



OIML report to the SIM General Assembly meeting

3–4 November 2022

Hybrid event in Saint Lucia

Report updated on 2022-10-24

1 OIML Membership

As of October 2022 the OIML has 127 Members, consisting of 63 Member States and 64 Corresponding Members. The membership changes since October 2021 are listed below:

2022-10-20: New OIML Corresponding Member: Saint Lucia

2022-10-17: Appointment of the new CIML Member for South Africa: . Mr Jaco Marneweck

2022-10-17: Appointment of the new CIML Member for Kazakhstan: ... Mr Kuanysh Yelikbaev

2022-10-11: Appointment of the new CIML Member for Bulgaria: Mr Paun Ilchev

2022-10-04: Appointment of the new CIML Member for Canada: Mr Benoit Desforges

2022-06-20: Appointment of the new CIML Member for Ethiopia: Mr Getachew Wollel Tiruneh

2022-06-20: Appointment of the new CIML Member for Egypt: Eng Ahmad Mahamoud Ahmad Sulayman

2022-05-23: Readmission of a Member State: Ethiopia

2022-04-01: Appointment of the new CIML Member for Vietnam: Dr Ha Minh Hiep

2022-03-31: Appointment of the new CIML Member for Indonesia: Mr Matheus Hendro Purnomo

2022-01-10: Appointment of the new CIML Member for Iran: Mr Hassan Khanehzar

2021-10-01: Appointment of the new CIML Member for Tanzania: Ms Stella Rwehabula Kahwa

2021-10-01: Appointment of the new CIML Member for Finland: Ms Sari Hemminki

2021-10-01: Appointment of the new CIML Member for Romania: Mrs Roberta Todor

2 OIML Governance

2.1 CIML Presidency

There were no changes to the CIML Presidency in 2021 (President: Dr Roman Schwartz; First Vice-President: Dr Charles Ehrlich, Second Vice-President: Dr Bobjoseph Mathew). At the 57th CIML Meeting, Dr Bobjoseph Mathew was elected as the next CIML President and will take over from Dr Schwartz, who confirmed he will step down at the beginning of the 58th CIML Meeting in 2023.



3 57th CIML Meeting – Outcome and Resolutions

The 57th CIML Meeting was held from 18–20 October 2022 as an online meeting due to the COVID-19 pandemic. There were over 160 participants from OIML Member States, OIML Corresponding Members, and organisations in liaison. The BIML hosted the meetings via the Zoom platform.

The Committee took a number of key decisions at its 57th Meeting; the 52 resolutions are published at <https://www.oiml.org/en/structure/ciml/sites>

4 58th CIML Meeting

The 58th CIML Meeting will be held in Chiang Mai, Kingdom of Thailand, in October 2023. The exact dates, venue and format will be decided in the near future.

5 OIML technical work

5.1 Publications approved at the 57th CIML Meeting

The following publications were approved by the 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 matters concerning Countries and Economies with Emerging Metrology Systems (CEEMS)*;
- Revision of D 5:1982 *Principles for the establishment of hierarchy schemes for measuring instruments*;
- 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)*.

The following publication was reconfirmed by the CIML:

- R 139:2018 *Compressed gaseous fuel measuring systems for vehicles*.



5.2 New Projects approved at the 57th CIML Meeting

The following new projects were approved by the 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*;

5.3 High priority publications

The CIML approved a list of high priority publications for the Organisation which will undergo more frequent periodic review (two years after approval or reconfirmation instead of five years).

6 OIML Certification System (OIML-CS)

There are currently 39 categories of measuring instrument in the OIML-CS. 38 categories are in Scheme A, and one category (OIML R 150 Continuous totalizing automatic weighing instruments of the arched chute type) is in Scheme B. OIML R 150 will transition to Scheme A on 1 January 2023.

There are currently 12 OIML Issuing Authorities and 24 Test Laboratories approved under the OIML-CS, with 33 Utilizers and Associates. Utilizers and Associates have declared that they will accept and utilize OIML Certificates and/or OIML type evaluation reports as the basis for granting national or regional approvals.

At the 56th CIML Meeting the CIML approved a proposal from the OIML-CS Management Committee to allow OIML Issuing Authorities to use ISO/IEC 17020 (with additional requirements) as an alternative to ISO/IEC 17065 to demonstrate competence. Work has been undertaken to implement this decision in the OIML-CS documentation, including a revision of OIML B 18 *Framework for the OIML Certification System (OIML-CS)* and the development of a new OIML Document *Guide to the application of ISO/IEC 17020 to the assessment of OIML Issuing Authorities under the OIML-CS*. These two publications were approved at the 57th CIML Meeting in October 2022.

The OIML-CS Management Committee held its seventh meeting, as an online meeting, on 22–23 March 2022. The next Management Committee meeting is scheduled to take place in March 2023, with the intention of holding it as an in-person meeting if at all possible.



7 OIML Digitalisation Task Group (DTG)

The OIML Digitalisation Task Group (OIML DTG) consists of 15 representatives from OIML Members and international and regional organisations and is the newest horizontal group of the OIML. The DTG will support the digital transformation of legal metrology processes and services and support, promote and coordinate the international harmonisation and implementation of digital transformation in legal metrology.

At the 57th CIML Meeting the CIML approved the DTG's Draft Terms of Reference; it also appointed Dr Sascha Eichstädt as Chairperson and Dr Ping Yang as Deputy Chairperson.

Dr Eichstädt described four current areas of work:

- Support of the IMEKO TC6 Conference *Metrology and digital transformation*;
- Support for OIML technical work regarding “SMART”;
- Strategic items on the OIML's role in an international digital metrology system; and
- Support for the CEEMS AG Online technology project.

8 Countries and Economies with Emerging Metrology Systems (CEEMS)

The OIML's activities in relation to CEEMS are overseen by an Advisory Group (CEEMS AG), which has established a workplan to ensure that the needs and concerns of these countries are prioritised throughout the OIML's work.

Mr Peter Mason, CEEMS AG Chairperson, gave an update on the activities of the CEEMS AG. He described changes in AG membership, requesting that Members consider joining the AG. Mr Jaco Marneweck was appointed CEEMS AG Chairperson and Mr Han Jianping was appointed CEEMS AG Vice-Chairperson by the CIML.

Mr Mason also highlighted the revision of B 19 *Terms of Reference for the Advisory Group on matters concerning Countries and Economies with Emerging Metrology Systems (CEEMS)*, and the development of a new publication on *CEEMS activities in a post-COVID world*, which would soon be published as an OIML Guide. He also discussed some points from the CEEMS AG Work Plan, including particularly

- a 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 event on prepackages being planned for July 2023 in Germany, and
- the restarting of the CEEMS/p 1 project on the revision of D 14 *Training and qualification of legal metrology personnel*.



9 International cooperation

9.1 OIML/BIPM Joint Task Group (JTG)

The JTG has progressed a number of key initiatives to benefit the two Organisations. This period focussed on developing the *Joint Statement of Intent on the digital transformation in the international scientific and quality infrastructure*, e-Learning initiatives, and advancing the World Metrology Day proposal with the United Nations Educational, Scientific and Cultural Organization (UNESCO) to achieve designation as a “UNESCO World Metrology Day”.

9.2 RLMO Round Table

The Regional Legal Metrology Organisation (RLMO) Round Table (RT) is a forum in which each of the six participating regional organisations can send representatives to share information on developments in their regions concerning legal metrology, with a focus on training opportunities that may benefit all participants. Historically, the RT has met annually in conjunction with the CIML meeting. Since the COVID-19 pandemic, which resulted in the need for online RT meetings, the RT Chairperson, Dr Charles Ehrlich, has instituted Interim RT meetings, which has allowed for even more discussion, planning, and sharing of ideas among the participants through the incorporation of an Open Forum Discussion. The Open Forum Discussion topics for the 2022 RLMO RT meeting were:

- How is your RLMO approaching ‘digitalisation’ pertaining to measuring instruments in your region? and
- How is your RLMO approaching the regulation of smart meters in your region?

The RT is in the process of considering the frequency of Interim RT meetings (one or two a year, in addition to the Annual RT meeting), as well as who may participate in the meetings. So far participation has been somewhat restricted to those directly involved in legal metrology offices/programs in the regions. Consideration is now being given to broadening participation for at least some of the meetings to other international stakeholders who are interested, especially if there is an invited speaker on a specific topic (such as smart meters).

10 Digitalisation Task Group and the Joint Statement of Intent

The digital transformation of all organisations is advancing at a rapid pace on a global scale. The OIML, representing 127 countries and economies cooperating in the field of legal metrology, is part of this transformation, which will affect all processes and services related to metrology, standardisation, accreditation, and conformity assessment.

A major step towards the digital transformation of metrology in general, and of legal metrology in particular, was the signature of the Joint Statement of Intent (JSI) “On the digital transformation in the international scientific and quality infrastructure” on 30 March 2022. The OIML is one of eight international organisations that have signed the JSI, based on which a new OIML Digitalisation Task Group (DTG) has been established comprising experts from OIML Member States, Corresponding Members, Organisations in Liaison, and the BIML.



The DTG has the task of examining the challenges and, in consultation with the CIML, taking the necessary actions in order to lead our technical, OIML Certification System (OIML-CS), and Countries and Economies with Emerging Metrology Systems (CEEMS) activities into the digital age and make our Organisation future-proof also in that respect.

11 World Metrology Day and other information

11.1 World Metrology Day 2022: *Metrology in the Digital Era*

Each year the BIPM and the OIML work together on World Metrology Day and the theme for 2022 is *Metrology in the Digital Era*. This theme was chosen because digital technology is revolutionising our community, and is one of the most exciting trends in society today. The 2022 poster was designed in association with COOMET and the National Scientific Centre “Institute of Metrology”, Ukraine, and is available for download in English and in French. The 2022 WMD website was launched on 28 February 2022.

11.2 OIML website refresh and relaunch

The last major overhaul of the OIML website was carried out in 2012/2013. Since then, a significant number of improvements have progressively been made to the website in order to benefit OIML Members and stakeholders, and to facilitate and accelerate the Organisation’s technical and certification work.

To build on these developments, and to further improve the user experience and ensure it remains in line with modern techniques and customs, the OIML website has a totally new, refreshed look and feel since 9 January 2022.

The key changes are:

- new look and feel, improved readability, and more clarity;
- improvement of the general menu and breadcrumb navigation elements;
- improved system messages for login/password retrieval;
- “responsive” page structure, i.e. the website automatically adapts its layout to different screen sizes right down to mobile phone size;
- transfer of the “My access” section to the top of the screen;
- complete restructuring of the OIML-CS section;
- introduction of new coding techniques for certain most-visited pages (such as the lists of publications and the certificates/OIML Issuing Authorities search tools) in order to reduce the response time and improve the search facility; and
- update of numerous “behind-the-scenes” components of the website (such as the platforms it resides on and the plugins it uses) to provide faster response times and enhanced security, critical in this day and age.

Further enhancements are planned over the coming months and will be reported on in due course.
