



Organisation Internationale de Métrologie Légale

International Organization of Legal Metrology



OIML Update

**for the 26th APLMF Meeting
Ha Long City, Vietnam
07 November 2019**

Charles Ehrlich

CIML 1st Vice President



Organisation Internationale de Métrologie Légale

International Organization of Legal Metrology



OIML Update

**54th CIML Meeting was held
22-25 October 2019 in
Bratislava, Slovak Republic**

**E-Learning Workshop
CEEMS Advisory Group Meeting
RLMO Round Table
CIML Meeting**



OIML Update – E-Learning Workshop

Organized by:

Dr. Bob Joseph Mathew (METAS), Mr. Peter Ulbig (PTB), and the BIML

- 1. Introduction**
- 2. What already exists today?**
 1. Phil Sorrell (APLMF Guide 8)
 2. Dorina Nati (UNIDO)
 3. Ian Dunmill (IEC)
- 3. What are the needs and priorities of economies? (Breakout Groups)**
- 4. What should we do in the future? (Reports from Breakout Groups)**
- 5. Summary and closing remarks**



Common priorities

- 1) R 76 Non-automatic weighing instruments
Verification officers/inspectors, manufacturers, consumers
- 2) R 117 Fuel dispensers
Verification officers/inspectors, manufacturers, consumers
- 3) D 31 Software
Verification officers/inspectors, test laboratories, manufacturers
- 4) Basic legal metrology including D 1 “Law on Metrology”
Students, Law makers
- 5) Prepackages
Verification officers/inspectors



Next steps

- Outcomes to be fed to the CEEMS Advisory Group (AG) and RLMO Round Table;
- CEEMS AG to develop proposal in form of a draft resolution to be considered at CIML meeting
(see CIML Resolution 2019/18)



CIML Meeting -- Resolution 2019/18

The Committee, Thanks Dr Bob Joseph Mathew, Dr Peter Ulbig, and the BIML for having organised the workshop on e-Learning which took place on Monday, 21 October 2019,

Thanks Ms Dorina Nati (UNIDO) and **Mr Phil Sorrell** (New Zealand) for their excellent presentations at this workshop,

Considers that the **development of an e-Learning concept** for the benefit of the legal metrology community and others **should be a priority activity** for the Organisation,

Requests the CEEMS Advisory Group to establish one or more ad hoc working groups to develop, with the assistance of the Bureau, an e-Learning concept taking into account the following elements:

- 1) a summary, analysis and prioritisation of the outcomes of the e-Learning seminar,
- 2) the optimum means of capturing expert input from Technical Committees and Subcommittees in developing and maintaining high quality content,
- 3) collaboration with other appropriate organisations,
- 4) consideration of the appropriate platform and technology for the e-Learning concept,
- 5) consideration of appropriate funding mechanisms and sources,

Instructs the BIML Director to take into account this e-Learning concept when preparing the budget for the 2021–2024 financial period.



OIML Update – CEEMS AG Meeting

CEEMS AG 2019 meeting was held on
21 October 2019

Attendance: 15 of 20 members were present

Mr. Pu Changcheng stepped down as Chair, CEEMS AG

Mr. Peter Mason appointed as new Chair, CEEMS AG

Mr. Peter Ulbig (PTB) appointed as new Vice-Chair

A second Vice-Chair might be appointed



CEEMS AG Work Programme 2018-19

Activity concentrated on the following seven main areas of activity:

- developing the CEEMS web pages on the OIML website, including publication of a database of experts available for consulting work;
- finalising the strategy for “OIML Training Centers” (OTC) and OIML Training Events (OTE);
- promoting OTC and other training events while the strategy is being finalised;
- developing a suite of e-Learning modules to support a variety of training needs;
- developing proposals for a scholarship programme for future leaders in CEEMS;
- working with Australia on a proposal for a pre-market surveillance pilot within APLMF to study Conformity to Type problems;
- supervising three projects to revise 3 OIML International Documents:
D 1, D 14 and D 19.



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A new identity for OIML's CEEMS work





Proposal for a revised D 1

New Structure for D 1:

Part 1 - Introduction

Part 2 - The importance of metrology

Part 3 - The concept of a National Metrology System

Part 4 - The place of a metrology system in a wider National Quality Infrastructure

Part 5 - The role of Government

Part 6 - The international dimension

Part 7 - Policy options

Part 8 - Legislating for Metrology

Part 9 - Developing a metrology system for the future

Annex A - Elements of a legal framework for metrology

Annex B – A Model Law on Metrology



Next CEEMS AG steps for E-Learning

CEEMS AG agreed that E-Learning should be an area of priority for OIML and is ready to take a lead in working with the BIML on:

- Priorities for future modules
- Securing expert input from TCs and others
- Collaborating with others, including RMLOs
- Ensuring a «fit-for-purpose» platform and technology
- Funding – mechanisms and sources



OIML Update – RLMO Round Table

Regional Legal Metrology Organization – Round Table

Chair Person: Dr. Yukinobu Miki, CIML 2nd Vice President

Background

- RLMO-RT is a place where RLMOs gather as OIML liaison organizations to share information, and to discuss new ideas and/or collaboration on projects
- This year, an E-Learning Symposium and the CEEMS-AG Meeting were held prior to this meeting. The RT took the opportunity to discuss those as well.



CIML Meeting -- Report by the RLMO Round Table Chair Person

Reports from the RLMOs:

- Mr. Jaco Marneweck (South Africa) provided a report of **AFRIMETS**.
 - Growth of AFRIMETS
- Mr. Phil Sorrell (New Zealand) provided a report of **APLMF**.
 - e-Learning module
- Dr. Peter Ulbig (Germany) provided a report of **COOMET**.
 - Translation of OIML and WELMEC documents
- Mr. Omar Kanakrieh (Saudi Arabia) provided a report of **GULFMET**.
 - Scientific and legal metrologies
- Mr. Marcos Trev Vasconcellos (Brazil) provided a report of **SIM**.
 - Digital certificate
- Mr. Pavel Klenovsky (Czech Republic) provided a report of **WELMEC**.
 - Toward WELMEC e.V.

Report on SAARC

- Mr. Ashutosh Agarwal (India) provided a report of **SAARC**.
 - Activities in SAARC (South Asian Association for Regional Cooperation)



CIML Meeting -- Report by the RLMO Round Table Chair Person

Future Collaborations and Conclusions

- The participants in the meeting shared updates from RLMOs and discussed possible future collaborations.
- Possible collaborations include:
 - e-Learning modules;
 - OIML Training Centers;
 - Surveillance on the utilization of OIML-CS certificates.
- Next steps for the RT:
 - Review of status of RT, **necessity of Terms of Reference?**
 - New tools to enhance communication.
- For further discussion, the RLMO representatives at this RT meeting will remain as contact people.



Some possible future directions of RLMO Round Table

- What are the potential benefits of extending the scope of the RLMO RT beyond reporting on individual RLMO activities?
- Is there a necessity to develop a formal Terms of Reference for the RLMO RT? If so, what would the Terms of Reference contain?
- Are RLMOs legal entities?
- Formalize possible collaborations?:
 - e-Learning modules;
 - OIML Training Centers;
 - **Surveillance on utilization of OIML-CS certificates.**

New RLMO Round Table Chair Person: Charles Ehrlich



Possible elements of ToR for RLMO Round Table

1. Membership

Chairperson, RLMO Representatives, BIML must attend. Also CIML President and VPs? PC Members and CEEMS AG Members are welcome. Allow all Observers who are interested and/or involved in RLMO activities? Status of groups that are not RLMOs (e.g., Regional Associations)?

2. Missions (or Functions)

RLMO RT is a gathering where Members exchange information and discuss possible collaboration. Formal communication/collaboration mechanisms could be established.

3. Relations with CIML

Should there be a formal relationship between RLMOs and the CIML? OIML B 12 (Policy paper on liaisons between OIML and other bodies) recognizes RLMOs as highly prioritized liaisons. Some descriptions about the RT functions are necessary to comply with B 12. Revising B 12 (2004) to explicitly include the RLMO RT might make sense.

4. Rules on decision making

If we want to go further and make formal decisions in the RT (that effect all or some of the RLMOs and OIML), then some rules are necessary. For example, if ToR for the RT are to be established, who decides this, and how? One way might be to decide first at the CIML and then propose that to the RLMOs. These rules might not be part of the ToR, but some clear rules are necessary.



OIML Update – CIML Meeting

**Dr. Bobjoseph Mathew (Switzerland) elected as new
CIML 2nd Vice President.**

**OIML continues to be in a strong financial position,
although an unexpected overspend in 2018 has led to
reduced freedom regarding the funding of activities.**

**Dr. Roman Schwartz will “partly” retire from PTB,
effective 1 May 2020, but will continue as CIML
President.**



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OIML Update – CIML Meeting

“Three Pillars” of OIML

Technical Work

OIML Certification System

CEEMS

Need more technical articles for OIML Bulletin

Communications/Social Media



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OIML Update – CIML Meeting

“Task Group 2023” met in March 2019

Criteria developed for identifying

“Top 10” OIML Publications and “Top 10” OIML Projects

OIML Directives (B 6) modified to provide better process for deciding whether to reconfirm, revise, update or withdraw OIML Publications (involves OIML-CS MC).



OIML Update – CIML Meeting

The CIML approved the following publications:

- Revision of **D 31** *General requirements for software-controlled measuring instruments*
- New Document **D 33** *Reference standard liquids (Newtonian viscosity standard for the calibration and verification of viscometers)*
- New Document **D 34** *Conformity to Type (CTT) - Pre-market conformity assessment of measuring instruments*
- Revision of **B 6** *Directives for OIML technical work*



OIML Update – CIML Meeting

The CIML approved the following publications (cont.):

- New Basic Publication **B 20** *Rules for the use of OIML logos*
- New Basic Publication **B 21** *Framework for OIML Training Centers and OIML Training Events*
- Revision of **R 117** *Dynamic measuring instruments for liquids other than water*



OIML Update – CIML Meeting

The CIML approved the following new projects:

- Revision of **D 31** *General requirements for software controlled measuring instruments*
- New publication: **R 87** *prepackage template*
- Revision of **R 142** *Automated refractometers: Methods and means of verification*
- New publication *Rotary viscometers - Determination of dynamic viscosity - Verification method*
- Revision of **B 11** *Rules governing the translation, copyright and distribution of OIML Publications*



OIML Update – CIML Meeting

OIML Medals were given to:

Mrs. Lagauterrie (France)

Dr. Borzyminski (Poland)

Dr. Miki (Japan)

OIML Letter of Appreciation given to:

Mr. Oosterman (Netherlands)



OIML Update – Future CIML Meetings

55th CIML Meeting and 16th International Conference
will be hosted by People's Republic of China
in Suzhou in October 2020

56th CIML Meeting
will be hosted by Russian Federation
in St. Petersburg in 2021



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OIML Update – CIML Meeting

Thank You

Questions?



OIML Update – CIML Meeting

TG 2023 considered that high priority OIML publications should be identified so that OIML technical work can in turn be prioritised and make effective use of available resources.

A set of criteria was established to identify priority publications as follows:

- 1) Recommendations with relevance to the OIML Certification System (OIML-CS)
(e.g. number of certificates in the past).
- 2) Publications where “demand” is expected in the future, based on the
 - needs of Member States,
 - needs of society,
 - needs of manufacturers (e.g. demand for certificates), or the
 - needs of Countries or Economies with Emerging Metrology Systems (CEEMS).
- 3) Generic Documents that cover a wide range of instruments such as D 11 and D 31.
- 4) Publications with relevance to the Organisation (e.g. B 6, D 30, R 111, Vocabularies).
- 5) Publications with relevance to Regional Legal Metrology Organisations (RLMOs), e.g. those used for normative documents in the EU.



OIML Update – CIML Meeting

“Top-10” priority publications

- B 6 Directives for OIML technical work
- D 11 General requirements for measuring instruments - Environmental conditions
- D 31 General requirements for software controlled measuring instruments
- R 49 Water meters for cold potable water and hot water
- R 51 Automatic catchweighing instruments
- R 60 Metrological regulation for load cells
- R 76 Non-automatic weighing instruments
- R 91 Radar equipment for the measurement of the speed of vehicles
- R 117 Dynamic measuring systems for liquids other than water
- R 137 Gas meters



OIML Update – CIML Meeting

“Top-10” priority projects

D 1 Considerations for a Law on Metrology

D 30 Guide for the application of ISO/IEC 17025 to the assessment of Testing Laboratories involved in legal metrology

D 31 General requirements for software controlled measuring instruments

R 23 Tire pressure gauges for motor vehicles

R 51 Automatic catchweighing instruments

R 76 Non-automatic weighing instruments

R 91 Radar equipment for the measurement of the speed of vehicles

R 117 Dynamic measuring systems for liquids other than water

R xxx Instruments for measuring the vehicle exhaust soot particle (new Recommendation)

R 134 Automatic instruments for weighing road vehicles in motion and measuring axle loads