



**Agenda Item 16.2:**  
**Report by the CEEMS AG Chairperson**



**October 2022**

## **Annual Report by the CEEMS Advisory Group to the 57th CIML Meeting**

### **Introduction**

This is the first Annual Report from the CEEMS Advisory Group since October 2020, the Chair's health issues and the vacancy in the position of Vice-Chair having prevented a meeting taking place in 2021. This report therefore covers the last two years. In fact, throughout that period, the work of the Advisory Group has continued to be severely impacted by the travel restrictions, lengthy periods of home-working and reprioritisation which occurred as a result of the COVID-19 pandemic. However, during 2022 we have begun using interim online meetings, and online meetings took place on 16 May and 21 July, in addition to the main meeting on 12 October. This has allowed good progress to be made on the two main projects mentioned in the 2020 Report, namely (i) the revision of OIML Basic Publication B 19:2017 *Terms of Reference for the Advisory Group on matters concerning Countries and Economies with Emerging Metrology Systems*, and (ii) follow up to the Advisory Group's consideration of capacity building and other CEEMS activities in a Post-COVID-19 World.

### **Changes in Advisory Group members**

In the past few years there have been a number of changes to the membership of the Advisory Group, mainly due to several RLMOs changing their representatives and some CIML volunteers leaving their CIML positions (Iran, Kenya and Zambia). CIML Members bring an important source of expertise to the work of the Group and we would strongly urge more CIML Members to join. In addition we were pleased to welcome Marion Stoldt as a Co-opted Expert. Marion will be known to many CIML Members through her extensive work within PTB. The full membership of the Group is set out in Annex A.

The Group has also had to address the vacancy in the position of Vice-Chairperson and the retirement of the current Chairperson at the end of this year. In both cases it was decided to apply the procedure in the revised B 19 (see below) and the Group is pleased to recommend to the CIML the appointment of Mr Han Jianping as Vice-Chairperson, with immediate effect, and Mr Jaco Marneweck as Chairperson, starting on 1 January 2023. Both appointments are for a term of three years.

### **Revision of OIML Basic Publication B 19 *Terms of Reference for the Advisory Group on matters concerning Countries and Economies with Emerging Metrology Systems***

The Advisory Group agreed at its 2019 meeting to revise the procedures for selecting the Chairperson and Vice-Chairperson and for providing the secretariat. Initially there was a feeling that the OIML-CS Management Committee might provide a suitable model for this revision. However, it was subsequently considered that the development of the OIML Digitalisation Task Group (DTG) had provided a better model, and at the 16 May AG meeting, it was decided that the revision of B 19 should take as its starting point the terms of reference of the new DTG. In addition to various purely editorial changes, this has led us to propose:

- Changes to the list of functions to emphasise the Advisory Group's role in promoting CEEMS involvement in the OIML's technical work and the OIML-CS, and to recognise the importance of emerging areas such as digitalisation.



- A formal procedure, set out in a new Annex, on the appointment of the Chairperson and Vice Chairperson, based on the DTG model.
- More detail on the process for appointing co-opted experts, including a renewal of their terms every three years. The requirement for CIML Members and RLMO representatives to confirm their participation every three years has been dropped.
- Revised text on Secretariat arrangements, which continues to encourage Member States to provide secretariat resources.
- A new provision, taken from the DTG Terms of Reference, which establishes that meetings other than the annual one coinciding with the CIML meeting will usually be held online.
- A provision permitting CIML volunteers and RLMO representatives to appoint proxies from within their own organisations.
- A new provision dealing with observers – this was inspired by a provision in the DTG Terms of Reference and reflects past practice at our physical meetings.
- A new provision to make clear the Chairperson's responsibility for organising meetings, again taken from the DTG Terms of Reference.

### **Capacity building and other CEEMS activities in a post-COVID-19 world**

Our 2020 Report provided an account of the discussion at the October 2020 AG meeting on how capacity building and other CEEMS activities could be best taken forward in a post-COVID-19 World. In particular, we reported the decision to draw up a Strategy on the application of online technology to capacity building and other CEEMS activities – subsequently designated “the Online Technology project”.

Events of the last few years have confirmed the Advisory Group’s expectation that travel restrictions, increased home-working, reductions in availability of legal metrology staff and reduced funding are likely to continue for the foreseeable future. The take-up of online working among the CEEMS community appears, however, to have been more widespread and successful than was feared in 2020, which has reduced the urgency which was felt at the time. Work has therefore concentrated on how legal metrology authorities in CEEMS can make the best use of online technology to function in a world where there are fewer and less experienced staff, with a particular focus on how online technology can be used to conduct CEEMS support activities.

The original intention was that this should be a strategy document adopted by the Advisory Group and submitted to the CIML for endorsement. However, the document has evolved into guidance on how online technology can be applied to a wide range of different activities – the development of documents and materials of interest to CEEMS; e-learning; interactive training courses; consultancy and advisory services; informal contacts between legal metrologists; and engagement with development agencies and government decision-makers. The proposal is now that the document should be issued as an OIML Guide titled *Guide to the use of online technology for conducting CEEMS activities in a post-COVID world*. A final draft of the document has now been prepared and will be submitted to the CIML President for approval shortly.

At the same time, the Guide also includes a number of recommendations to the BIML, the CEEMS Advisory Group and other OIML bodies on actions they can take. The most significant of the recommendations have been added to the Advisory Group’s Work Plan.



### **Digital transformation in CEEMS**

The Advisory Group's discussion of the Online Technology project highlighted the CEEMS interest in wider aspects of digital transformation. A final section of the new Guide identifies the different issues and opportunities arising from:

- The regulatory and enforcement challenges posed by the increased use of digital technology in measuring instruments.
- Changed expectations on how the legal metrology community carries out its dealings with business and the general public.
- Increased use of digital technology within legal metrology authorities and the organisations that support them.

Most of these questions are within the remit of the OIML's Digitalisation Task Group (DTG), and the Advisory Group has made several recommendations on how it can work with the DTG to ensure that CEEMS' interests are fully taken into account in the work of the DTG. These have also been added to the Advisory Group's Work Plan.

### **OIML Document D 1:2020 *National metrology systems – Developing the institutional and legislative framework***

The impact of the new D 1, published following CIML approval in 2020, has been seriously affected by the restrictions and distractions caused by the COVID-19 pandemic. It was always envisaged that publication of the document would be followed by the development of concise leaflets aimed at a wider audience, training materials and other efforts to help make consultants working in CEEMS better able to use the new framework, but this too has been disrupted by the pandemic. Nevertheless, development of an e-Learning package focused on D 1, together with other publications, has begun, in conjunction with the BIPM. The Advisory Group has also authorised a project to develop training material on using D 1.

### **The Advisory Group's Work Plan**

The Work Plan as adopted by the Advisory Group at its 12 October meeting is attached as Annex B. In addition to the projects already mentioned above, other areas of activity which remain priorities include:

- Further development of the CEEMS web pages on the OIML website;
- The updating and extension of the Experts Database;
- Extension of the suite of e-Learning modules to support a variety of training needs;
- Further proposals for OTC/OTE projects as envisaged by B 21;
- Proposals for a scholarship programme for future leaders in CEEMS;
- Input into the APLMF pre-market surveillance pilot studying Conformity to Type problems;
- Projects to revise OIML International Documents D 14 and D 19, together with D 20 if a convener can be found.

### **CIML Resolution 2018/15**

2018 CIML Resolution 2018/15, which highlights the areas in which the OIML should be focusing its attention in the future, remains the principal source governing the Advisory Group's work. In the past it has been the practice to provide the CIML with an analysis of the progress made on the various

---



Organisation Internationale de Metrologie Légale

---

International Organization of Legal Metrology

elements but in view of the continued disruption created by the COVID-19 pandemic, the limited progress that has been possible and the pressure on OIML's agenda for its online meeting, we have again decided not to prepare such an assessment this year.

**Peter Mason**  
Chairperson

**Han Jianping**  
Vice-Chairperson Designate

---



## **Annex A**

### **CEEMS Advisory Group membership – 2022-10-12**

**Mr Peter MASON** - *Chairperson*

**Dr Roman SCHWARTZ** - *CIML President*

**Dr Charles D. EHRLICH** - *CIML First Vice-President*

**Dr Bobjoseph MATHEW** - *CIML Second Vice-President*

**Mr Anthony DONNELLAN** - *BIML Director*

**Dr Martin MILTON** - *BIPM Director*

**Mr Bill LOIZIDES** - *CIML Member, Australia*

**Eng. Fernando Antonio ARRUZA RODRIGUEZ** - *CIML Member, Cuba*

**Mr B.N. DIXIT** - *CIML Member, India*

**Mr Jaco MARNEWECK** - *AFRIMETS*

**Dr Tsuyoshi MATSUMOTO** - *APLMF*

**Mr Zhanat BEGAYDAROV** - *COOMET*

**Mr Omar KANAKRIEH** - *GULFMET*

**Eng. Ralph A. RICHTER** - *SIM*

**Mr Zijad DZEMIC** - *WELMEC*

**Mr Jianping HAN** - *Co-opted expert*

**Mr Andy HENSON** - *Co-opted expert*

**Dr Marion STOLDT** - *Co-opted expert*

## **Secretariat**

**Mrs Huaxin ZHENG** - *Co-Secretariat of AG*

**Mr Su GUO** - *Co-secretariat of AG*

**Mr Ian DUNMILL** - *Co-Secretariat of AG*

---



Organisation Internationale de Metrologie Légale

---

International Organization of Legal Metrology

## **Annex B**

### **CEEMS AG Work Plan**



<b>CEEMS Advisory Group Work Plan 2022 (v5)</b>		
		<b>Responsibility</b>
<b>Develop web pages focused on CEEMS issues on the OIML website which promote communication and information exchange</b>	<p>The CEEMS pages on the OIML website have now been restructured and the content updated.</p> <p>There is an ongoing need to add new content regularly to ensure they remain relevant.</p>	BIML/AG Chair
<b>Experts Database</b>	Needs to be updated. Member States and Corresponding Members should be asked to expand the Experts Database by re-nominating experts and nominating new experts who can support CEEMS training and consultancy activities.	Vice-Chair/secretariat
<b>e-Learning modules</b>	<p>ACP EU TBT Programme platform is already on the OIML website. Some problems arose due to the out-of-date software and hardware, and the lack of a development system. A new server has now been put in place, and a consultant found to update the software. French and Spanish translations have also been completed and can be integrated once the platform has been updated.</p> <p>Materials available from APLMF: One module has been received, and future cooperation is envisaged. These can be made available once the platform updates have been completed.</p> <p>Working with BIPM to develop E-Learning package and other materials based on D 1 course.</p> <p>Consider whether e-Learning material from other Member States and QI partners might be useful. No progress so far.</p> <p>The new <i>Guide to the use of online technology for conducting CEEMS activities in a post-COVID world</i> provides general guidance on the development and use of e-Learning packages.</p>	BIML
<b>Further surveys of the needs of developing countries</b>	<p>Results of 2018 survey submitted to October 2018 AG meeting and placed on public CEEMS pages.</p> <p>Next survey was planned for 2021 but overtaken by COVID pandemic. AG to consider a new survey in 2023.</p>	
<b>Project to revise D 14</b>	Project now firmly under way. A meeting was held on 26 July, at which a planned	CEEMS/p 1



	questionnaire to obtain feedback on various items in D 14 was discussed. Members have now been invited to respond.	Convener: Dr Cord Müller (DAM, Germany)
<b>Project to revise D 19</b>	ICD in preparation early 2020, but not clear about current status.	
<b>Promotion of D 1</b>	<p>May 2022 AG meeting approved project to develop training material on using D1.</p> <p>Presentation on D1 made for a UNIDO project in Armenia in June 2022 – could form basis of a more substantial package.</p> <p>User-friendly summary for hard copy distribution under consideration in conjunction with e-Learning package being developed with BIPM.</p>	
<b>Strategy for “OIML Training Centers” and similar training initiatives</b>	<p>Strategy set out in B 21 approved in October 2019.</p> <p>AG indicated it would like to see some further revision and improvement. The ad hoc working group led by the then AG vice chair was to have begun revising B 21 in 2020, but was delayed due to COVID-19 reprioritisation.</p>	??
<b>Possible scholarships programme for future leaders in CEEMS</b>	<p>CEEMS AG agreed at the 2019 meeting to proceed on the basis of the tabled proposals if volunteers to act as hosts and sponsors could be found. Volunteers now being sought. China plans to offer opportunity for 2-3 secondees when COVID-19 travel restrictions are lifted.</p> <p>Online Technology Guide recommends reactivating these proposals.</p>	Secretariat
<b>Evaluations of the “OIML Training Centers” and other OIML initiatives</b>	B 21 now requires evaluations for each event, but because of the COVID-19 crisis, no OTC/OTE has been held since B 21 was adopted.	Secretariat
<b>Organise further workshops</b>	<p>Workshop on World Bank/PTB Toolkit held in Hamburg.</p> <p>e-Learning workshop organised during the 54th CIML meeting. Following this a small working group has been establishing OIML policy on online training and taking related actions.</p> <p>55th &amp; 56th CIMLs did not have Workshops because they took place online.</p> <p>Ideas for new workshops to be considered in 2023.</p>	All



<p><b>Further Planned OTCs and OTEs</b></p>	<p>OTC on Smart Meters in conjunction with MEDEA planned for Changsha in June 2020 not held because of COVID-19 crisis. Online training course involving GULFMET held in October 2020.</p> <p>Seminar on D 31 in Brazil scheduled for before June 2020 not held because of COVID-19 crisis.</p> <p>CEEMS AG Meeting in May 2022 informed of plans for Germany to hold a big event in 2023.</p>	
<p><b>Proposal to carry out a market surveillance pilot at a regional level to study Conformity to Type problems</b></p>	<p>Australia has proposed a two-stage project. The first stage is to conduct performance tests on a selected number and range of newly manufactured instruments to assess the risk of non-conformance. This pilot study will quantify the needs and benefits of the second stage – an on-going Conformity to Type programme.</p> <p>Other countries in the region encouraged to participate to provide greater efficiencies to the program.</p> <p>Oct 2019 AG meeting expressed support for this initiative.</p> <p>APLMF Chair confirmed at RLMO RT that this project was proceeding.</p>	<p>Bill Loizides</p>
<p><b>CEEMS Activities in a post-COVID World</b></p>	<p>Strategy for Application of Online Technology to Capacity Building and other CEEMS Activities has now developed into a Guide to be issued in the OIML G series. Final draft prepared by a joint AG/DTG project group has been endorsed by both AG and DTG and will be submitted to CIML President for approval in late October.</p>	<p>Chair, ID</p>
<p><b>Follow-up to Online Technology Guide- AG</b></p>	<p>Online Technology Guide has a number of recommendations for the AG:</p> <ul style="list-style-type: none"> <li>• expand Expert Database so that experts can provide information on their experience in delivering online training.</li> <li>• conduct an enquiry about whether there would be support among OIML Members for the organising a Mentoring programme for the benefit of senior CEEMS legal metrology officials.</li> <li>• launch survey to identify the priority needs of CEEMS in terms of advisory</li> </ul>	<p>???</p>



	<p>and other services, equipment needs, guidance documents and training courses related to digitalisation activities.</p> <ul style="list-style-type: none"> <li>• based on the results of the survey, consult with DTG on developing proposals for (a) guidance documents, (b) advisory or other services (c) making equipment available and/or (d) training.</li> </ul>	
<b>Follow-up to Online Technology Guide - DTG</b>	<p>Collaboration arrangements between DTG and CEEMS AG are being developed. These will include seeking comments from AG on documents and recommendations to be submitted to CIML or which are to be made publicly available.</p> <ul style="list-style-type: none"> <li>• DTG to guide development of e-Learning material about digital transformation in legal metrology.</li> <li>• DTG to consider, in close cooperation with all areas of OIML work, including the CEEMS AG, development of a new OIML Digital Technology Document which should contain both a vision and recommendations regarding digital transformation in the field of legal metrology.</li> </ul>	
<b>Follow-up to Online Technology report – BIML/OIML/others</b>	AG to prepare report on take-up of recommendations in Guide.	
<b>Prepare annual reports to CIML on the AG’s activities, including assessment of progress on work package contained in Resolution 2018/15</b>	AG Chair and Secretariat will prepare report, with Assessment Annex for CIML meeting October, 2023.	Chair
<b>Develop guidance and procedures based on the OIML Recommendations and Documents</b>	<p>D 1 revision complete and D 19 revisions proceeding under AG supervision.</p> <p>Proposal for D 20 revision will be prepared if convener can be found.</p> <p>New project for an R 87 template approved by 54th CIML as a direct result of recent CEEMS workshops. Progress planned for 2022 following pandemic delay.</p> <p><i>Guide to the use of online technology for conducting CEEMS activities in a post-COVID world</i> has been completed and is about to be submitted to CIML President for</p>	All



	<p>approval. Guide covers various aspects of good practice in using online technology, including how to make the best use of e-learning.</p>	
<p><b>Seek opportunities to collaborate with the other QI bodies, RLMOs and RMOs on projects of common interest</b></p>	<p><b>Cooperation with BIPM:</b> BIML proposals for working with BIPM on a package of co-operation associated with their CBKT program were presented at 2019 AG meeting. Plans to develop these during 2020 delayed by COVID-19 crisis. The possibilities of cooperation will be examined once the OIML platform has been upgraded.</p> <p>Participation in the development and launch of UNIDO's <i>Guide to the development of a laboratory policy</i> and Quality Infrastructure for Sustainable Development (QI4SD) Index.</p> <p>D 1 revision was a joint project with BIPM and involved collaboration with APLMF and APMP on their Joint Guide 1. BIML and BIPM are working together to develop an e-Learning package focused on D 1, together with other publications which can be used in training courses and elsewhere.</p> <p>OTCs in China continue to involve APLMF co-operation.</p> <p>OTE in Brazil was planned in cooperation with SIM.</p> <p>The World Bank/PTB Quality Infrastructure Toolkit has been introduced at several GAs (ILAC_IAF, ISO in Berlin, OIML in Hamburg, Director's meeting BIPM Paris) and it is now used in several PTB projects around the world. Other ideas for promoting its use continue to be investigated and suggestions are welcome.</p> <p>OIML worked with PTB in July 2021 to deliver training within ASEAN on introducing and operating type approval control systems.</p>	<p>AG Chair, AG Vice-Chair, RLMO RT Chair</p>
<p><b>Revision of B 19</b></p>	<p>Proposal for using DTG as a model were discussed and accepted at AG meeting in May 2022. A revised text has now been agreed by the project group and endorsed by the AG. It is hoped it will be approved by the CIML in October 2022.</p>	<p>Ad hoc project group</p>