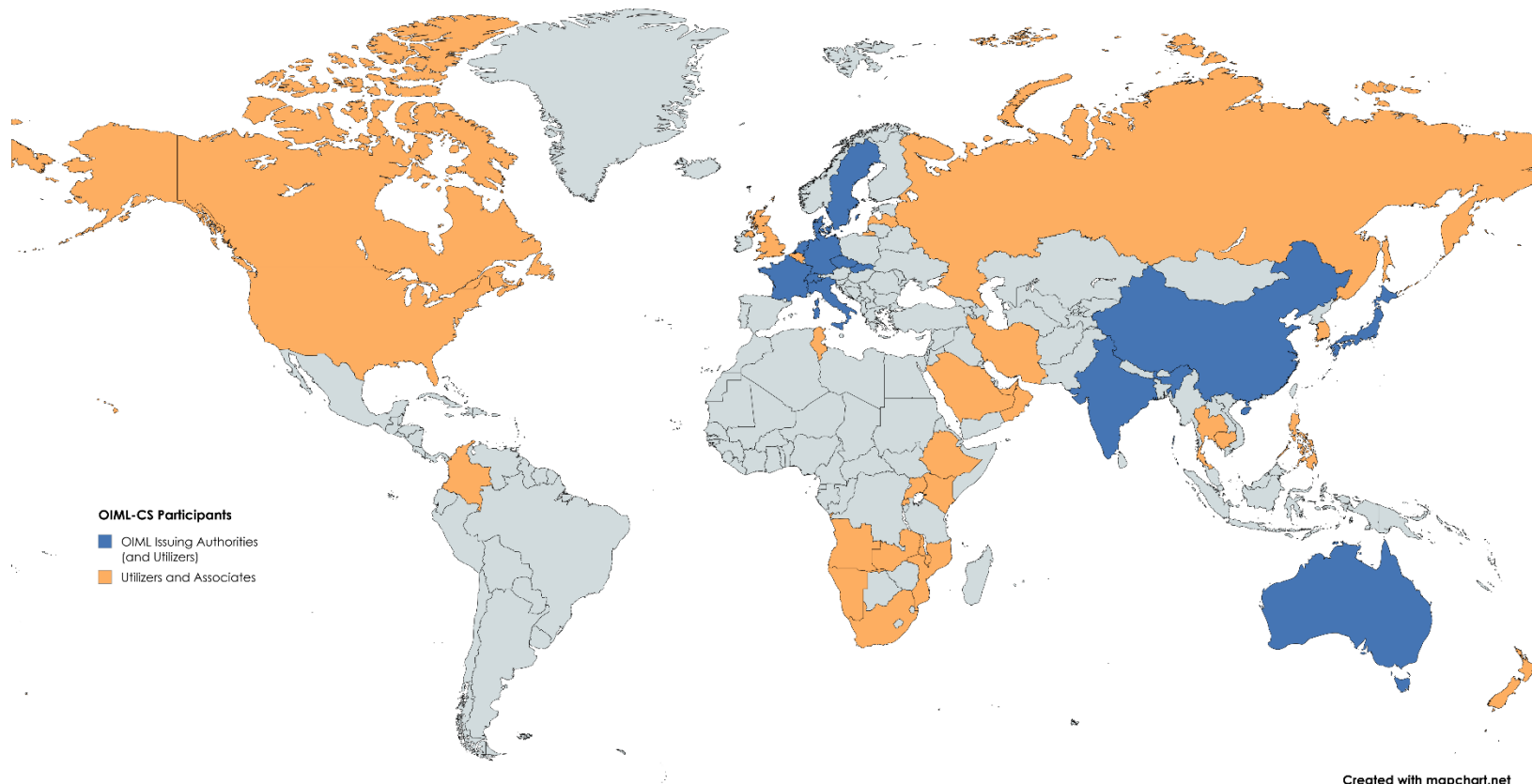


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Participants in the OIML-CS



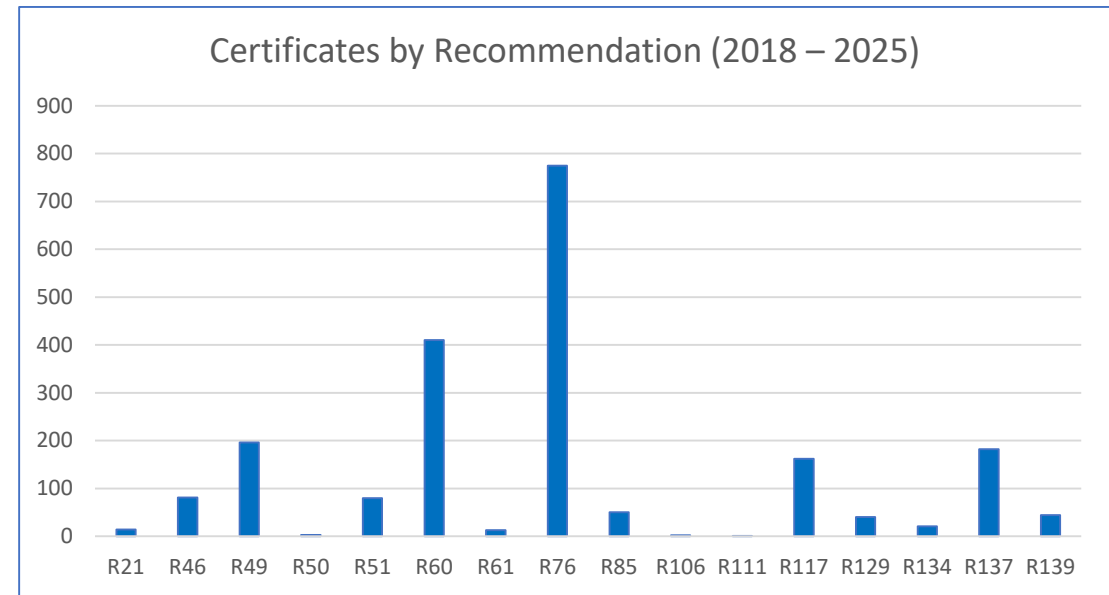
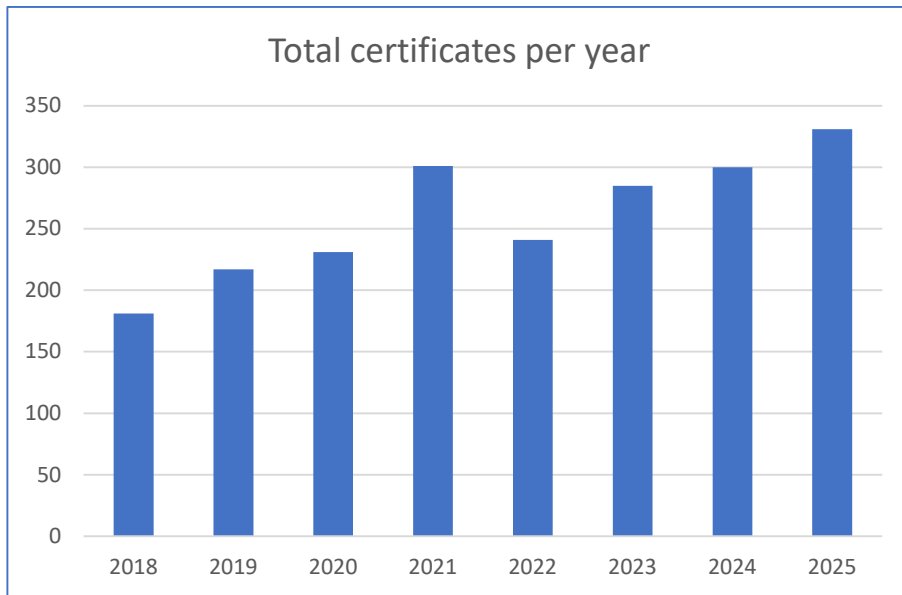
- 14 OIML Issuing Authorities and 28 Test Laboratories approved under the OIML-CS
- 42 Utilizers and Associates (+5 from 2025-09)



Requirements (OIML IAs and TLs)

- Requirements for the participation of OIML Issuing Authorities and their Test Laboratories in Scheme A and Scheme B are the same, but the method of demonstrating compliance is different
- **OIML Issuing Authorities** are required to demonstrate compliance with **ISO/IEC 17065**
- **Test Laboratories** are required to demonstrate compliance with **ISO/IEC 17025**

OIML-CS certificates issued



OIML-CS Management structure

- Management Committee is responsible for the operation of the OIML-CS
- Meets annually and reports to the CIML
 - Marc Schmidt, NL (Chairperson)
 - Katharina Gierschke, DE (Deputy Chairperson)
- 11th Management Committee meeting and associated events held in Bogotá, Colombia (16 - 19 March 2026)
- Working Group meetings and an OIML-CS workshop
(<https://www.youtube.com/live/GnzXBIRTrq0?si=BiSqVZUgVOQHDFc->)



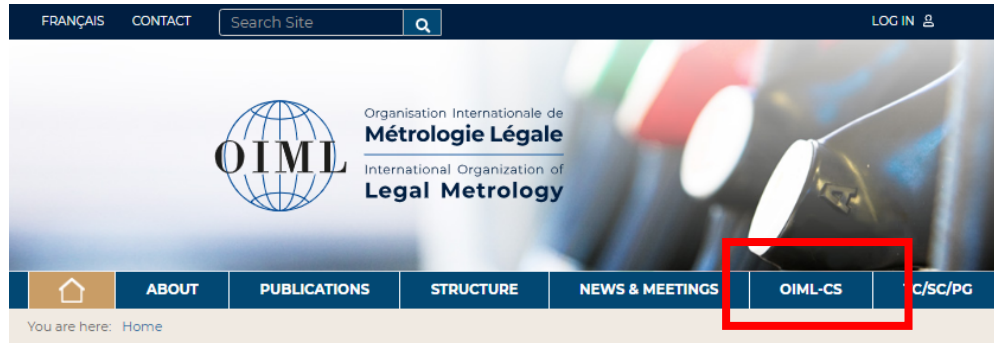
Key topics discussed

- 4-yearly re-approval of OIML Issuing Authorities and Test Laboratories
- Exploring the possibility of including Conformity to Type (CTT) in the OIML-CS
- Modular approach
- Review of the assessment requirements for OIML IAs and TLs (accreditation / peer assessment)
- Global ACI (formerly IAF/ILAC) endorsement of the OIML-CS
- Technical developments
 - future OIML Recommendations (e.g. EVSE, DC meters, etc.)
 - MID targeted amendment
- Developments regarding ISO/IEC standards (e.g. ISO/IEC 17065 Amendment)
- High priority publications and periodic reviews
- Digitalisation update

- Global ACI 'endorsement' of the OIML-CS has been obtained to assist with ISO/IEC 17065 accreditation of OIML Issuing Authorities
- Exploring the possible inclusion of Conformity to Type (CTT) in the OIML-CS
- Continued expansion of scope to include additional Recommendations:
 - Electric Vehicle Supply Equipment (EVSE), DC electricity meters
 - OIML R 91 (Traffic speed meters) now included in Scheme B
- Modular approvals – proposal has been developed for the use of separately approved modules used in complete measuring instruments
- Assessment requirements (use of accreditation / peer assessment)

OIML-CS - further information

www.oiml.org/en/oiml-cs



Welcome to the OIML website

The mission of the OIML is to enable economies to put in place effective legal metrology infrastructures that are mutually compatible and internationally recognized, for all areas for which governments take responsibility, such as those which facilitate trade, establish mutual confidence and harmonize the level of consumer protection worldwide.

Key facts and figures:

- 91 active projects
- 1140 registered technical experts
- 195 technical publications
- 127 Members
- Since 1955

The OIML is an "international standard-setting body" in the sense of the World Trade Organization's Technical Barriers to Trade Agreement. OIML publications should therefore be applied, when appropriate, by all signatories of the TBT Agreement when developing technical regulations, in application of Article 2.4 of that Agreement.

[READ MORE](#)



Technical work

Publications development by
OIML TCs, SCs and PGs



OIML-CS

OIML Issuing Authorities,
Utilizers, Associates, Certificates



CEEMS

Countries and Economies with
Emerging Metrology Systems

Welcome to the OIML-CS homepage



The OIML Certification System (OIML-CS) is a system for issuing, registering and using OIML certificates and their associated OIML type evaluation/test reports for types of measuring instruments (including families of measuring instruments, modules, or families of modules), based on the requirements of OIML Recommendations.

An animated video "Introduction to the OIML Certifications System (OIML-CS)" was uploaded to the OIML YouTube channel on 2023-09-29.

[READ MORE](#)



Search OIML Certificates

Use the search facility to search for
registered OIML-CS certificates

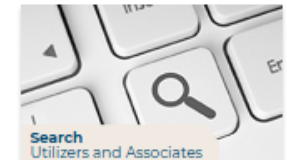
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Search OIML Issuing Authorities

Use the search facility to search for
OIML Issuing Authorities and Test
Laboratories

[READ MORE](#)



Search Utilizers and Associates

Use the search facility to search the
scopes of the Utilizers and Associates

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Documents and forms

Click to view the documents and
forms that support the operation of
the OIML-CS

[READ MORE](#)



Categories of instruments

Click to view the table showing the
measuring instrument categories in
the OIML-CS and their Scheme (A or
B) in the OIML-CS...

[READ MORE](#)

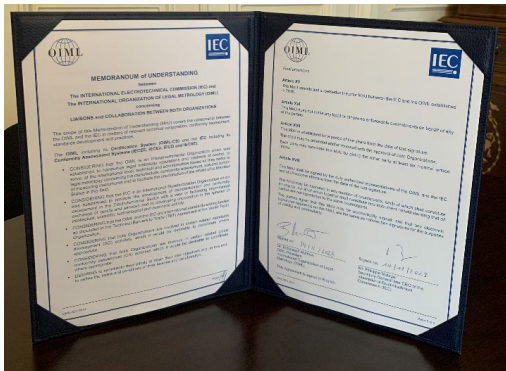


Management structure

Click to view the management
structure of the OIML-CS

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- IEC / OIML MoU originally signed in 2011, renewed in 2018 and renewed again in 2023



Signing of the renewed MoU in Geneva on 14 November 2023.

Left: Dr Bob Joseph Mathew (CIML President)

Right: Mr Philippe Metzger (General Secretary and CEO of the IEC)

- IEC support to the development of the OIML-CS
- Acknowledgement regarding use of IECEx IP in OIML B 18 *Framework for the OIML-CS*

Decision 2023/37

The meeting accepted a report on an update of the OIML-CS and supported the reactivation of the Joint Working Group (JWG) between IECEx and OIML.

Resolution no. CIML/2023/32

Agenda item 15.2

The Committee,

Noting its Resolution 2018/13 regarding the establishment of a Joint OIML-IECEX Working Group (JWG),

Noting the report in Addendum 15.2 to the Working Document for this meeting,

Supports the reactivation of the JWG,

Requests Dr Bob Joseph Mathew to replace Dr Roman Schwartz as one of the OIML representatives on the JWG, and

Encourages CIML Members to put forward nominations to represent the OIML on the JWG.

Joint IECEx / OIML Working Group (JWG)

- Bob Joseph Mathew (OIML) is the JWG Convener
- The reactivated JWG will build on outcomes of first JWG meeting in September 2019
- Online meeting of Joint IECEx / OIML Working Group (JWG) – aim for Q4 2026
- Introductory meeting for new participants, determine route forward, plan for an in-person meeting in 2027
- IEC / OIML Joint Work Programme to explore further opportunities for cooperation between the two organisations - for the benefit of manufacturers dealing with measuring instruments used in Ex environment
- Current JWG ToR:

In accordance with the provisions of the IEC OIML MoU (October 2018), especially Article X, the IECEx and OIML agreed to explore areas for collaboration in an effort to prevent duplication by making use of existing deliverables in the field of “Ex” and provide proposals for consideration by both OIML and IECEx*

** To be updated to reflect renewed MoU in 2023*

JWG meeting outcomes – September 2019

- Review of representation on the JWG
- Updates on the status of the respective schemes (activities, developments, future meetings)
- Exploration of areas for cooperation
 - identifying common manufacturers across both systems
 - assessment and monitoring of Certification Bodies
 - processes for the acceptance of Manufacturer's Test facilities
 - possible use of the IECEx online certificate system to add attachments to certificates
 - intercomparisons / proficiency testing
 - monitoring of experts participating in accreditations and peer assessments
 - full conformity assessment system (OIML-CS)

Actions and future plans – ideas

- Consideration of mechanisms to assist manufacturers requiring both OIML-CS and IECEx certifications
- Activities of the JWG to be fed into the higher level IEC / OIML Joint Work Programme
- Standing invitations for participation in the respective meetings of each organisation
- OIML to consider the IECEx online certificate system for the possible use of the system to add attachments to certificates
- OIML to consider the IECEx approach to determining competence through accreditation and peer assessments

Thank you for your attention

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www.oiml.org/en