



Agenda Item 13.4:

Countries and Economies with Emerging Metrology Systems (CEEMS)

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BIML note: A written report was not provided to CIML Members prior to the CIML Meeting for agenda item 11.1 *Report by the Advisory Group Chairperson*, so the following text is taken from the minutes for that meeting.

Mr. Mason said he would take over, but would immediately pass to his colleague Mr. Guo Su, who would make the first of three presentations that they intended to give the Committee under this heading. The first had been compiled by Mr. Guo Su in conjunction with the AG chair, and gave an account of the activities up to Monday's meeting. Mr. Mason said that he would then give a presentation on Monday's meeting, and finish with one on the progress they had been making on CIML resolution 2015/10.

Mr. Guo Su greeted delegates and introduced himself as being the Advisory Group (AG) secretary. He asked that, on behalf of the Advisory Group chair, Mr. Pu ChangCheng, he be allowed to report on the AG's activities. The report would contain three parts - the first would be about the AG charter and the achievements of the current year, as well as future plans. He said that someone had informed him they were confused about the provisions regarding the AG, CEEMS and the OPTCs, so he said he would start with a brief explanation. The AG was the *Advisory Group*, which had been created by the CIML in 2013 to provide advice to CEEMS. CEEMS stood for *Countries and Economies with Emerging Metrology Systems*, and refers to the focus of the AG. The terms of reference of the AG were in the Final Draft Basic Publication which been made available to CIML Members on this meeting's website. The OPTC was the OIML Pilot Training Centre, which had been founded in 2016 by China, and which provided training, consultation, and support work for the AG. He showed the Committee a chart showing that the AG was working under the CIML, with the members comprising the CIML President, the CIML Vice-President, the BIML Director, the BIPM Director, and volunteer CIML Members as well as OIML experts and RLMO representatives. Currently the AG chair was Mr. Pu ChangCheng from China, and the co-secretariat was from China and the BIML, and the OPTC worked under the AG. Looking at the AG's achievements during 2017, he said that one huge achievement had been that together, they had developed the OIML Basic Publication with Mr. Mason, based on the AG's Terms of Reference. The contents include the AG's roles and functions, the composition of the group, the duties of the chairperson, arrangements for meetings, and secretaries of the AG. They had also added a workplan to the AG Basic Publication, and the Final Draft was to be voted on at this CIML meeting.

Next, he wanted to talk about the OIML experts database. The AG and the BIML had together developed the CEEMS AG expert application form, which had been announced in September 2017, and he showed delegates an example. He added that there was a proposal regarding this which he would talk about later. The AG and OPTC had together made a contribution to OIML activities, such as the seminar on the OIML-CS which had been co-organized by the OIML, the AG and AQSIS which had been held on 15 June 2017 in Shanghai, P.R. China. Dr. Schwartz had participated, together with Mr. Pu ChangCheng, Mr. Wu Qinjhui (the CIML Member for China), and also Mr. Xiao Jianhua (IAF chair), as well as the BIML and many CIML Members. Altogether, a total of over 500 participants from over 20 countries, including government institutes, metrology experts, as well as manufacturers and suppliers of measuring instruments, had attended this opening event. This huge and important OIML event had brought many stakeholders together to discuss the OIML-CS, and to share knowledge of the Mutual Acceptance Arrangement, and thus helped in reducing technical barriers to trade, in facilitating international trade in measuring instruments, and in promoting the internationalization of the measuring instrument industry. He went on to show the Committee a video. He made the following comments about the video. He said delegates would first see a participant signing up for the meeting, and he said they would recognize a lot of familiar faces. They would then see the official opening of the meeting, followed by Mr. Xu Kunlin, the deputy Mayor of Shanghai Municipal People's Government congratulating them on the opening of the seminar on the OIML-CS, and warmly welcoming participants from all over the world. They could then see Mr. Wu Qinjhui, the CIML Member for China and Vice-Minister of AQSIS, saying that China would continue to support, and actively participate in, the process of the mutual recognition of international metrology to integrate China's metrology system into the international system, and thus jointly promote the improvement of international legal metrology

systems. The video then showed the presenters giving their reports. This was followed by Mr. Xie Jun, who had said that the new OIML-CS would be a great opportunity for development, not only for manufacturers, but also for institutes such as NIM China. During the panel discussion and question and answer session, they had taken questions from participants, and Mr. Xiao had said that he believed that, with a joint effort from the other participants in the OIML-CS, they were surely showing the benefits of the OIML-CS. The next part showed Mr. Pu ChangCheng congratulating participants on a fruitful result.

Mr. Guo Su went on to describe how the OPTC had, together with the APLMF, carried out a joint MEDEA project which had been funded by the PTB. Over 40 participants from 14 countries, including Mr. Pu ChangCheng, attended the MEDEA project training on the verification of weighbridges. The trainers had come from China and New Zealand, and he highlighted that in particular, the Chinese trainer had been selected from the OIML expert database, and they had conducted the first of the OPTC training events on NAWIs last year. He reiterated that this training had been jointly organized with the OPTC, the APLMF, and the PTB, and for this training, apart from the training itself, the agenda had included an economy report, a group discussion, a laboratory tour, and an onsite visit, and it had also publicized the OIML since some of the countries taking part were not yet members of the OIML, such as Sri Lanka, Bhutan and Kyrgyzstan. He showed the Committee some photos taken during this training, demonstrating the visit to the laboratory and the onsite visit to a manufacturer.

After last year's CIML meeting, they had discussed the responsibility for the website with the BIML, and the BIML had built the AG website, and China would build the OPTC website. In order to ensure there was useful content on the website, Mr. Guo said they needed to work closely with RLMOs so as to share the information and avoid duplication, so they had investigated the market to see which functions it could provide. New functions could include mobile applications and a mobile version of the website, but this would cost a huge amount of money for development and maintenance, and so may be included in phase two.

The final part of Mr. Guo's report was about the future plans. He showed the Committee the highlights of the workplans that were in the Basic Publication. First had been the survey, which had been carried out three years previously. Four training courses or seminars had been conducted according to the survey's priorities, and for the following year, they planned to organize training on prepackaged goods. Here he said that he had consulted with his colleagues from New Zealand, and the training would start at the end of March; the trainers would all be from New Zealand even though the training location would be in China. Through the survey, they wanted to collect information about the development of members over the three years, as well as about new training and guidance needs, and also the needs for laboratory equipment which had been inspired by the MEDEA project. Dr. Toshiyuki Takatsuji's idea had been to establish an instrument bank, so that if the developed economies had laboratory equipment which they no longer used, they could donate it to the bank so it could be provided to developing economies. There was another proposal which was that they hoped that all TCs/SCs or PGs could provide at least one expert to be included in the OIML expert database. The main purpose of these experts would be to interpret OIML Recommendations and guidelines. Guo Su also pointed out that through the MEDEA project, the APLMF and APMP together had developed a joint guide called the National Metrological Infrastructure which had been further interpreted in OIML D 1, and they wanted to use this to publicize OIML D 1.

Regarding the AG initiatives in future years, Mr. Guo said they would provide training according to the priorities identified by the needs they had collected, and would publicize the OIML-CS and OIML D 1 by organizing events and working closely with the RMLOs, as well as doing routine work on funding applications, awareness-raising for metrology, and liaison with other organizations.

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Dr. Schwartz thanked Mr. Guo for his excellent presentation and asked Mr. Mason to give part two of the presentation.

Mr. Mason explained that what they had been intending to do was to put together the report that Mr. Guo had compiled on the AG's activities up to the present week. He said on the previous Monday after

the RLMO round table, the AG had met again, and he said they hoped this would be a continuing pattern. The AG meeting had been very well attended, and with one exception, every single member had either been present or had supplied proxies. Firstly, they had had to recognize that Mr. Faber, who had kindly volunteered to be involved in the work of the AG the previous year, had decided to stand down, but they had also decided that the AG would benefit from having as co-opted expert members both Mr. Henson from BIPM, who the Committee had heard from the day before, and also himself, because after he ceased to be President he would cease to be an ex officio member of the group. They had heard about the OPTCs held so far, and the plans for future developments, in the presentation that Mr. Guo had just made. Mr. Mason said they had also noted the website developments, and here he emphasized that there was now part of the OIML website devoted to CEEMS. Mr. Mason said they had already started thinking about whether they needed an OIML CEEMS logo to identify this part of the OIML's activities. If anything were to come of this discussion, then the AG would bring it back to the Committee. They had also taken note of the experts database which Mr. Guo had mentioned a couple of times, and here Mr. Mason reminded all CIML Members that they were being asked to gather and encourage experts that were known to them to put themselves forward. These were experts that might be prepared to provide their services on a cost-only basis. They might be experts that they knew were available through various funding agencies or support organizations such as the PTB, or they might be experts that offered their services on a commercial basis, and the intention was that the OIML should gather these names, and make the information available via through the OIML website. Mr. Mason said he thought the suggestion from Mr. Guo, that they made a conscious effort to capture experts with expertise across the whole range of OIML activities through the TC network was a good one, and he asked CIML Members to take that into account when they were processing this information. They had also noted a report on progress on the items identified in CIML resolution 2015/10, and he remarked that he would be making a separate presentation on that shortly. Finally, they had adopted a draft workplan, which was something that had been specified in the new Basic Publication, which the Committee would be invited to approve during this meeting, and the workplan would also be made available on the OIML website. They had then noted that one of the other elements of the Basic Publication was the creation of a Vice chair position, and he remarked that as delegates knew, Mr. Pu ChangCheng had made a terrific contribution to the work of the AG, but he had commitments in China, particularly associated with the People's Assembly, which meant that it was often difficult for him to attend CIML meetings. It was therefore necessary for the OIML to have the continuity of knowing that there was someone else who could chair the Advisory Group in his absence, and Mr. Mason commented that he was pleased and honored to say that the Advisory Group had elected him as vice chair. If the CIML approved the Basic Publication they were about to come to, they would be able to see a little more of him in the position of vice chair of the AG. Mr. Mason said that this concluded his report of the meeting of the AG, adding that several Members currently present had also been at the AG meeting, and if there was anything he missed, he suggested they should feel free to say so. There were no questions or comments, so Mr. Mason suggested moving on quickly.

Mr. Mason said the final thing he would like to do was to go through the report in the same format he had done the previous year to confirm the activity that was taking place in the CEEMS area. He remarked that historically they had only heard reports on what the Bureau was doing in the CEEMS area, but now they were also getting reports from the AG secretariat. In fact, there was activity going on throughout the Organization, so he thought it was a useful discipline for the Committee to go through everything the Organization had set out to do in the CEEMS field. He thought they may possibly want to consider doing it slightly differently the following year, and indeed maybe refresh resolution 2015/10 at that time, but that was a discussion for next year. Mr. Mason reminded the Committee that, when they had rearranged the elements of resolution 2015, they had grouped them together under three headings:

- 1 Instructions to the Bureau, and to CIML office holders,
- 2 Elements that were connected with the direction of technical work, and
- 3 Recommendations they were making to Member States and other organizations.

On the first point, Mr. Mason said he could report that they had indeed been continuing the OIML's participation in a variety of training courses. There had been the various OPTC events that Mr. Guo had reported on, there had been a PTB seminar on market surveillance that he had been involved with, and there had been two seminars on the OIML-CS in China and in Colombia.

In terms of the Committee's instruction to continue working with DCMAS, as they had heard the day before, they had extended the period of the OIML's secretariat for a second year, they had improved the DCMAS website considerably, and had made a significant contribution to the new QI definition. In terms of the development of the OIML website, Mr. Mason said he had already referred to that, and he encouraged delegates to go and see not just what was there, but also the potential for it to be expanded, and to make suggestions for improvement and new information. Regarding the database of experts, Mr. Mason commented that he had just mentioned this as well. He went on to point out that there had been two articles that had been significant as far as he was concerned in the OIML Bulletin and the website, which were to be used for sharing new ideas. One was the article that Prof. Kochsiek had written on D 1, and the second was the article on legal metrology and its place in a national quality infrastructure, which he had mentioned the previous day. Mr. Mason said there was still room for plenty more, and he thought this was something where Members still needed to be actively looking for articles which were relevant to the issues concerning the CEEMS community, so they could be published in the Bulletin. In terms of the research program, they had used the ACP EU TBT funds, augmented with some OIML funds, to introduce the E-learning platform, which could be accessed from the home page of the OIML website. The other point he wanted to mention in the area of research was a recent proposal that had come to them on initiating a study on how the OIML dealt with medical measuring instruments. Mr. Mason said that one of the things that had been drawn to his attention was that in Europe, the regulatory systems for medical devices and for measuring instruments tend to be separate, but in many countries in the CEEMS community, they were more closely related, and this pointed to the need for the OIML to work with other international organizations which were active in this area to ensure that they were making the best of all their resources.

In terms of the continued promotion of the case for better metrology at the highest levels, he said that himself, the Director, and the Vice-President had had a number of significant opportunities to raise this question at a senior level – ministerial, permanent secretary, director general etc., in countries such as China, Myanmar, Egypt, Malaysia, Kenya, South Africa, Kazakhstan, Cuba and El Salvador, and this was something he hoped would continue.

Moving on to the direction of technical work, Mr. Mason said that in addition to the OIML R 76 decision which had been taken the previous week, and which was now underway, they had also made a proposal, which the Committee would be considering later, on the revision of D 1, and they had started thinking about possible documents on type approval and on market surveillance, as some of the publications in this series were very old indeed, and he thought they could be refreshed. Mr. Mason said the Committee had heard details of the OIML-CS on many occasions, and he thought the relevance of this new system to members of the CEEMS community was very obvious from the presentations which had been made. The AG had also asked that the Project Group revising B 6 should take into account CEEMS issues, and he certainly felt that the revision, in the way that it integrated the electronic tools now available, allowed wider participation in the technical work. It had been a major objective of their work, and he thought they had achieved this aim. Mr. Mason remarked he had an update to provide on the TC 6/p 5 Guide on prepackages, which had passed a CIML preliminary online ballot less than a week ago, and which had been submitted very recently to him for approval. He reminded delegates that an OIML Guide, as opposed to an OIML Document or Recommendation, only required the President's approval, rather than a vote of the CIML, so he was very pleased to say he had approved the publication, which would now become G 20 *Guidance for defining the requirements for a certification system for prepackages*, and he observed this was an achievement they could be very pleased about. Mr. Mason said many members of the Committee would remember how controversial this initiative had been at the CIML meeting in Ho Chi Minh City four years ago, and to have got to a situation where they had a useful publication available, and which had widespread support from many of their colleagues, was a great achievement.

Mr. Mason then turned to another project which had been called “conformity to type”, but which he remarked was increasingly being thought of as being “premarket surveillance”. He, together with the New Zealand convener, as well as the new BIML co-convener Mr. Dixon, had reviewed what was turning out to be a very difficult document, and they felt that it would probably benefit from a further Committee Draft, which was currently being worked on.

Mr. Mason commented that the OIML’s cooperation with other organizations had been mentioned on several occasions, and he thought this was well recognized now, and in terms of responding to items the DCMAS Network had asked the Organization to do, he said he would certainly see the revision of OIML D 1 as an example of that, since in part it was a request from the BIML, and in part a request from other DCMAS organizations, so he proposed to offer liaison status to DCMAS Network members for that project. In terms of the pilot training centers, there was not much more to say about that, as they had received a very comprehensive presentation from Mr. Guo. However, he observed that they had started to see other Member States showing interest in the Chinese pilot centers, and were starting to think about their own ideas of doing something similar, or sometimes even something not too similar. One of the ideas was that using the pilot system, they should see a range of possibilities, and here he highlighted an event which was being planned in Kenya in November. Several other possibilities were being explored, and certainly he was interpreting the earlier intervention from India as being an invitation to explore with them, whether an OPTC in their area would be appropriate, so he suggested that delegates should “watch this space”.

Mr. Mason said there were two other matters on which he wished to report. Member States had been asked to use the possibility of secondments to the BIML to develop the skills and experience of appropriate individuals. He said that they were in the advanced stages of discussions with one Member State about such a secondment, the details of which had not been finalized, so he could not yet make an announcement about it. Finally they had asked Member States to be ready to propose conveners, and were now finding that a lack of conveners was not a problem when starting new activities.

Mr. Mason said that he considered that CEEMS was one of the great success stories of the last few years. The OIML had been able to put together something which was of relevance right across the Organization, and he would therefore conclude this report on behalf of himself and the AG chairperson.

Dr. Schwartz thanked Mr. Mason for his comprehensive report on the AG meeting, and on the follow up to resolution 2015/10. He said it was really encouraging to see the many efforts and the progress that had been made, which was relevant to the whole Organization, including the new OIML G 20. He asked if there were any questions, either about the report on the AG meeting, or on the presentation regarding the follow up to resolution 2015/10.

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53rd CIML Meeting - Working Document

Additional Meeting Document

53-CIML-AMD-12

2018-09-21

Item 10.1: Report by the CEEMS Advisory Group Chairperson



Additional Meeting Document

53-CIML-AMD-12

2018-09-21

BIML note:

The meeting of the CEEMS Advisory Group, which will approve various papers and proposals for the CIML, will take place immediately before the CIML meeting in Hamburg.

CIML Members will therefore not have the final versions of the AG's reports and proposals until the CIML meeting itself has begun. In order to give CIML Members an opportunity to prepare for discussion of the CEEMS items on the Agenda, the BIML is circulating a draft of the report which the AG is expected to make.

This report also includes the first draft of a Resolution which the AG is expected to propose to the CIML. Final copies of these documents will be made available prior to the CIML discussion.



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 is designed to be a "living document", revised during the year to take account of progress. The latest version is attached in Annex B.

That Work Plan 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 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 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. Our colleagues at the PTB in Germany have prepared some draft ideas which will be/were discussed at the Advisory Group's meeting on 9 October.

[BIML note: This sentence will be amended, and conclusions inserted following the AG meeting]



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 23 completed surveys. Among them, we are happy to see that some developed countries also replied and provided valuable information. The analysis of all surveys will be completed before 21 September.

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. 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.

[BIML note: Some additional text may be added here following the QI toolkit workshop on 8 October, as the workshop may well provide some additional insights into how legal metrology should be presented in the wider QI context.]

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 Centres have been held in Kenya and Cuba, as well as a further one in China.



6.1 OIML Training Centres: 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:

- *Nonautomatic 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 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 Centres: Future strategy

P.R. China, which established the first OIML Pilot Training Center (OPTC), formed a group in April 2018 to develop the framework for OIML Training Centers. The contents of this document include

- Introduction,
- Objectives,
- Terminology and abbreviations,
- Scope,
- Establishment of an OTC,
- Managing documents,
- Structure,
- Responsibilities of related organizations,
- Operation of OTC,
- Finances, and
- References.



The draft framework was discussed at the Advisory Group's meeting on 9 October, which agreed that.....

[BIML note: This sentence will be amended, and conclusions inserted following the AG meeting]

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, **subject to confirmation at the meeting on 9 October**, 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**.

[BIML note: This paragraph will be amended as required following the AG meeting]

Pu Changcheng
Chairperson

Peter Mason
Vice-Chairperson



53rd CIML Meeting - Working Document

Additional Meeting Document

53-CIML-AMD-12

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Annex A

CEEMS Advisory Group Work Plan (2017 – v1)



53rd CIML Meeting - Working Document

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CEEMS Advisory Group Work Plan 2017 (v1)	
Items Mentioned in draft “B” Publication	
Develop web pages focused on CEEMS issues on the OIML website which promote communication and information exchange	<p>New web-pages already developed by BIML on the OIML Web-site.</p> <p>Next development is to create OPTC sections/pages within the OIML web-site which will contain:</p> <ul style="list-style-type: none"> • Event Plans • Training Materials • Opportunities for interactions: <ul style="list-style-type: none"> ○ Surveys ○ Q & A <p>These pages will be developed by colleagues in China</p>
Further surveys of the needs of developing countries	<p>Plan for 2018, or more likely 2019 - The surveys in 2014 and 2015 were quite extensive but we should plan to refresh this information</p>
Database of experts available for consulting work	<p>Template developed by AG Secretariat (Guo Su) and BIML (Chris). Should aim to populate with contributions from CIML members and finalise during 2018</p>
Collect and share information that will help CEEMS to establish laws and regulations on their national metrology infrastructures	<p>AG will lead, in collaboration with BIPM, a Project to revise D1 (subject to CIML approval). Aim should be for a FDD to be considered by CIML no later than 2019.</p> <p>AG will also collaborate with APLMF and APMP on the Joint Guide 1 based on D1 which these two RLMOs have developed.</p>
Strategy for “OIML Training Centers” and similar training initiatives	<p>Initial thoughts will be outlined and discussed at October 2017 meeting. Aim should be to finalise for 2018 CIML Meeting.</p>



Additional Meeting Document

53-CIML-AMD-12

2018-09-21

Evaluations of the “OIML Training Centers” and other OIML initiatives	AG Secretariat (Guo Su) will prepare evaluations of OPTCs held so far after OPTC training on pre-packaged goods (currently planned for November but may be delayed).
Develop guidance and procedures based on the OIML Recommendations and Documents	Concentrate at the moment on the D1 Revision and the proposal for developing “Part 4” sections (tests and procedures for verification) in OIML Recommendations. The TCs/SCs already have much of this in hand, so AG role is to monitor and make suggestions
Organize further workshops	October 2017 meeting in Cartagena to consider suggestions
Strengthen communication with the RMLOs (and RMOs)	Concentrate at the moment on making RMLO membership of the AG effective
Seek opportunities to collaborate with the RMLOs and RMOs on projects of common interest	D1 revision and the collaboration with APLMF and APMP on the Joint Guide 1 based on D1 already identified Next step is to identify further opportunities to collaborate
STANDING ITEMS	
Prepare annual reports to CIML on the AG’s activities	AG Chair and secretary in China will prepare for CIML meeting October, 2017
Prepare report for CIML on progress on the work package contained in Resolution 2015/10	BIML, CIML President, AG Chair and secretary in China will prepare for CIML meeting October, 2017



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Annex B

CEEMS Advisory Group Work Plan (Revised version 2018 – v5)



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CEEMS Advisory Group Work Plan 2018 (v5)		Responsibility
Develop web pages focused on CEEMS issues on the OIML website which promote communication and information exchange	<p>The CEEMS pages on the OIML website 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"> • Surveys • Q & A <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 the OIML's CEEMS activities more prominence, both on the website 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)
Further surveys of the needs of developing countries	<p>In view of the need to refresh the information coming from the 2014 and 2015 surveys a further survey was launched on 2018-06-26 with a deadline for responses of 2018-09-14. 17 responses have so far been received (as at 2018-09-03).</p>	Secretariat (Guo Su)
Database of experts available for consulting work	<p>A call for nominations was issued in October 2017, with a template provided for CIML Members to populate.</p> <p>15 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.</p>	Vice Chair, BIML (Chris Pulham)



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<p>Project to revise D 1</p>	<p>This project was approved by the CIML in Strasbourg. A first Working draft was circulated in July.</p> <p>The aim was originally for a FDD to be considered by the CIML no later than 2019 but with general agreement that the revision should be more far-reaching than originally envisaged, this is overly optimistic – 2020 at the earliest.</p> <p>A Project Group has been formed from AG Members with the Vice-Chair acting as convenor, but some consideration is needed on how to involve Member States, in particular those not represented on the AG.</p>	<p>Vice Chair</p>
<p>Strategy for “OIML Training Centers” and similar training initiatives</p>	<p>The AG agreed in Strasbourg that a strategy should be developed for adoption in Hamburg.</p> <p>Initial thoughts are that decisions are needed for:</p> <ul style="list-style-type: none"> • Criteria for deciding on future OTCs • Framework for documents to support future OTCs, including <ul style="list-style-type: none"> ○ Training materials to be used by OTCs ○ Quality systems for running OTCs <p>The aim is to have the criteria and framework agreed in October, with other documents produced later.</p>	<p>Secretariat (Guo Su)</p>
<p>Evaluations of the “OIML Training Centers” and other OIML initiatives</p>	<p>The Work Plan approved in October 2017 indicated that the AG Secretariat will prepare evaluations of OPTCs held so far after the planned OPTC training on prepackaged goods.</p> <p>The aim is for an evaluation to be completed in time for the AG meeting in October.</p>	<p>BIML (Ian Dunmill)</p>
<p>Organize further workshops</p>	<p>Workshop on World Bank Toolkit planned for CIML in Hamburg.</p> <p>The AG Meeting in October will be asked to identify ideas on further CEEMS Workshops.</p>	<p>All</p>



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Further Planned OPTCs	OPTCs held in Kenya, Cuba and China in the last 12 months and some other suggestions under consideration. AG involvement will vary on a case-by-case basis, at least until an OTC strategy is finalized.	
Prepare annual reports to CIML on the AG's activities	The AG Chair, Vice Chair and Secretariat will prepare for the CIML meeting October, 2018. A Draft will be sent to the AG in September for approval at its Hamburg meeting.	Vice-Chair
Prepare report for CIML on progress on the work package contained in Resolution 2015/10	This will now be a Standing Item. Current thinking is that it should be an annex to the AG's Annual Report. The CIML PC has suggested that a new CIML Resolution to replace 2015/10 should be prepared for the 2018 CIML. A draft will be discussed at the Hamburg AG meeting.	Vice-Chair
Develop guidance and procedures based on the OIML Recommendations and Documents	The D 1 Revision and the R 76 proposal for developing a section on tests and procedures for verification are already in hand. New projects to revise D 14 and D 19 under AG supervision have been submitted for CIML approval in Hamburg.	Vice-Chair
Seek opportunities to collaborate with the RMLOs and RMOs on projects of common interest	The D 1 revision and the collaboration with the APLMF and the APMP on the Joint Guide 1 based on D 1 are already identified. The OTC on prepackages (China) involved APLMF co-operation. The AG and the RLMO RT will be asked to identify further opportunities to collaborate.	AC Chair, AG Vice-Chair, RLMO RT Chair



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Annex C

Progress made on CIML resolution 2015/10



Assessment of CIML Resolution 2015/10

Responsibilities	Resolutions	Progress 2017-2018	Progress 2015-2017
	<p><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),</p>		
<p>BIML/ CIML</p>	<p><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,</p>	<p>QI Toolkit Workshop organised for Hamburg CIML</p>	<ul style="list-style-type: none"> • PEM organised workshops on Type Approval and Market Surveillance for officials in ASEAN • ACPEU TBT provided support for new e-learning platform • Training seminars on new Certification System held in China and Colombia • BIML participation with BIPM in capacity building
	<p><u>Expresses</u> its support for the work of the DCMAS Network,</p>	<p>The BIPM is a member of the project Group for D 1. The IEC has nominated an observer</p>	<p>• Proposal for D 1 revision is in part a response to approach from the BIPM. Other DCMAS members will be able to apply for liaison status</p>



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Responsibilities	Resolutions	Progress 2017-2018	Progress 2015-2017
	<p><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,</p>	<p>The OIML has continued to hold the secretariat for a second year to provide more continuity</p>	<ul style="list-style-type: none"> • OIML as secretariat transformed the DCMAS website. • BIML participated with BIPM in capacity building • Extensive work with DCMAS and UNIDO on QI policy. • Renewed relationship with ISO/DEVCO and COPOLCO. • Worked actively on new definition of Quality Infrastructure which has now been agreed • 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. • Worked on change of name to reflect wider QI remit rather than just "MAS".
	<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"> • New web pages designed - readily extendable. Includes an e-learning site • CEEMS AG has its own workspace set up • Experts database: Template designed; CIML Members have made 15 nominations; now finalizing the disclaimer for the experts 	



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Responsibilities	Resolutions	Progress 2017-2018	Progress 2015-2017
<p>MS/Organization</p>	<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"> • Training course on prepackaged goods held in Nanning in 2018 • New framework for OTCs being developed by colleagues in China 	<ul style="list-style-type: none"> • Two very successful events held in Beijing and Guangdong in 2016
	<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"> • Training course was held in Kenya for Africa region • Training course was held in Cuba for Caribbean region • Interest being expressed from N. Africa, COOMET region, Caribbean and S. America 	
	<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>	



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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"> • Revision of D 1 under way - WD circulated for comment • Proposal to revise D 19, based on the ASEAN document, submitted to CIML • Proposal to revise D 14 submitted to CIML 	<ul style="list-style-type: none"> • R 76 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. • ASEAN Guide on type approval close to completion - could prove model for revising D 19 • Similar initiative in ASEAN on market surveillance could also result in a new guidance document. • Proposal for revision of D 1 as a joint exercise with BIPM, supervised by CEEMS AG submitted to CIML • Proposal for revision of D 14 and D 19
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"> • Training seminars on the new system were specifically aimed at CEEMS • Proposal to revise D 19 will give further opportunity to emphasise the potential of the OIML-CS 	<ul style="list-style-type: none"> • Proposals adopted in 2017 explicitly gave a role to CMs. • Plans to limit the size of the Management Committee have been abandoned • Training seminars aimed at CEEMS to a large extent
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"> • 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 	



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Responsibilities	Resolutions	Progress 2017-2018	Progress 2015-2017
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"> • B 6 revision completed in 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>TC 3/SC 6/p 1 has progressed to a 4 CD</p>	<p>(TC 6/p 5 completed - G 21 published in 2017)</p>
MS/ Organization	<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"> • Germany has volunteered for the D 14 project. • PEM has volunteered to for the D 19 revision. 	<ul style="list-style-type: none"> • Germany/France volunteered for the R 76 project. • PEM has volunteered to work with BIPM on a D 1 revision.
BIML/ CIML	<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>	<ul style="list-style-type: none"> • GS articles on OPTC training reports 	<ul style="list-style-type: none"> • PEM article on legal metrology in a National Quality infrastructure • MK article on application of D 1 • 2016 article on milk deliveries • Articles on OTCs



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Responsibilities	Resolutions	Progress 2017-2018	Progress 2015-2017
	<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"> • New round of survey on needs of CEEMS has been launched • Special fund has supported OTC and seminars/trainers in other places • French and Spanish translations of the e-Learning Platform are underway and will be implemented as soon as possible • The scope of the OIML’s technical work on measuring instruments is being examined 	<ul style="list-style-type: none"> • ACP EU TBP programme allowed development of the successful e platform • 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. • Looking at a proposal to study links between legal metrology and regulation of medical measuring instruments • Continue to look for effective way of following up French student report - possible interest from a contact in Brazil.
	<p><u>Requests</u> 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"> • OPTC events in Kenya (Ian Dunmill), China and Cuba (Stephen Patoray) • The Monday OIML Seminar and Workshop on the QI toolkit by Roman Schwartz • Secondment at the BIML focused on CEEMS • Continue as Chair of DCMAS Network • E-learning website enhancements 	<ul style="list-style-type: none"> • Senior level engagement in China, Cuba, Egypt, El Salvador, Kazakstan, Kenya, Malaysia, Myanmar, South Africa, Thailand, • Metrology featured prominently in major international Conference on regulation in London in 2016 • Best young metrologist in COOMET award attracted a lot of interest • Involvement with UNIDO on quality policy development provided good opportunities for high-level engagement, e.g. side event to UNIDO LDC inter-ministerial meeting



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Annex D

Draft CIML resolution 2018/ ...



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,



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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.



Agenda Item 13.4:

Countries and Economies with Emerging Metrology Systems (CEEMS)

Contents:

Annex A – Report by the CEEMS AG Chairperson 2017

Annex B – Report by the CEEMS AG Chairperson 2018

Annex C – Report by the CEEMS AG Chairperson 2019

Annex D – Report by the CEEMS AG Chairperson 2020

Annex E – Report by the CEEMS AG Chairperson 2021



October 2019

Annual Report by the CEEMS Advisory Group to the 54th CIML Meeting

Introduction

The work of the CEEMS Advisory Group (CEEMS AG) has continued to be organised through the Work Plan drawn up in accordance with Clause 6 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)* as amended following the AG's meeting in 2018. As a "living document", the Work Plan is subject to revision during the year to take account of progress and the latest version is attached at Annex 1.

Work in the past year has been 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 OIML International Documents D 1, D 14 and D 19.

CEEMS pages on the OIML website

The CEEMS pages on the OIML website are now well established and contain a large amount of information. They are located under the STRUCTURE section of the website.

The *Introduction* gives a full description of the objectives and missions of the CEEMS AG.

Under *OIML Training Centers* the full event websites can be found for five key OTC events (Beijing, Guangzhou, Nanning, Havana and Hangzhou). The websites for the 2015 Chengdu and 2018 Hamburg Seminars are accessible under the Seminars section.

New for 2019, there is the *List of Experts*, which went live in February 2019. There are now 22 Experts in total.

OIML CEEMS Award winners are listed in the next section. From 2009 to 2017, this was previously called the "OIML Award for Excellent Achievements in Legal Metrology in Developing Countries".

Under *Training materials* there is an archive of all the training presentations and other material given in five of the OIML Pilot Training Centers (OPTC) held between 2016 and 2018.

Also new in 2019 are the results of the 2018 Survey on the needs of CEEMS (login required). As at December 2018, a total of 31 economies had replied including 19 OIML Member States, 10 Corresponding Members and two non-members.



Lastly, a comprehensive introductory text to the e-Learning Platform was added in 2019. Full details of the Platform are given, including its objectives, detailed content, audience and a description of the method used.

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. Such branding will also be useful in distinguishing training centres and events supported by the OIML under the terms of the new proposed OTC/OTE strategy. At the Advisory Group meeting in 2018, however, concerns were expressed that the designs submitted to that meeting were too similar to the OIML-CS logo and risked creating confusion. To meet these concerns, colleagues at the PTB in Germany prepared some further designs which were discussed at the Advisory Group's 2019 meeting and agreement has now been reached on an acceptable design, subject to confirmation that it can be reproduced effectively.

OIML Training Centres and OIML Training Events: Future strategy

The Advisory Group agreed in Strasbourg that a long-term strategy for OIML Training Centres should be developed. A first draft prepared by China was circulated to AG members in 2018. During its 2018 meeting, the Advisory Group agreed that this provided a good basis, but felt that it would be useful to develop the draft so that it covered a wider range of models. An ad hoc project group was set up to do this under the convenorship of Dr. Peter Ulbig. The group was also asked to consider whether it should be recommended as a Basic Publication. A revised draft – proposed as a Basic Publication – has been agreed by the project group and following a Preliminary Ballot and has been put to the CIML for approval at its 54th meeting.

OIML Training Centers (OTC)

An OIML Training Center, on the OIML-CS, was held from 15 to 17 July in Hangzhou, P.R. China. There were over 100 participants including 47 from overseas. In total, representatives from 27 economies attended.

In addition, a seminar on D 31 in Brazil is scheduled for later this year. Participants have been invited from across the SIM region, and participants from other regions are welcome to join.

Further OTCs/OTEs will now be organised within the framework of the new OTC and OTE strategy and several possibilities are under consideration.

E-learning modules

The OIML website already contains e-Learning modules developed with the support of the ACP EU TBT Programme. Opportunities for improvement have been identified, but will require additional funding. In addition, the APLMF has offered resources to contribute their work on e-Learning modules as an online tool to the OIML. They have already finished a first module on NAWIs. They have asked if it is possible to develop a process under which TC/SC secretariats review relevant modules and this will be part of the actions following from the Bratislava Workshop (see below).

The e-Learning Workshop which took place on 21 October in Bratislava provided an excellent opportunity to bring together the various elements which have been examined during the year. The Workshop demonstrated that this topic is of great importance to a wide variety of audiences, particularly those in the worldwide legal metrology community. At its meeting the AG noted that this interest is by no means restricted to the CEEMS area. However, it is clear that e-Learning has a central role to play in making CEEMS training and capacity-building initiatives more effective and the AG agreed that this



should be a key part of its Work Programme in the future. It is proposed to form one or more ad hoc groups to work with the BIML in:

- prioritising future modules;
- designing arrangements to ensuring expert input from TCs in developing and maintaining high quality content;
- working in collaboration with other appropriate organisations;
- ensuring the platform and technology which OIML uses is fit for purpose; and
- examining appropriate funding mechanisms and sources.

Pre-market surveillance pilot at a regional level to study conformity to type problems

Australia raised this suggestion at the last AG meeting and has now developed a proposal for a two-stage project operating within the APLMF. The first stage is to conduct performance tests on a selected number and range of newly manufactured instruments (prior to retail sale) to assess the risk of non-conformance to type approval. This pilot study will quantify the needs and benefits of the second stage – a wider ongoing market surveillance program that may be part of economies introducing a Conformity to Type program.

Other countries in the region will be encouraged to participate to provide greater efficiencies to the program.

The AG has welcomed this initiative as an excellent example of innovative thinking within an RLMO framework.

Scholarship programme for future leaders in CEEMS

The various talents of legal metrology officials working in OIML Member States is one of the most important resources for achieving continuous development in worldwide legal metrology. The development of such talents in leaders of tomorrow, especially those from CEEMS, will provide the world of legal metrology with more innovation, vitality, and the momentum for sustainable development, which will allow OIML and its Member States to continue developing its long-term vision.

The AG Secretariat (Guo Su) presented a concept paper describing a possible scheme which to the AG meeting on 21 October. The AG has agreed that work should continue on this topic and that in particular Member States should be encouraged to act as hosts in pilot programmes which can offer proof of concept and form the basis of longer term arrangements.

Advisory Group's role in developing OIML Recommendations and Documents

Basic Publication B 19:2017 provides 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”. Following decisions taken in 2017 and 2018, there are now three Project Groups undertaking revisions of OIML International Documents under Advisory Group supervision:



Revision of OIML Document D 1:2012

Following approval by the CIML in 2017, a Project Group (PG) was formed from AG Members with the Vice-Chair acting as convener. A first Working Draft was circulated in July 2018.

The view was subsequently taken that the revision should be more far-reaching than originally envisaged, which has involved a complete rewrite. A draft suitable for a first Committee Draft (1CD) was circulated to the PG in September 2019. It is hoped that the 1CD stage will commence in November and that a final draft will be available for CIML to approve at its 2020 meeting.

Revision of OIML Document D 14:2004

Changes in the proposed convenor have held up progress, but the new person, Dr. Cord Mueller (Germany), has now received convener training and it is hoped that work can start soon.

Revision of OIML Document D 19:1988

Delays have been experienced in the forming of an appropriate PG, but sufficient P-Members have now volunteered and a first Working Draft was made available on the Workspace in October.

CIML Resolution 2018/15

At last year's CIML meeting the resolution on CEEMS matters adopted by the CIML at its meeting in Arcachon was replaced by Resolution 2018/15, which takes account of the progress made since 2015 and highlights the areas in which the OIML should be focusing its attention in the future. 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 Resolution 2015/10 and we have decided to continue this procedure for Resolution 2018/15. The analysis for the first year of the new resolution is attached at Annex 2. This is only the first year of what may be a four or five year programme of actions, and taking this into account a good start has been made in most areas.

Future Leadership of the Advisory Group

Following his retirement from active duties within the Chinese Administration, Mr Pu Changcheng has indicated that he will not be seeking a further term as Chair of the AG. The AG is therefore recommending to the CIML that the current Vice-Chair be appointed as his successor and, according to the provisions of B 19 nominates Dr Peter Ulbig for approval as the new Vice-Chair.

Recent discussions have suggested that it might be helpful if B 19 contained a formal procedure for identifying candidates in the leadership positions and if CIML agrees, the AG would propose to commence a revision of B 19 so that this procedure is included. The AG also feels that given the growing amount of activity it is now supervising it might be desirable for there to be provision for two Vice-Chairs and believes that a revision of B 19 on this point would also be desirable.

Pu Changcheng
Chairperson

Peter Mason
Vice-Chairperson

CEEMS Advisory Group Work Plan 2019 (v3)		
		Responsibility
Develop web pages focused on CEEMS issues on the OIML website which promote communication and information exchange	<p>The CEEMS pages on the OIML website 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 is being kept under review.</p> <p>The whole CEEMS section will continue to be developed incrementally.</p>	BIML (Chris Pulham)
e-Learning modules	<p>ACP EU TBT Programme platform is already on the OIML website. Further work is planned to correct some errors which have been identified and – if funding can be found – to integrate the French and Spanish translations which have been completed.</p> <p>Following the e-Learning workshop in Bratislava AG, will now work with BIML on a major programme of activities, including prioritising future modules, designing arrangements to ensuring expert input from TCs in developing and maintaining high quality content, working in collaboration with other appropriate organisations, ensuring the platform and technology which OIML uses is fit for purpose and examining appropriate funding mechanisms and sources.</p>	Ian, Su, Chris
Further surveys of the needs of developing countries	<p>Results of 2018 survey submitted to October 2018 AG meeting and placed on public CEEMS pages.</p> <p>Next survey expected to be launched in 2021.</p>	Secretariat (Guo Su)
Database of experts available for consulting work	<p>Revised disclaimer agreed by OIML lawyer. Database published on the OIML website.</p>	Vice Chair, BIML (Chris Pulham)
Consider possible logo/branding for the OIML's CEEMS work	<p>Initial designs circulated in September 2018. Ad Hoc group on OTC Framework asked to progress this work.</p> <p>2019 AG meeting has now approved a design, subject to confirmation of its reproducibility.</p>	Ad hoc project group, - convener P Ulbig.
Project to revise D 1	<p>Project was approved by CIML in Strasbourg and a Project Group was formed from AG Members with Vice-Chair acting as convener. A first Working Draft was circulated in July 2018.</p> <p>View was subsequently taken that the revision should be more far-reaching than originally envisaged, which has involved a complete rewrite. Draft suitable for 1CD circulated to the Project Group in September 2019. Aiming for FDD approval at 202 CIML</p>	Vice Chair

Project to revise D14	Changes in the proposed convener have held up progress, but the new convener has been identified and trained, and it is hoped work can start later in 2019.	
Project to revise D19	Project group now formed and Working Draft e circulated in October 2019	
Strategy for “OIML Training Centers” and similar training initiatives	AG agreed in Strasbourg that a strategy should be developed for adoption in Hamburg. Secretariat produced a paper for discussion at October 2018 meeting. AG agreed this provided a good basis but felt that it would be useful to develop the draft so that it covered a wider range of models. Ad-hoc project group set up to do this and to consider whether it should be a Basic Publication. Revised draft – proposed as a Basic Publication – has been agreed by the project group and passed POB and has been put to the CIML for approval at its 54th meeting.	Ad hoc project group, convener Peter Ulbig
Possible scholarships programme for future leaders in CEEMS	A concept note by the Secretariat discussed at the AG meeting in October 2019. AG agreed work should continue on this topic and Member States should be encouraged to act as hosts in pilot programmes which can offer proof of concept and form the basis of longer term arrangements	GUO Su
Evaluations of the “OIML Training Centers” and other OIML initiatives	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. Evaluation results presented to AG meeting in October 2018.	Ian Dunmill
Organise further workshops	Workshop on World Bank/PTB Toolkit held in Hamburg. e-Learning workshop organised during the 54th CIML meeting.	All
Further Planned OPTCs	OTC on OIML-CS held in China (Hangzhou) in July. Seminar on D 31 in Brazil scheduled for October 2019. Further OTCs/OTEs will be organised within the framework of the new OTC strategy.	
Proposal to carry out a market surveillance pilot at a regional level to study Conformity to Type problems	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 program. Other countries in the region will be encouraged to participate to provide greater efficiencies to the program. 2019 AG meeting was supportive but noted that this was a matter to APLMF to decide.	Bill Loizides

Prepare annual reports to CIML on the AG's activities	AG Chair, Vice Chair and Secretariat have prepared report for CIML meeting October, 2019.	Vice-Chair
Prepare report for CIML on progress on the work package contained in Resolution 2018/15	This will now be a Standing Item. Report annexed to the AG's Annual Report.	Vice Chair
Develop guidance and procedures based on the OIML Recommendations and Documents	D 1, D 14, D 19 revisions already proceeding under AG supervision. Proposal for an R 87 template submitted to 54th CIML as a direct result of recent CEEMS workshops. e-Learning initiative also relevant. Workshop in Bratislava confirmed that this should be a major area of focus for AG in the future.	All
Seek opportunities to collaborate with the RMLOs and RMOs on projects of common interest	D 1 revision and the collaboration with APLMF and APMP on the Joint Guide 1 based on D 1 already identified. OTC on OIML-CS (China) involved APLMF co-operation. Ideas on promoting use of the World Bank/PTB Quality Infrastructure Toolkit continue to be investigated. AG and RLMO RT in October 2019 will be asked to identify further opportunities to collaborate.	AC Chair, AG Vice-Chair, RLMO RT Chair

Assessment of CIML Resolution 2018/15							
Responsibilities	Resolutions	Progress 2018-2019	Need grade? Y/N	Grade A-E A: very good B: good C: normal D: poor E: very poor	Finishd? A: finished B: ongoing C: not started	Remarks	
BIML	1	BIML to promote and participate in capacity building activities through the programme of OIML Training Centers	2 events held/planned for 2019; new strategy prepared for adoption by CIML	Y	A	B	
	2	BIML to promote and participate in capacity building activities through training courses and regional activities organized by other organizations	1. Ongoing discussions with New Zealand and the APLMF concerning additional e-Learning modules to be considered. 2. Corrections identified for existing EN and FR e-Learning following Spanish translation. 3. Landing page developed and homepage modified for e-Learning module to make it more prominent 4. Workshop on the future of OIML e-Learning 5. Training on Type Approval in ASEAN planned for 2020 6. Director participated in the QI workshop for Pacific Islands in Fiji	Y	B	B	
	3	Bureau to continue to work with the constituent bodies of INetQI, in particular the BIPM, to identify new initiatives where the OIML can make a direct contribution.	1. Maintaining operational activities with the BIPM by working on main projects such as World Metrology Day, AFRIMETS, INetQI, CCU. 2. The OIML continues to be responsible for maintaining the INetQI website. Clone site made, structure and logo changes made, content being updated by the end of 2019-09/10. 3. BIML attended INETQI annual meeting in Geneva. 4. BIPM involved in D 1 Revision; other INetQI members will be consulted 5. BIPM/CIPM: Joint task group with the BIPM with the aim to explore opportunities for closer cooperation towards the development of a common vision and a common concept to promote metrology (scientific, industrial and legal metrology) as an important element of the quality infrastructure of a country. Examples: joint preparation for World Metrology Day (WMD) each year; close work with other IGOs in order to further enhance awareness of metrology on an international level; OIML's representation on the Consultative Committee for Units (CCU); participation in JCGM WG1 which is developing the "GUM New Perspective", and WG2, which is working on the fourth edition of the VIM. 6. ISO: proposal to review and update the MoU 7. ILAC/IAF: revised MoU was signed at the CIML meeting in 2018; based on that, the BIML has developed a joint work programme with the ILAC/IAF liaison officer; ISO and ILAC will be asked if they wish to participate as observers in new OIML projects 8. IEC: revised MoU was signed at the CIML meeting in 2018 9. IECEx: establishment of a Joint Working Group with the IECEx to explore synergies and opportunities for cooperation (see CIML Resolution no. 2018/13); first JWG meeting held in conjunction with the IECEx Management Committee meeting in Dubai on 25 September 2019 10. MoU with UNIDO-BIPM-OIML should be revisited in light of the CEEMS activities	Y	A	B	
	4	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	Substantial redesign, re-ordering and expansion has taken place, including the "Experts Database"	Y	B	B	
	5	Bureau to ensure that further development of systems supporting OIML technical work takes account of the need to involve CEEMS in such work	Not much to report at this stage as B 6 and its systems are still settling down, but minor changes for approval at 2019 CIML will be helpful in promoting the interests of CEEMS	Y	C	B	
	6	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,	1. Bulletin continues to be published quarterly, but three out of the four editions are now published online. In order to continue to produce four Bulletins per year, articles are required. This will be discussed at the 54th CIML Meeting under Agenda Item 10.3 2. OIML website has benefitted from continuous improvements: • CEEMS and OIML-CS introductions translated into French • Website clone(s) created for analysis, testing and training purposes. Process being streamlined • Ongoing behind-the-scenes work to improve the website and the admin functions, remove bugs, prevent freezes, facilitate update • Dashboard concept to be developed to provide more info to Members • Liaisons section being reviewed • Reporting module to be developed	Y	B	B	
	7	Director to take into account when considering projects which can be supported by the special fund created by the 14th Conference, the particular contribution that research can play in promoting and evaluating new approaches to legal metrology	Proposals for CEEMS projects (and the particular contribution that research can play in promoting and evaluating new approaches to legal metrology) are considered on a case-by-case basis as and when proposals are received.	Y	C	B	
OIML/CIML Office Holders	8	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	Diary pressures on the CIML President, VPs, etc. have been heavy this year and financial pressures have limited the support the OIML has been able to give for travel to events where high level contacts are likely. The BIML Director has, however, used trips to Egypt and Fiji to raise the profile of the OIML.	Y		B	Activities under OIML-CS contributed by No.10.
TCs/SCs/PGs	9	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,	1. Pre-market Surveillance Document now ready for approval. 2. D 1, D 14, and D 19 revisions are under way supervised by the AG. 3. A proposal for an electronic template for compliance testing under R 87 has been put forward for approval at the 54th CIML Meeting 4. WHO: concerning medical devices with a measuring function, Mr. Ian Dunmill attended a global forum in December 2018, where the WHO expressed its interest in working with the OIML; Mr. Ian Dunmill has been tasked to arrange a meeting	Y	B	B	
MC	10	OIML-CS Management Committee to ensure that the needs of CEEMS continue to be addressed in the further development of the OIML Certification System,	1. Promotional activities have taken place to support and address the needs of CEEMS, namely the events in Oman and Colombia and the APLMF seminar in Hangzhou. 2. The OIML-CS also supports CEEMS by allowing economies to participate as Associates - Kiribati and Rwanda have both recently applied to participate in the OIML-CS. 3. Mr. Anthony Donnellan and Mr. Ian Dunmill ran training on the OIML-CS during AFRIMETS in Egypt.	Y	B	B	
MS/ Organization	11	Member States to consider what support they can give to future OIML Training Centers or other initiatives aimed at assisting CEEMS	1. Australia/APLMF has submitted a proposal for a CTT initiative to the CEEMS AG. 2. Brazil has an event later this year. 3. APLMF/PTB MEDEA project has funded participants to go to OTC seminar on OIML-CS. 4. USA NIST paid for over 20 representatives of CEEMS countries/economies to attend two one-week training sessions (one session for SIM countries, the other for African/Asian countries), given by the NIST Office of Weights and Measures, on Fundamentals of Metrology.	Y	B	B	
	12	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	Conveners found for the AG-supervised projects, forming project groups has been more difficult	Y	B	B	
	13	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.	1. BIML now has a secondment from China. 2. Secondment is also an important feature of the "Leaders of Tomorrow" proposal.	Y	B	B	



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Countries and Economies with Emerging Metrology Systems (CEEMS)

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55th CIML Meeting - Working Document

Addendum

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Item 10: Report by the CEEMS Advisory Group Chairperson



October 2020

Annual Report by the CEEMS Advisory Group to the 55th CIML Meeting

Introduction

Like much of the rest of OIML's activities, the work of the CEEMS Advisory Group (CEEMS AG) has been severely impacted by the travel restrictions, lengthy periods of home-working and the reprioritisation which all governments have had to implement in response to the COVID-19 pandemic. Limited progress has been possible in more than a few of the items, set out in the Work Plan drawn up in accordance with Clause 6 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)*, the latest version of which is attached at Annex 1.

One area where substantial progress was possible, mainly in the period before widespread travel restrictions and national "Lockdowns" were imposed, was the revision of OIML International Document D 1.

Other areas of activity which remain priorities for the Advisory Group and which will be progressed further when circumstances permit include:

- Further development of the CEEMS web pages on the OIML website;
- 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, probably delivered online while COVID-19 travel restrictions continue;
- Proposals for a scholarship programme for future leaders in CEEMS;
- Input into Australia's proposal for a pre-market surveillance pilot at a regional level to study Conformity to Type problems; and
- Projects to revise OIML International Documents D 14 and D 19, together with D 20 if a convener can be found.

In addition, the Advisory Group devoted much of its online meeting on 6 October to discussing how capacity building and other CEEMS activities are best taken forward in a Post-COVID-19 World. The decision to draw up a Strategy on the application of online technology to capacity building and other CEEMS Activities is an important one and will form the core of much of our work in the coming year.

Changes in Advisory Group Members

I am sorry to report that Manfred Kochsiek has announced that he will be standing down as a Co-opted Expert member of the Advisory Group. He has been an important part of our work from the beginning, and his contribution will be greatly missed. I am pleased to announce, however, that Han Jianping, who will be known to many CIML Members, has joined as a Co-opted Member.

OIML Training Centres (OTC) and OIML Training Events (OTE)

The COVID-19 situation has meant that both events previously planned for this year had to be postponed, but an online training course on smart meters for GULFMET countries was delivered by NIM, P.R. China earlier this month and may offer an example for future such events.

E-learning modules

Some work on developing an OIML policy on e-Learning following the workshop in Bratislava was begun before the COVID-19 crisis intervened and discussions are currently ongoing with UNIDO. Major changes in the products made available by the OIML require new hardware and a development server, and these are still in the process of being installed.

Revision of OIML Document D 1:2012 *Considerations for a Law on Metrology*

Following the decision, after the circulation of the first Working Document, the revision should be more far-reaching than originally envisaged, and there was an extensive restructuring of the 2012 edition, now retitled *National Metrology Systems: Developing the institutional and legislative framework*.

Following an informal meeting of the Project Group in October 2019, a 1CD was circulated in December 2019 and a 2CD in early February this year. Active engagement from members of the Project Group meant that they were able to approve a 3CD at a meeting held in March, conducted largely online. I would like to thank all the members – Mr Anthony Donnellan, Dr Chuck Ehrlich, Mr Andy Henson, Dr Manfred Kochsiek, Dr Martin Milton, Mr Ralph Richter, Mr Philip Sorrell and Dr Peter Ulbig – for the great contributions they made to this project. The revised Document successfully passed the Preliminary Online Ballot and the Final Draft Document is now before the CIML for approval.

The Advisory Group's role in developing OIML Recommendations and Documents

Basic Publication B 19:2017 provides 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”. There are currently two Project Groups undertaking revisions of OIML International Documents under Advisory Group supervision. The project to revise OIML Document D 14:2004 *Training and qualification of legal metrology personnel* has been held up both by the need to identify and train a new convener and by the COVID-19 situation. However, there have now been some discussions with the convener and progress is expected soon. The project to revise OIML Document D 19:1988 *Pattern evaluation and pattern approval* has also been held up by the COVID-19 situation, but a 1CD is close to being finalised and should be circulated soon.

At the 6 October meeting it was agreed that work should begin on developing a proposal to revise OIML Document D 20:1988 *Initial and subsequent verification of measuring instruments and processes*, provided that a country could be identified to take on the convenorship.

Capacity building and other CEEMS activities in a Post-COVID-19 World

Much of the Advisory Group's virtual meeting held on 6 October was devoted to this topic. There was general agreement that travel restrictions, increased home-working, reductions in availability of legal metrology staff and reduced funding were likely to continue for the foreseeable future. It was appropriate, therefore, to start planning how legal metrology should function in a world where there would be fewer and less experienced staff. Digitalisation and the “internet of things” would make it easier to operate in a world where face-to-face contact was likely to be more difficult but that also brought with it new training needs. The central objective of CEEMS activities – to increase skill levels in the legal metrology community – was more important than ever and would require continued use of all the “traditional” tools used in CEEMS programmes. All those tools, however, would have to be delivered in a different way, typically using online technology.

The meeting heard several examples of new initiatives which offered exciting possibilities, in particular those



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put forward by the BIPM. It was noted that the COVID-19 crisis had accelerated the use of online technology across most areas of life and that technological barriers which would have been regarded as unsurmountable 12 months ago were now seen as much less of a problem in most parts of the world. There was a pressing need, however, to bring the various examples of good practice and new ideas together so that they could be shared and advice offered on prioritisation. This was essential if the limited resources available were to be used most efficiently. It was felt that the Advisory Group was in a good position to do this, and it was therefore agreed that an ad hoc Project Group would be set up to develop a strategy on the *Application of Online Technology to Capacity Building and other CEEMS Activities*. It is hoped that the results of this work will be available before the middle of next year.

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/Vice-Chairperson and for providing the secretariat, but limited progress has been possible since then. The 6 October meeting, however, decided to establish an ad hoc project group to take this forward with a view to proposals being submitted at the 2021 annual meeting.

CIML Resolution 2018/15

At its 2018 meeting the CIML adopted Resolution 2018/15, which highlights the areas in which the OIML should be focusing its attention in the future. 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 the OIML Resolution governing our work. However, in view of the extra-ordinary circumstances created by the COVID-19 situation, the limited progress that has been possible and the pressure on the CIML's agenda for its online meeting, we have decided not to prepare such an assessment this year.

Peter Mason
Chairperson

Peter Ulbig
Vice-Chairperson



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Agenda Item 11:
Report by the CEEMS Advisory Group Chairperson

CEEMS AG work since the 55th CIML Meeting

1 Revision of D 1

Following its approval at the 55th CIML Meeting in October 2020, the Revision of D 1 *National metrology systems – Developing the institutional and legislative framework* was published as a joint OIML-BIPM publication in February 2021 once final editing had been completed.

2 Current projects

The technical work projects falling under the responsibility of the CEEMS AG are as follows:

- Revision of D 14 *Training and qualification of legal metrology personnel*
- Revision of D 19 *Pattern evaluation and pattern approval*
- New publication on *Application of online technology to capacity building and other CEEMS activities*

Unfortunately no progress has been made on these projects this year due to the priority of the items below.

3 Application of online technology to capacity building and other CEEMS activities

An initial proposal for the structure of this future publication was put forward by the CEEMS AG Chairperson, and a small Task Group was then set up to develop the individual chapters, which are as follows:

- Chapter 1: Introduction
- Chapter 2: Technical work – Developing documents and materials aimed at the CEEMS community
- Chapter 3: e-Learning
- Chapter 4: Delivering interactive training courses
- Chapter 5: Delivering consultancy and advisory support to the CEEMS community
- Chapter 6: Maintaining contacts across the metrology world
- Chapter 7: Engagement outside the metrology world
- Chapter 8: Technological issues

The initial drafting of these chapters is now well underway, and once they have been completed, the BIML and the CEEMS AG Chairperson will do the necessary editing to present a complete draft to the Task Group.

4 e-Learning and other online training

There were no in-person training courses during the last year due to the pandemic.

4.1. CEEMS AG Task Group on e-Learning

The CEEMS AG has established a small Task Group to consider the OIML's current and future needs in the area of e-Learning. This group is developing the OIML's strategy on e-Learning, reviewing the existing e-Learning content, and making proposals for new material which should be developed. The Task Group has so far held online meetings in January and June 2021 to discuss these items.

4.2. Updates to the existing OIML e-Learning platform

The existing OIML e-Learning platform was developed with funding from the ACP-EU TBT Programme, with the cooperation of, and input from AFRIMETS and CROSQ. The platform, which is based on the commonly-used Moodle educational software has been very widely used by OIML members and non-members alike, and has had over 2900 users worldwide.

However, one single production server was set up, which is problematic for making the many software updates which have become necessary, as well as when testing and amending the existing content. It has therefore been decided to set up a new development server, so that the complete software updates to the platform can be made, and new content can be tested before release without the danger of interrupting those using the system. The necessary hardware was originally mislaid by the transporter during one of the confinement periods in France due to the pandemic, but has now been delivered and installed. The underlying server software has also been set up, however, development of the rest of the system is currently awaiting the completion of an upgrade to the whole OIML website, on which it depends. This upgrade should be completed later in 2021, enabling progress on the e-Learning platform to proceed.

In the meantime, a new OIML website page has been set up with the title "Online training" rather than simply "e-Learning". This is intended to reflect the Task Group's proposal to include links to material from many sources which may be of interest to the legal metrology community.



4.3. New online training initiative

Another proposal from the Task Group is the creation of a new series of regular one-hour webinars on single metrology topics. These will generally be delivered by one speaker, on a single subject, and will include a question and answer session. The recorded videos from these webinars will be posted on the OIML website to enable those who were unable to attend the live event to watch them.

The first webinar was held on 30 June 2021, on the subject of medical devices in legal metrology, and was delivered by Rafael F. Farias (INMETRO, Brazil). The event was very successful, and has also been made into an article to be published in the October 2021 OIML Bulletin.

Suggestions are very welcome for subjects to be covered in future events.

5 OIML CEEMS Award

The 2020 OIML CEEMS Award was given to Indonesia, and a presentation will be made under item 16.3 of the agenda.

For the 2021 CEEMS Award, nominations were received from three regions, and the winner will be announced under item 16.3 of the agenda.