



53rd CIML Meeting - Working Document

**Additional Meeting Document**

**53-CIML-AMD-18**

2018-10-10

**Agenda item 10: Countries and Economies  
with Emerging Metrology Systems (CEEMS)**

**Item 10.1: Report by the CEEMS Advisory Group Chairperson**



## **Annual Report by the CEEMS Advisory Group to the 53rd CIML Meeting**

### **1 Introduction**

The past year was the first during which the CEEMS Advisory Group (CEEMS AG) operated under the terms of OIML Basic Publication B 19:2017 *Terms of Reference for the Advisory Group on matters concerning Countries and Economies with Emerging Metrology Systems (CEEMS)*. With the Advisory Group itself meeting only once a year, immediately before the CIML meeting, most of the Group's impact has been through the Work Plan drawn up in accordance with Clause 6 of B 19:2017 and adopted at its meeting in 2017 (Annex A).

The Work Plan adopted last year highlights seven main areas of activity:

- developing the CEEMS web pages on the OIML website;
- organizing a new survey of the needs of CEEMS;
- establishing a database of experts available for consulting work;
- revising OIML International Document D 1:2012 *Considerations for a Law on Metrology*;
- preparing a strategy for "OIML Training Centers";
- preparing evaluations of previous "OIML Training Centers"; and
- encouraging the development of guidance on OIML Recommendations and Documents, in ways which assist CEEMS.

### **2 CEEMS pages on the OIML website**

The CEEMS web pages on the OIML website have been significantly restructured so that they can be used as the platform for a wide range of information resources of interest to the CEEMS community.

In the new website structure, there is now

- a section explaining the history and background to the OIML's work in support of CEEMS,
- a page is dedicated to the Advisory Group (role, composition, structure),
- a list of the OIML Training Centers (OTC) held so far including background information, details on the venue, scope of the course, etc.,
- a section on Seminars,
- a page giving details of the list of Experts which will be made available in the near future,
- details of the CEEMS Award (previously the *OIML Award for excellent achievements in legal metrology in developing countries*) and, added quite recently,
- a repository containing the actual material distributed and presented during the various OTCs.

Being able to locate quickly the pages of most relevance to CEEMS is something which can be greatly assisted by having recognizable branding such as a logo. The benefits of this can be seen in the way the new logo for the OIML Certification System is now being used, not just for the website but also for wider promotional material. Nevertheless, it is important that such logos do not proliferate in a way which creates confusion in the minds of our stakeholders, with the potential this has for undermining our efforts to promote our work to a wider public. The Advisory Group's meeting on 9 October looked at some designs produced by our colleagues at the PTB in Germany,



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but felt that since there was not an urgent need to develop a separate identity for our CEEMS work it was worth taking some more time to consider this matter, to ensure that problems of confusion were avoided. This work will be taken forward by the new ad hoc group, mentioned below, which will be looking at the Framework for future OIML Training Centers.

#### **3 Survey of the needs of the CEEMS community**

The survey conducted in 2014 has formed the basis of much of the OIML's activities in this area in recent years and it was therefore decided last year to refresh our understanding of what is most important to those developing their metrology systems with a new survey. This was issued on 26 June, with a deadline of 14 September for responses.

So far, we have received 28 completed surveys. Analysis of the responses has begun, but since the deadline was only two weeks ago this is something which will require more work before comprehensive conclusions can be reached. However, there are initial findings, notably the level of interest in R 49, R 117, D 31 and the OIML-CS, which we can already start taking into account when developing our activities, in particular the next round of OIML Training Centers.

#### **4 Database of Experts**

Providing our CEEMS colleagues with better information on experts who might be able to help them with advice on projects they are carrying out was one of the ideas which came out of the 2015 Seminars.

It has taken some time to establish the best way to achieve this, not least because it is important to make clear that in most cases the experts would not be working on behalf of the OIML, and the OIML would not be able to take responsibility for the quality of any work which the expert carried out. However, we now have details of 21 Experts and we hope to make the database available on the website shortly, once legal clearance has been obtained for the disclaimer.

#### **5 Revision of OIML Document D 1:2012**

A small project group consisting of Advisory Group members has volunteered to assist with the work on this revision. A first Working Draft was circulated by the convener in June, but comments received from a number of colleagues have confirmed a desire for a more extensive restructuring of the Document in order to make clearer the position of metrology, and in particular legal metrology, in the wider context of a National Quality Infrastructure. The highly successful Workshop held on 8 October, under the sponsorship of the Advisory Group, to look at the World Bank/PTB Quality Infrastructure Reform Toolkit further demonstrated widespread support for placing legal metrology firmly in the framework of Quality Infrastructure. And it confirmed the importance of D 1 in presenting legal metrology to a wider audience.

A more fundamental restructuring of D 1 will still be within the scope of the project approved by the CIML last year, but it does mean that a Final Draft Document will not be able to be submitted to the CIML before 2020 at the earliest.



## **6 OIML Training Centers (OTC)**

The OIML Training Centers, originally piloted by our colleagues in China, have been one of the most visible initiatives that the OIML has undertaken since the Advisory Group was established. During the past year Centers have been held in Kenya and Cuba, as well as a further one in China.

### **6.1 OIML Training Centers: Evaluation of the initiative so far**

So far, five OTC events have taken place, which have been attended by over 320 people. The events can be broken down as follows:

- *Non-automatic Weighing Instruments*, 17–21 July 2016, Beijing, P.R. China
  - Organised by the OPTC China
  - Over 50 participants from around 20 economies.
- *Legal Metrology Management Systems*, 9–11 August 2016, Guangzhou, P.R. China
  - Organised by AQSIQ and the OIML
  - Over 100 participants from 16 economies
- *AFRIMETS Legal Metrology Workshop*, 28 November – 1 December 2017, Nairobi, Kenya
  - Organised by the PTB and the OIML
  - Over 75 participants from 27 economies
- *Prepackaged goods*, 10–13 April, Nanning, P.R. China
  - Organised by the OIML, APLMF, SAMR and the PTB
  - Over 70 participants from 29 economies
- *Metrological of control of prepackaged products*, 5–7 June 2018, Havana, Cuba
  - Organised by the PTB, NC (Cuba) and the OIML
  - Over 25 participants

These events have been highly appreciated by the participants. They have followed different models of organisation and funding, and the valuable experience gained from their organisation will enable the OIML to streamline the development of future OTC events.

### **6.2 OIML Training Centers: Future strategy**

P.R. China, which established the first OIML Pilot Training Center (OPTC), formed a group in April 2018 to develop a framework for future OIML Training Centers and a first draft of a document was presented for consideration by the AG meeting on 9 October.



The Secretariat proposed a paper in the form of a draft Basic Publication. The AG agreed this provided a good basis but felt that it was premature to recommend a Basic Publication and that it would be useful to develop the draft so that it covered a wider range of models. They decided to set up an ad hoc group under the convenership of Peter Ulbig to carry out this work. The aim is for a document to be finalised in 2019 - probably for the CIML to approve (and certainly if a Basic Publication is recommended).

## **7 Advisory Group's role in developing OIML Recommendations and Documents**

OIML Basic Publication B 19:2017 states that one of the activities the Advisory Group may wish to undertake is “organizing the development of guidance and procedures that are based on OIML Recommendations and Documents, with the aim to assist with the implementation by CEEMS of OIML Recommendations and Procedures”. The revision of D 1:2012 has already been mentioned and there are now two further proposals submitted to the CIML to carry out revisions of D 14: 2004 and D 19:1988.

In addition, the AG considers that it has a role in encouraging projects which are of particular significance to the CEEMS community. The Revision of R 76:2006 approved last year is a good example of this. During the current year the AG, through its Vice-Chair, has been actively involved in efforts to complete the TC 3/SC 6 project on developing an International Document on premarket surveillance activities.

Other opportunities will be examined once the results of the Survey are available.

## **8 CIML Resolution 2015/10**

The resolution on CEEMS matters adopted by the CIML at its meeting in Arcachon has been the basis of OIML activities which include, but go beyond, the matters in which the AG is involved. In previous years it has been the practice to provide the CIML with an analysis of the progress made on the various elements identified in that Resolution. The analysis for 2018 is attached in Annex C.

It is clear that a number of the items in Resolution 2015/10 have now been actioned and the Advisory Group would like to propose that the CIML adopts a new Resolution which takes account of the progress made and highlights the areas in which the OIML should be focusing its attention in the future. A draft Resolution has been prepared for discussion by the CIML at its 53rd meeting, and is included in Annex D.



## **9 Future work plan**

The Work Plan is designed to be a “living document”, revised regularly to take account of progress. The version as it stands following the AG Meeting on 9 October is attached as Annex B. The principal changes are new entries on (i) the ad hoc group, which will develop the framework for future OIML Training Centers, (ii) an initiative promoting the use of the PTB/World Bank Toolkit for developing legal metrology systems in CEEMS, (iii) work to be carried out on the possibility of developing specific branding for OIML’s CEEMS activities, and (iv) a proposal to develop a pilot program auditing Conformity to Type practices in a number of countries.

10 October 2018

**Pu Changcheng**

*Chairperson*

**Peter Mason**

*Vice-Chairperson*



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<b>CEEMS Advisory Group Work Plan 2018 (v6)</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 Web-site have been restructured and the content updated.</p> <p>The new structure includes dedicated OPTC sections/pages and provides a platform to make information available on both future events and training materials.</p> <p>The scope for developing the CEEMS section so that it can provide opportunities for interactions such as:</p> <ul style="list-style-type: none"> <li>• Surveys</li> <li>• Q &amp; A</li> </ul> <p>will be kept under review</p> <p>The whole CEEMS section will continue to be developed incrementally as work on the 2018 Survey and the OTCs items progress</p> <p>In order to give OIML's CEEMS activities more prominence, both in the Web-site and more generally, work is taking place to produce a separate CEEMS logo similar to that used for the OIML-CS</p>	BIML (Chris Pulham)
<b>Further surveys of the needs of CEEMS</b>	In view of the need to refresh the information coming from the 2014 and 2015 surveys a further survey was launched on 26/6/2018 with a deadline for responses of 14/9/2018. 28 responses have so far been received (as at 9/10/2018)	Secretariat (Guo Su)
<b>Database of experts available for consulting work</b>	Call for nominations were issued in October 2017, with a template provided for CIML members to populate. 21 nominations have been received so far. Once the appropriate disclaimer has been agreed we should be in a position to publish the database on the OIML website.	Vice Chair, BIML (Chris Pulham)
<b>Consider possible logo/branding for OIML's CEEMS work</b>	Initial designs circulated in September 2018 Ad Hoc group on OTC Framework will progress this work	Ad hoc project group convenor (Peter Ulbig)
<b>Project to revise D1</b>	<p>Project was approved by CIML in Strasbourg. A first Working draft was circulated in July.</p> <p>Aim was originally for a FDD to be considered by CIML no later than 2019 but with general agreement that the revision should be more far-</p>	Vice Chair

	<p>reaching than originally envisaged, this is overly optimistic – 2020 at the earliest.</p> <p>A Project Group has been formed from AG Members with Vice-Chair acting as convener, but some consideration is needed on how to involve Member States, in particular those not represented on the AG.</p>	
<p><b>Strategy for “OIML Training Centers” and similar training initiatives</b></p>	<p>AG agreed in Strasbourg that a strategy should be developed for adoption in Hamburg.</p> <p>Initial thoughts were that decisions were needed for:</p> <ul style="list-style-type: none"> <li>• <b>Criteria</b> for deciding on future OTCs</li> <li>• <b>Framework</b> for documents to support future OTCs, including <ul style="list-style-type: none"> <li>○ <b>Training materials</b> to be used by OTCs</li> <li>○ <b>Quality systems</b> for running OTCs</li> </ul> </li> </ul> <p>Secretariat produced a paper in the form of a draft B Publication for discussion in Hamburg in October. AG agreed this provided a good basis but felt that it was premature to recommend a B Publication and that it would be useful to develop the draft so that it covered a wider range of models. Aim is for a document to be finalised in 2019 - probably for CIML to approve (certainly if a B Publication is recommended).</p>	<p>Ad hoc project group convener (Peter Ulbig)</p>
<p><b>Evaluations of the “OIML Training Centers” and other OIML initiatives</b></p>	<p>Work Plan approved in October 2017 indicated that AG Secretariat will prepare evaluations of OPTCs held so far after the planned OPTC training on pre-packaged goods.</p> <p>Aim is for an evaluation to be completed in time for the AG meeting in October.</p>	<p>Ian Dunmill</p>
<p><b>Organize further workshops</b></p>	<p>Workshop on World Bank/PTB Toolkit held in Hamburg.</p> <p>AG Meeting in October will be suggest further ideas on further CEEMS Workshops</p>	<p>All</p>
<p><b>Further Planned OPTCs</b></p>	<p>OPTCs held in Kenya, Cuba and China in the last 12 months. Possibilities in Brazil and China identified for 2019. AG involvement will vary on a case-by-case basis, until a OTC strategy is finalized.</p>	
<p><b>Proposal to carry out a study on Conformity to Type practices in a number of countries,</b></p>	<p>Australia has proposed a pilot CTT audit program.</p>	<p>Bill Loizides</p>
<p><b>Prepare annual reports to CIML on the AG’s activities</b></p>	<p>AG Chair, Vice Chair and Secretariat have prepared report for CIML meeting October, 2018.</p>	<p>Vice-Chair</p>
<p><b>Prepare report for CIML on progress on the work package contained in Resolution 2015/10</b></p>	<p><b>This will now be a Standing Item.</b> Report is annexed to the AG’s Annual Report.</p> <p>OIML PC and AG have proposed a new CIML Resolution to replace 2015/10.</p>	<p>Vice Chair</p>
<p><b>Develop guidance and procedures based on the OIML Recommendations and Documents</b></p>	<p>D1 Revision and the R76 proposal for developing a section on tests and procedures for verification already in hand.</p> <p>New projects to revise d 14 and D 19 under AG supervision have been submitted for CIML approval</p>	<p>Vice-Chair</p>



	in Hamburg.	
<b>Seek opportunities to collaborate with the RLMOs and RMOs on projects of common interest</b>	<p>D1 revision and the collaboration with APLMF and APMP on the Joint Guide 1 based on D1 already identified</p> <p>OTC on pre-packages (China) involved APLMF co-operation</p> <p>AG and RLMO RT will be asked to identify further opportunities to collaborate</p> <p>October workshop asked for ideas on promoting use of the World Bank/PTB Quality Infrastructure Toolkit</p>	<p>AC Chair, AG Vice-Chair, RLMO RT Chair</p>

### Assessment of CIML Resolution 2015/10

Responsibilities	Resolutions	Progress 2017-2018	Progress 2015-2017
	<u>Recognizing</u> the continued efforts that are needed to assist in building the capacity of legal metrology institutions and their staff in countries and economies with emerging metrology systems (CEEMS),		
<b>BIML/ CIML</b>	<u>Instructs</u> the Bureau to continue its efforts to participate in capacity building activities through training courses and other regional activities organized by other organizations,	QI Toolkit Workshop organised for Hamburg CIML	<ul style="list-style-type: none"> <li>• PEM organised workshops on Type Approval and Market Surveillance for officials in ASEAN</li> <li>• ACPEU TBT provided support for new e-learning platform</li> <li>• Training seminars on new Certification System held in China and Colombia</li> <li>• BIML participation with BIPM in capacity building</li> </ul>
	<u>Expresses</u> its support for the work of the DCMAS Network,	BIPM is a member of the project Group for D1. IEC has nominated an observer	<ul style="list-style-type: none"> <li>• Proposal for D1 revision is in part a response to approach from BIPM. Other DCMAS members will be able to apply for liaison status</li> </ul>
	<u>Instructs</u> the Bureau to continue to work with the constituent bodies of the DCMAS Network, in particular the BIPM, in identifying new initiatives where the OIML can make a direct contribution,	OIML continued to hold secretariat for a second year to provide more continuity	<ul style="list-style-type: none"> <li>• OIML as secretariat transformed the DCMAS website.</li> <li>• BIML participated with BIPM in capacity building</li> <li>• Extensive work with DCMAS and UNIDO on QI policy.</li> <li>• Renewed relationship with ISO/DEVCO and COPOLCO.</li> <li>• Worked actively on new definition of Quality Infrastructure which has now been agreed</li> <li>• Continued discussions with World Bank on participation in DCMAS - they attended this year's DCMAS meeting and may also give presentation by video at the CIML.</li> <li>• Worked on change of name to reflect wider QI remit rather than just "MAS".</li> </ul>

Responsibilities	Resolutions	Progress 2017-2018	Progress 2015-2017
	<p><u>Instructs</u> the Bureau to further develop the OIML website such that it may be used as a source of up-to-date information on capacity-building initiatives, including training materials and, if feasible, a database of experts available to contribute to such work,</p>	<ul style="list-style-type: none"> <li>• New web-pages designed - readily extendable. Includes an e-learning site</li> <li>• CEEMS AG has its own workspace set up</li> <li>• Experts database: Template designed; CIML Members have made 15 nominations; now finalizing the disclaimer for the experts</li> </ul>	
MS/Organization	<p><u>Endorses</u> the proposal of the advisory group, set up by Resolution no. 2013/9, to establish a “pilot training center” and encourages the authorities in P.R. China to give their full support to this initiative,</p>	<ul style="list-style-type: none"> <li>• Training course on prepackaged goods held in Nanning in 2018</li> <li>• New framework for OTCs being developed by colleagues in China</li> </ul>	<ul style="list-style-type: none"> <li>• Two very successful events held in Beijing and Guangdong in 2016</li> </ul>
	<p><u>Urges</u> other Member States to study the results of this first pilot and to consider, in the light of an evaluation of the pilot, whether they are able to initiate something similar,</p>	<ul style="list-style-type: none"> <li>• Training course was held in Kenya for Africa region</li> <li>• Training course was held in Cuba for Caribbean region</li> <li>• Proposal from Brazil, in addition to earlier interest from N Africa and COOMET region</li> </ul>	
	<p><u>Urges</u> 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,</p>	<p>BIML now has a secondment from China</p>	

Responsibilities	Resolutions	Progress 2017-2018	Progress 2015-2017
TC	<p><u>Requests</u> relevant Technical Committees and Subcommittees to take note of the demand from CEEMS to ensure Recommendations take more account of the needs of CEEMS,</p>	<ul style="list-style-type: none"> <li>• Revision of D1 under way - WD circulated for comment</li> <li>• Proposal to revise R19, based on the ASEAN document, submitted to CIML</li> <li>• Proposal to revise R14 submitted to CIML</li> </ul>	<ul style="list-style-type: none"> <li>• R76 revision in progress - is considering a “Part 4” approach to make it easier for verification officers to use it. This may form a model for other Recommendations.</li> <li>• ASEAN Guide on type approval close to completion - could prove model for revising D 19</li> <li>• Similar initiative in ASEAN on market surveillance could also result in a new guidance document.</li> <li>• Proposal for revision of D 1 as a joint exercise with BIPM, supervised by CEEMS AG submitted to CIML</li> <li>• Proposal for revision of D 14 and D 19</li> </ul>
MC	<p><u>Instructs</u> the Certificate System Project Group (CSPG), established by Resolution 2015/18, to ensure that the needs of CEEMS are addressed in the OIML Certificate System,</p>	<ul style="list-style-type: none"> <li>• Training seminars on the new system were specifically aimed at CEEMS</li> <li>• Proposal to revise D 19 will give further opportunity to emphasise the potential of the OIML-CS</li> </ul>	<ul style="list-style-type: none"> <li>• Proposals adopted in 2017 explicitly gave a role to CMs.</li> <li>• Plans to limit the size of the Management Committee have been abandoned</li> <li>• Training seminars aimed at CEEMS to a large extent</li> </ul>
BIML/ CIML	<p><u>Instructs</u> the Bureau to take account of the need for greater involvement of CEEMS in OIML technical work when further developing the OIML website’s functionality in supporting the technical work,</p>	<ul style="list-style-type: none"> <li>• Both the new B 6 and the interactive systems supporting Technical Work make it easier for CEEMS to participate in the Technical work as either P or O members</li> </ul>	
TC	<p><u>Instructs</u> the Project Group for the revision of OIML B 6:2013 <i>Directives for OIML technical work</i> (see Resolution no. 2015/13) to take account of the need for greater involvement of CEEMS in OIML technical work when drafting the revision of B 6,</p>	<p>Training for secretariats on the new B 6 has emphasised the need to take account of CEEMS inputs</p>	<ul style="list-style-type: none"> <li>• B 6 revision completed in 2017</li> </ul>

Responsibilities	Resolutions	Progress 2017-2018	Progress 2015-2017
	<p><u>Urges</u> the conveners of project groups TC 3/SC 6/p 1 <i>Premarket surveillance activities</i> and TC 6/p 5 <i>Guidance for defining the system requirements for a certification system for prepackages</i> to bring their work to a conclusion as soon as possible,</p>	<p>TC3/SC6/p1 has progressed to a4 CD</p>	<p>(TC 6/p 5 completed - G 21 published in 2017</p>
<p><b>MS/ Organization</b></p>	<p><u>Urges</u> Member States to be ready to propose conveners for projects to produce other documents proposed during the two seminars organized in 2015</p>	<ul style="list-style-type: none"> <li>• Germany has volunteered for the D 14 project.</li> <li>• PEM has volunteered to for the D 19 revision.</li> </ul>	<ul style="list-style-type: none"> <li>• Germany/France volunteered for the R76 project.</li> <li>• PEM has volunteered to work with BIPM on a D1 revision.</li> </ul>
<p><b>BIML/ CIML</b></p>	<p><u>Instructs</u> the Bureau to pay particular attention to the role of the OIML Bulletin and the OIML website in facilitating the exchange of new ideas, and in particular new approaches to legal metrology</p>	<p>GS Articles on OPTC training reports</p>	<ul style="list-style-type: none"> <li>• PEM article on legal metrology in a National Quality infrastructure</li> <li>• MK article on application of D 1</li> <li>• 2016 article on milk deliveries</li> <li>• Articles on OTCs</li> </ul>
	<p><u>Notes</u> the particular contribution that research can play in promoting and evaluating new approaches to legal metrology, and instructs the Director to take this into account when considering projects which can be supported by the special fund created by the 14th Conference,</p>	<ul style="list-style-type: none"> <li>• New round of survey on needs of CEEMS has been launched</li> <li>• Special fund has supported OTC and seminars/trainers in other places</li> <li>• WHO, ISO and others have been approached about a study on current standard making and regulation on medical measuring instruments</li> </ul>	<ul style="list-style-type: none"> <li>• ACP EU TBP programme allowed development of the successful e platform</li> <li>• The e-learning platform can continue to be developed using Special fund. Already plans in place to make it available in French and Spanish. Other courses need to be considered.</li> <li>• Looking at a proposal to study links between legal metrology and regulation of medical measuring instruments</li> <li>• Continue to look for effective way of following up French student report - possible interest from a contact in Brazil.</li> </ul>

Responsibilities	Resolutions	Progress 2017-2018	Progress 2015-2017
	<p>Requests its President, Vice Presidents and the Bureau to take particular account of the needs of CEEMS when involved in activities related to Objective 5 in the OIML Strategy (OIML B 15:2011).</p>	<ul style="list-style-type: none"> <li>•WMD provided opportunities in Nigeria and Portugal</li> </ul>	<ul style="list-style-type: none"> <li>• Senior level engagement in, China, Cuba, Egypt, El Salvador, Kazakstan, Kenya, Malaysia, Myanmar, South Africa, Thailand,</li> <li>• Metrology featured prominently in major international Conference on regulation in London in 2016</li> <li>• Best young metrologist in COOMET award attracted a lot of interest</li> <li>• Involvement with UNIDO on quality policy development provided good opportunities for high-level engagement, eg side event to UNIDOLDC inter-ministerial meeting</li> </ul>

**Resolution no. 2018/...**

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 relevant Technical Committees, Subcommittees and Project Groups to take note of the demand from CEEMS to ensure Recommendations 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 (such as those proposed during the two seminars organized in 2015),

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.