



Paris, 24 September 2019

**To:** SIM General Assembly Participants  
**Att:** Dr. Claire Saundry, SIM President

**Subject:** Message from the OIML

Dear Colleagues,

As the BIML Director, it my pleasure to address to our SIM colleagues a message from the OIML.

Unfortunately, due to special circumstances, this year we will not be able to participate in the activities of the annual SIM week. Nevertheless, SIM is a very important liaison organisation for us and we look forward to participating in future meetings.

There have been a number of changes in the BIML and the OIML and I would have liked to present and discuss them with you in person. However, I hope that the short report accompanying this letter will provide you with an overview of our current activities.

Firstly, I would like to inform you of some of the changes regarding the leadership and governance of the OIML:

- Mr Stephen Patoray finished his term as BIML Director on 31 December 2018 and I took over the position on 1 January 2019;
- Dr. Roman Schwartz, PTB Vice-President, was appointed President of the CIML; and
- Dr. Charles Ehrlich, who you probably know very well in SIM, was appointed as CIML First Vice-president.

Secondly, during the week of October 20 to 25, we will be holding the annual meeting of the CIML, in Bratislava, Slovak Republic. One of the regular activities during the week is the Round Table of RLMOs. The main topic is to present the key legal metrology activities in the regions and propose better ways to cooperate between the regions and the OIML. I look forward to welcoming SIM representative(s) to the meeting.

I would like to highlight one example of OIML and SIM cooperation, which reflects the suggestions received from SIM members implemented in the work of the OIML. This is the addition in our Recommendations of a special part for the periodic verification of instruments.

The OIML is very interested to continue to increase the participation of SIM members in all OIML activities.

The report accompanying this letter will touch on some of the main activities held since the last year:

- changes in the staff;
- key matters from the 2018 CIML meeting;
- new and updated Recommendations and Documents;
- new Projects;
- activities on the OIML-Certification System;
- activities related for CEEMS (Countries and Economies with Emerging Metrology Systems); and
- future plans for the OIML.

Please accept the best wishes from the OIML for a successful and productive SIM meeting week.

Sincerely,

**Anthony Donnellan**  
*BIML Director*



## **OIML report to the SIM General Assembly meeting**

**25-26 September 2019**

**Santa Cruz, Bolivia**

### **1 OIML Membership**

As of September 2019, the OIML has **61 Member States** and **61 Corresponding Members**.

#### **Membership changes since October 2018**

- 2 October 2018: Appointment of the new CIML Member for Sri Lanka: Mr. S.N. Akuranthilaka
- 2 October 2018: Appointment of the new CIML Member for Thailand: Mr. Whichai Phochanakij
- 17 January 2019: Four Corresponding Members delisted: Liberia, D.P.R of Korea, Syrian Arab Republic and Libya
- 12 January 2019: One Member State lost: Cameroon
- 12 February 2019: Appointment of the new CIML Member for Morocco: Mr. Mohammed Benjelloun
- 19 April 2019: Appointment of the new CIML Member for South Africa: Mr. Hendrik Petrus Ferreira
- 4 June 2019: Reintegration of Corresponding Member: Kyrgyz Republic
- 17 June 2019: Appointment of the new CIML Member for Belgium: Mr. Dirk Bils
- 15 July 2019: Appointment of the new CIML Member for Romania: Mr. Stancu Filip
- 30 July 2019: Appointment of the new CIML Member for Cambodia: H.E. Mr. Pitou BY
- 09 Sept. 2019: Appointment of the new CIML Member for Korea (R): Dr. Wan Bin IM
- 16 Sept. 2019: Appointment of the new CIML Member for Colombia: Mr Juan Camillo Duran

### **2 OIML Governance**

#### **2.1 CIML Presidency**

During the 53rd CIML meeting in 2018, Dr Charles Ehrlich was elected as CIML First Vice President.

Dr. Yukinobu Miki, currently CIML Second Vice President, will finish his term of office as Second VP in October 2019. A call for candidates was distributed to CIML Members on 15 March 2019.

As of March 2019, the CIML Presidential Council (PC) members are:

- Dr Roman Schwartz (Germany) – CIML President
- Dr Charles D. Ehrlich (USA) – CIML First Vice President
- Dr Yukinobu Miki (Japan) – CIML Second President

- Ms Mairead Buckley (Ireland)
- Ms Himba Cheelo (Zambia)
- Dr Sergey Golubev (Russian Federation)



Mrs Corinne Lagauterie (France)  
Mr Bill Loizides (Australia)  
Dr Bobjoseph Mathew (Switzerland)  
Mr Yizhi Qin (P.R. China)

Mr Anthony Donnellan (BIML Director – Secretary of the PC)

## 2.2 BIML Director

During the 53rd CIML Meeting, Mr Anthony Donnellan was appointed to take over as BIML Director.

Mr Stephen Patoray retired as Director on 31 December 2018, and Mr Donnellan took up his post on 1 January 2019.

## 3 53rd CIML Meeting

The 53rd CIML Meeting (2018) was hosted by the PTB, Germany and took place in Hamburg on 9–12 October 2018.

The full list of resolutions can be found at:

<https://www.oiml.org/en/structure/ciml/pdf/53-ciml-resolutions-english.pdf>

### 3.1 Summary of relevant resolutions

*Resolution no. 2018/4*

The Committee,

Welcomes Kiribati as a new Corresponding Member.

*Resolution no. 2018/11*

The Committee,

Noting the information from its President concerning the OIML's participation in JCGM WG1 and WG2,

Approves the nominations of Dr. Hideyuki Tanaka (Japan) for WG1 and Dr. Anna Chunovkina (Russian Federation) for WG2, and

Requests the BIML Director to inform the JCGM secretary of this decision.

*Resolution no. 2018/13*

The Committee,

Noting the proposal from the IECEx Management Committee,

Decides to establish a Joint Working Group with the IECEx to explore synergies and opportunities for cooperation,

Requests Dr. Roman Schwartz and Mr. Paul Dixon to represent the OIML on the Joint Working Group, and

Requests the OIML representatives to report to the CIML on the activities of the Joint Working Group at the 54th CIML Meeting in 2019.



*Resolution no. 2018/15*

The Committee,

Recalling its resolution 2015/10 detailing the OIML's commitment to activities directed at countries and economies with emerging metrology systems (CEEMS),

Recognizing the significant progress which has been made in efforts to assist in building the capacity of legal metrology institutions and their staff in the CEEMS community,

Noting the reports and advice from the Advisory Group on matters concerning Countries and Economies with Emerging Metrology Systems,

Instructs the Bureau to continue its efforts to promote and participate in capacity building activities, both through the program of OIML Training Centers, and through training courses and regional activities organized by other organizations,

Instructs the Bureau to continue to work with the constituent bodies of the International Network on Quality Infrastructure (INetQI – previously DCMAS Network), in particular the BIPM, to identify new initiatives where the OIML can make a direct contribution,

Instructs the Bureau to continue developing the OIML website so that it provides up-to-date information on capacity-building initiatives, including training materials, and to maintain the database of experts available to contribute to such work,

Instructs the Bureau to ensure that the further development of its systems supporting OIML technical work takes account of the need to involve CEEMS in such work,

Instructs the Bureau to continue using the OIML Bulletin and the OIML website to facilitate the exchange of new ideas, and in particular new approaches to legal metrology,

Noting the particular contribution that research can play in promoting and evaluating new approaches to legal metrology, instructs the Director to take this into account when considering projects which can be supported by the special fund created by the 14th Conference,

Requests its President, Vice-Presidents, the Chair and Vice-Chair of the CEEMS Advisory Group, the Chair of the OIML-CS Management Committee, and the Bureau to take particular account of the needs of CEEMS during involvement in activities related to Objective 5 in the OIML Strategy (OIML B 15:2011),

Requests Technical Committees, Subcommittees and Project Groups to take note of the demand from CEEMS to ensure Recommendations and other publications take more account of the needs of CEEMS,

Requests the OIML-CS Management Committee to ensure that the needs of CEEMS continue to be addressed in the further development of the OIML Certification System,

Urges Member States to consider what support they can give to future OIML Training Centers or other initiatives aimed at assisting CEEMS,

Urges Member States to be ready to propose conveners for projects to produce other documents of interest to CEEMS and to take advantage of the training which is available for potential conveners, and

Urges both Member States and Corresponding Members to consider opportunities to second staff to the Bureau in order to develop the skills and experience of appropriate individuals.



### 3.2 Publications approved

Revision of R 139

*Compressed gaseous fuel measuring systems for vehicles,*

New Document

*Guide for the application of ISO/IEC 17065 to assessment of certification bodies in legal metrology.*

Revision of B 18

*Framework for the OIML Certification System (OIML-CS)*

### 3.3 Projects approved

**Revision of R 51**

*Automatic catchweighing instruments (TC 9/SC 2)*

**Revision of R 134**

*Automatic instruments for weighing road vehicles in motion and measuring axle load (TC 9/SC 2)*

**Revision of D 14**

*Training and qualification of legal metrology personnel (CEEMS AG)*

**Revision of D 19**

*Pattern evaluation and pattern approval (CEEMS AG)*

**Development of a new Recommendation**

*Instruments for measuring the vehicle exhaust soot particle number (PN) (TC 16/SC 1)*

**Development of a new Document**

*Surveillance of utility meters in service on the basis of sampling inspections (TC 3/SC 4)*

**Development of a new Document**

*Petroleum measurement tables (TC 8)*

**Development of a new Document**

*Pipe provers for testing of measuring systems for liquids (TC 8)*

**Development of a new Recommendation**

*Ophthalmic instruments – non-contact tonometers,*

*or the revision of the existing R 145:2015*

*Ophthalmic instruments - Impression and applanation tonometers (TC 18)*

### 3.4 OIML Awards

The recipient of the 2018 OIML CEEMS Award was **Prof. Carlos Augusto de Azevedo (INMETRO, Brazil)**. Prof. Azevedo is the mentor of a fluvial unit containing a total infrastructure to provide legal metrology services, among other research activities. In 2017 the first unit was released and recently a second unit was inaugurated providing, in addition to the legal metrology services, a DNA research laboratory.



## 4 54th CIML Meeting and associated events

The 54th CIML Meeting will be hosted by the Slovak Office of Standards, Metrology and Testing (UNMS), on 21–25 October 2019, Bratislava, Slovak Republic. The BIML has prepared the schedule, the CIML meeting agenda and the website, and is currently finalising arrangements for the seminar on e-Learning. The event website went live in April.

See all the information at: <http://bratislava.oiml.org/>

### 4.1 OIML Publications submitted to the CIML for approval

#### **Revision of D 31**

*General requirements for software controlled measuring instruments*

#### **New Document**

*Reference standard liquids (Newtonian viscosity standard for the calibration and verification of viscometers)*

#### **New Document**

*Conformity to Type (CTT) - Pre-market conformity assessment of measuring instruments*

#### **New Basic Publication**

*Rules for the use of OIML logos*

#### **New Basic Publication**

*Framework for OIML Training Centers and OIML Training Events*

#### **Revision of B 6**

*Directives for OIML technical work*

The final drafts submitted for approval are available at: <http://bratislava.oiml.org/ciml.html>

## 5 OIML technical work

### 5.1 OIML Project Group meetings

OIML TC 17/SC 7/p 3, Revision of R 126 *Evidential breath analyzers*  
13-15 February 2019, LNE, Paris

OIML TC 8/SC 3/p 4, Revision of R 117 *Dynamic measuring systems for liquids other than water*  
26-29 March 2019, Cape Town, South Africa

OIML TC 7/SC 5/p 1 Revision of R 129 *Multi-dimensional measuring instruments*  
7-8 May 2019, Ottawa, Canada

OIML TC 12/p 1 Revision of R 46 *Electricity meters (a.c.)*  
22-24 May 2019, Helsinki, Finland

OIML TC 16/SC 1/p 4 New Recommendation *Instruments for measuring the vehicle exhaust soot particle number (PN)*, 27-28 November 2019, PTB, Braunschweig, Germany.



## 6 CIML preliminary online ballots since March 2018

Revision of R 139 *Compressed gaseous fuel measuring systems for vehicles*  
(launched 2018-03-14, deadline 2018-06-14)

New Document *Reference standard liquids (Newtonian viscosity standard for the calibration and verification of viscometers)*  
(launched 2018-10-19, deadline 2019-01-21)

New Document *Conformity to Type (CTT) – Pre-market conformity assessment of measuring instruments*  
(launched 2018-12-11, deadline 2019-03-11)

New Basic Publication *Rules for the use of OIML logos*  
(launched 2019-01-31, deadline 2019-04-30)

## 7 Convener and secretariat training

Over the last two years, the OIML has conducted a total of nine training courses for TC/SC secretariats and Project Group conveners of the OIML's technical work. Two more courses were held in 2019, in Canada and in Berlin, which completed the initial phase of this training, and a long-term plan will now be established to provide ongoing training to ensure that all secretariats and conveners are kept up to date. The intention of this training is to improve efficiency in the development of OIML Recommendations, and to ensure that this work complies with the *Directives for OIML Technical Work*.

## 8 OIML Certification System (OIML-CS)

The OIML-CS was launched on 1 January 2018 and replaced the OIML Basic Certificate System and the Mutual Acceptance Arrangement. Following CIML approval to extend the scope of the OIML-CS in October 2018, there are now 37 categories of measuring instrument in the OIML-CS; three categories are in Scheme A and the remainder are in Scheme B. Those categories in Scheme B will transition to Scheme A over the next couple of years.

The requirements for the participation of OIML Issuing Authorities and their associated Test Laboratories in Scheme A or Scheme B are the same, but the method of demonstrating compliance is different. OIML Issuing Authorities will be required to demonstrate compliance with ISO/IEC 17065 and Test Laboratories will be required to demonstrate compliance with ISO/IEC 17025. For participation in Scheme B, it will be sufficient to demonstrate compliance on the basis of “self-declaration” with additional supporting evidence. However, for participation in Scheme A, compliance shall be demonstrated by peer evaluation on the basis of accreditation or peer assessment.

There are currently 12 OIML Issuing Authorities and 25 Test Laboratories approved under the OIML-CS, with 30 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. The second meeting of the OIML-CS Management Committee (MC) was held in Delft, Netherlands on 20–21 March 2019.

There are now 37 instrument categories in the OIML-CS. R 49, R 51, R 60, R 76 and R 117 are now in Scheme A. R 46 and R 137 will transition to Scheme A on 1 January 2020. Other Recommendations will transition over the next couple of years.

An OIML/APLMF Seminar on the OIML-CS took place on 15–17 July 2019 in Hangzhou, P.R. China.



## **9 Countries and Economies with Emerging Metrology Systems (CEEMS)**

### **9.1 Experts list**

Many of the authorities in the CEEMS community have expressed a wish for readily accessible information on experts who can assist them by providing advice or training in connection with their legal metrology activities. A list of experts has been compiled, drawing on the knowledge of CIML Members and others who are active within the OIML.

The list can be found at: <https://www.oiml.org/en/structure/ceems/list-of-experts>

Each expert on this list is known to his or her CIML Member as having previously provided advice or training on legal metrology issues to governments and/or legal metrology authorities. They have confirmed their availability to undertake similar assignments in the future.

However, the OIML does not endorse or recommend particular experts, and accepts no liability for the use of an expert and the services that they provide.

### **9.2 OIML Training Centres**

Since 2016, the OIML has run a number of training courses on various aspects of legal metrology. Several of these were funded and logistically supported by P.R. China under their initiative to establish an “OIML Pilot Training Centre”. More recently, other funding and organisational models have been explored, and courses have been run in Kenya and in Cuba with funding from the OIML and the PTB. The OIML is now formalising this process by establishing a framework document for OIML Training Centres, with the intention of expanding the programme for such training under various donor funding models.

### **9.3 CEEMS Advisory Group**

The OIML’s activities in favour of CEEMS are overseen by an Advisory Group, which has established a workplan to ensure that the needs and concerns of these countries are prioritised throughout the OIML’s work. A secondee from P.R. China is currently working on the development and implementation of this workplan at the BIML.

## **10 e-Learning**

The legal metrology e-Learning Platform provides an accessible, comprehensive and interactive way of understanding the implementation of many common legal metrology activities.

<https://www.oiml.org/en/structure/ceems/e-learning-platform>

At present, the platform is available in English. The French and Spanish translations are ready and will be integrated to the system.

A full revision of the material is also programmed. An e-Learning seminar will be held on 21 October 2019 in conjunction with the 54th CIML Meeting.





## 11 INetQI (previously DCMAS Network)

The OIML most recently chaired this group from 2016–2018. During this time, the main achievements were:

discussions and agreement on a common definition of “quality infrastructure” and “quality policy”, change of name from DCMAS Network to *International Network on Quality Infrastructure (INetQI)*, World Bank Group and WTO joined the network, website overhauled, but still needs work to convert to INetQI and make access easier.

A UNIDO led event was held in Brussels in April 2019, to which INetQI members were invited. INetQI met in November 2018 and May 2019, and will meet again in November 2019.

## 12 OIML Task Group 2023

At its 53rd meeting, the CIML created a “Task Group 2023”, to consider ideas, develop proposals and identify strategies to be put forward to the 54th CIML Meeting in 2019 and the 16th Conference in 2020.

The group consists of the CIML President, the two Vice-Presidents, the BIML Director, the two Assistant Directors, and two PC members.

The Task Group met in March 2019 in conjunction with the meeting of the Presidential Council.

## 13 Current priorities of the OIML

The current priorities in the work of the OIML are the following:

- working closely with RLMOs, including SIM;
- improving the ongoing technical activities;
- implementation, evolution and promotion of the OIML Certification System (OIML-CS);
- meeting the needs of Countries and Economies with Emerging Metrology Systems (CEEMS);
- cooperation with other organisations to promote metrology as an important part of a sound quality infrastructure (QI) of a modern economy; and
- upcoming: Metrology for Digitization of Economy and Society.

## 14 Closing message

The OIML is looking forward to an even closer and deeper relationship with SIM and its members, and we are committed to working with SIM to advance legal metrology.

We would like to encourage greater contributions (articles, updates and technical papers) from SIM and its members to publish in the OIML Bulletin. The work of one group or Region is always of interest to others, and in this way the aims of the OIML can be focussed in a common effort.

We look forward to visiting, enhancing relationships with and serving the needs of SIM and OIML Member States.