



Organisation Internationale de
Métrologie Légale
International Organization of
Legal Metrology

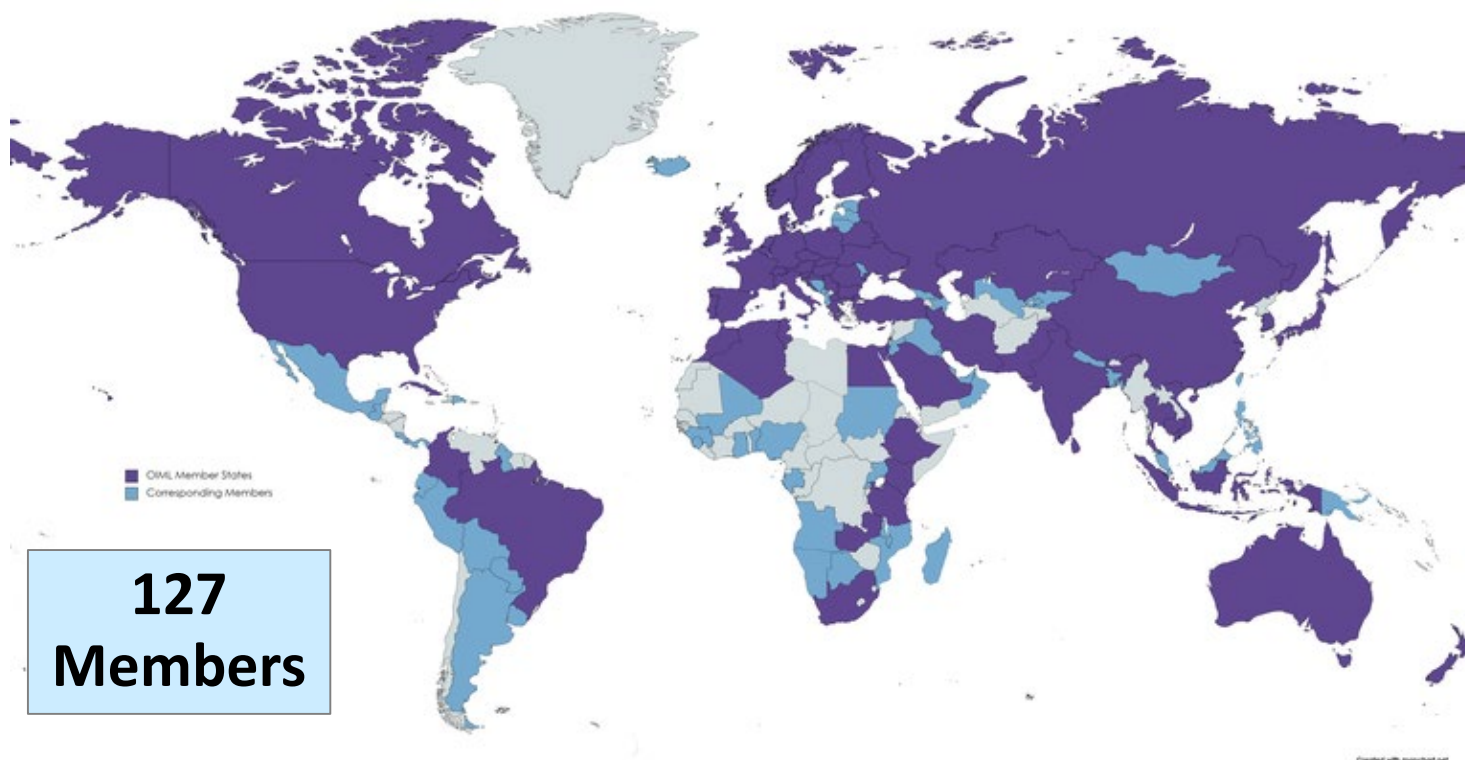
EURAMET General Assembly Meetings 2023

Update from the OIML

Paul Dixon
BIML Assistant Director



OIML Membership



- 63 OIML Member States
- 64 OIML Corresponding Member Countries



CIML Presidency

CIML President: Dr Roman Schwartz

CIML First Vice-President: Dr Charles Ehrlich

CIML Second Vice-President: Dr Bob Joseph Mathew

- At the 57th CIML Meeting, Dr Bob Joseph Mathew was elected as the next CIML President
- Dr Mathew will take over from Dr Schwartz, who will step down as CIML President at the beginning of the 58th CIML Meeting (October 2023)
- Elections for CIML First and Second Vice-Presidents will take place at the 58th CIML Meeting



CIML Meetings

- 57th CIML Meeting held online from 18–22 October 2022
- Over 160 participants from OIML Member States, OIML Corresponding Members, and organisations in liaison
- A summary report and the Resolutions are available on the OIML website at:

<https://www.oiml.org/en/structure/ciml/sites>

- 58th CIML Meeting will be held as an in-person meeting in Chiang Mai, Thailand, from 17–19 October 2023
- Seminar on 16 October: *The future of the OIML in the digital era*



OIML Technical work

Publications approved at 57th CIML

- Revision of B 8:2012 *OIML Financial Regulations*
- Revision of B 12:2004 *Policy paper on liaisons between the OIML and other bodies*
- Revision of B 18:2018 *Framework for the OIML Certification System (OIML-CS)*
- Revision of B 19:2017 *Terms of Reference for the Advisory Group on CEEMS*
- Revision of D 5:1982 *Principles for the establishment of hierarchy schemes for measuring instruments*

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OIML Technical work

Publications approved at 57th CIML

- Revision of D 10:2007 ILAC-G24/OIML D 10 *Guidelines for the determination of recalibration intervals of measuring equipment used in testing laboratories*
- New Document (D 37) *Guide for the application of ISO/IEC 17020 to the assessment of OIML Issuing Authorities under the OIML-CS*
- Update of V 1:2013 *International vocabulary of terms in legal metrology (VIML) (bilingual French-English) / Vocabulaire international des termes de métrologie légale (VIML) (bilingue français-anglais)*
- Reconfirmed: R 139:2018 *Compressed gaseous fuel measuring systems for vehicles*



OIML Technical work

New Projects approved at 57th CIML

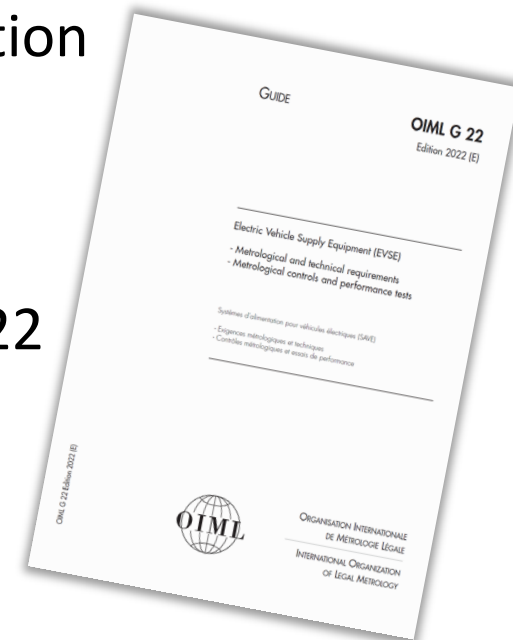
- Revision of B 6:2019 *Directives for OIML technical work. Part 1: Structures and procedures for the development of OIML publications and Part 2: Guide to the drafting and presentation of OIML publications*
- Revision of D 11:2013 *General requirements for measuring instruments - Environmental conditions*
- Revision of R 75:2002 *Heat meters*
- Revision of R 137:2012 *Gas meters*



OIML Technical work

Electric Vehicle Supply Equipment (EVSE)

- As part of the revision of OIML R 46 *Active electric energy meters* it was planned to add a new annex on EVSE
- Growth in demand for electric vehicles has led to an urgent need for harmonised regulations and standards
- The 56th CIML Meeting (Oct 2021) approved a new project to create an OIML Guide on EVSE, then a Recommendation
- OIML G 22:2022 *Electric Vehicle Supply Equipment (EVSE)* published in September 2022
- OIML WebTalks webinar on EVSE held in October 2022
- Project Group is now developing the OIML Recommendation for EVSE





OIML Certification System (OIML-CS)

- Launched on 1 January 2018 to replace the OIML Basic System and OIML Mutual Acceptance Arrangement (MAA)
- Basic System based on *self-declaration*
- MAA utilised *accreditation* or *peer assessment* for the Test Laboratory (ISO/IEC 17025)
- OIML B 18 *Framework for the OIML Certification System*
- Type approval only - classified to Scheme 1a (ISO/IEC 17067)
- A single system, with two schemes:
 - Scheme B – self-declaration
 - Scheme A – accreditation or peer assessment



OIML Certification System (OIML-CS)

- 39 categories of measuring instrument in the OIML-CS, all of which are now in Scheme A
- Currently 12 OIML Issuing Authorities and 26 Test Laboratories approved under the OIML-CS
- 35 Utilizers and Associates – The Philippines and UAE have recently joined
- Manufacturers use an OIML certificate and/or type evaluation report to obtain national or regional type approval (avoids the need for repeat testing)
- Utilizers/Associates benefit from not having to invest in test facilities



Countries and Economies with Emerging Metrology Systems (CEEMS)

- Activities associated with CEEMS overseen by an Advisory Group
- Mr Peter Mason stepped down as CEEMS AG Chairperson at the end of 2022
- Mr Jaco Marneweck (ZA) was appointed as the new CEEMS AG Chairperson and Mr Han Jianping (CN) was appointed as CEEMS AG Vice-Chairperson by the CIML
- Revision of B 19 *Terms of Reference for the CEEMS AG* published in November 2022
- New OIML publication G 23 *Guide to the use of online technology for conducting CEEMS activities in a post-COVID world* published in January 2023



Countries and Economies with Emerging Metrology Systems (CEEMS)

- Key points from the CEEMS AG Work Plan:
 - Collaboration with the BIPM to develop an e-Learning package and other materials on D 1 *National metrology systems – Developing the institutional and legislative framework*
 - An OIML Training Event on *Prepackaged goods according to OIML R 79 and OIML R 87* will take place at DAM in Germany from 3–7 July 2023
 - The CEEMS/p 1 project on the revision of D 14 *Training and qualification of legal metrology personnel* will be restarted



International cooperation

OIML/BIPM Joint Task Group

- The JTG has progressed a number of key initiatives to benefit the two Organisations
- The Joint Statement of Intent on digital transformation in the international scientific and quality infrastructure
- e-Learning initiatives
- Advancing the World Metrology Day proposal with UNESCO to achieve designation as a “UNESCO World Metrology Day”



International cooperation

RLMO Round Table (RT)

- Forum for the six participating Regional Legal Metrology Organisations to share information
- Interim RT meetings have been instituted leading to increased discussion, planning, and sharing of ideas
- Open Forum Discussion topics:
 - “How is your RLMO approaching ‘digitalisation’ pertaining to measuring instruments in your region?”
 - “How is your RLMO approaching the regulation of smart meters in your region?”
- Consideration is now being given to broadening participation for some meetings to other stakeholders



Digitalisation Task Group and the JSI

- The digital transformation of all organisations is advancing at a rapid pace on a global scale
- Transformation will affect metrology, standardisation, accreditation, conformity assessment and market surveillance
- A strategic OIML Digitalisation Task Group (DTG) has recently been established
- DTG objective: to examine all relevant matters, technological advancements and opportunities related to digital transformation that will benefit the OIML
- Actions based on the *“Joint Statement of Intent (JSI) on the digital transformation in the international scientific and quality infrastructure”*



Digitalisation Task Group and the JSI

- At the 57th CIML Meeting the CIML approved the DTG's Draft ToR and appointed Dr Sascha Eichstädt (DE) as Chairperson and Dr Ping Yang (CN) as Deputy Chairperson
- Four current areas of work:
 - Support of the IMEKO TC6 Conference *Metrology and digital transformation*
 - Support for OIML technical work regarding “SMART” standards
 - Strategic items on the OIML's role in an international digital metrology system
 - Support for the CEEMS AG Online technology project
- “Horizontal Forum” of the JSI signatories was proposed at the first JSI signatory meeting in February 2023



WMD 2023:

Measurements supporting the global food system



The theme for World Metrology Day 2023 was
Measurements supporting the global food system

This theme was chosen because of the increasing challenges of climate change, and global distribution of food in a world whose population reached 8 billion at the end of 2022.

58 Posters and 59 Events

The 2023 poster was designed in association with Sistema Iberoamericano de Metrología (SIM) and the Instituto Nacional de Tecnología Industrial (INTI), Argentina



Any questions?

Thank you for your attention

Paul Dixon

BIML Assistant Director

paul.dixon@oiml.org