



**Agenda Item 13.3:**  
**OIML Certification System (OIML-CS)**

**Contents**

**Introduction**

**OIML-CS Report (2021)**

**OIML-CS Report (2020)**

**OIML-CS Report (2019)**

**OIML-CS Report (2018)**

**OIML-CS Report (2017)**

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## Agenda Item 13.3: OIML Certification System (OIML-CS)

### Introduction

This Addendum provides information on the OIML Certification System (OIML-CS).

Additional information is available in the annual reports that have been provided to the CIML by the OIML-CS Management Committee Chairperson<sup>1</sup> which detail matters concerning the OIML-CS for the years 2017–2021. These are included in this Addendum as Annexes A to E.

### Executive summary

At the 50th CIML Meeting in 2015 the CIML approved the principles for a single OIML Certification System (OIML-CS) and an associated proposal for the structure and organization of such a system.

At the 51st CIML Meeting in 2016 the CIML approved OIML B 18 *Framework for the OIML Certification System (OIML-CS)* and established a provisional Management Committee (prMC). The prMC was given the authority to act as the Management Committee for the purposes of approving OIML-CS Operational Documents, Procedural Documents, Guidance Documents, Templates and Forms. The prMC was also tasked with taking the appropriate actions so that the OIML-CS could become effective on 1 January 2018.

The prMC Chairperson (Dr Roman Schwartz) reported on the activities of the prMC at the 52nd CIML Meeting in 2017 (Annex A). At the 52nd CIML Meeting Mr Cock Oosterman was appointed by the CIML as the MC Chairperson, with Mr Bill Loizides appointed as Deputy MC Chairperson.

The CIML also approved the launch of the OIML-CS (effective from 1 January 2018), replacing the OIML Basic Certificate System and the Mutual Acceptance Arrangement. Information on the operation of the OIML Basic Certificate System and the Mutual Acceptance Arrangement in 2017 can be found in the minutes of the 52nd CIML Meeting (agenda item 14.6).

Since 2018, the MC Chairperson has provided the CIML with an annual report on the operation of the OIML-CS. The annual reports for 2018-2021 can be found in Annexes B to E respectively.

Some of the key highlights regarding the operation of the OIML-CS over the period 2018-2021 are summarised below.

- An increase in the number of measuring instrument categories from the original 19 (with just two categories in Scheme A) in 2018 to 39 categories in 2021 (with 38 categories in Scheme A and one new category (R 150:2020) in Scheme B).
- Development and publication of Joint Assessment Procedures with the IAF and ILAC regarding accreditation assessments of OIML Issuing Authorities and Test Laboratories respectively.
- A proposal to allow OIML Issuing Authorities to use ISO/IEC 17020 (with additional requirements) as an alternative to ISO/IEC 17065 for demonstrating competence.

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<sup>1</sup> In 2017 the provisional Management Committee Chairperson provided the report to the CIML.



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- Appointment of Mr Mannie Panesar as MC Chairperson (from 1 January 2021) and the reappointment of Mr Boll Loizides as Deputy Chairperson.
  - Information on the changing scopes of the 12 OIML Issuing Authorities and their associated Test Laboratories over the period 2018 to 2021.
  - Increase in the number of Utilizers and Associates from 17 in 2018 to 33 in 2021<sup>2</sup>.
  - Increase in the number of OIML-CS certificates issued from 214 in 2018 to 249 in 2020<sup>3</sup>.
  - Development of the revision of OIML D 30 and its subsequent approval and publication in 2020.
  - A proposal regarding a change to the structure of OIML Recommendations (Part 3: Test report format and Part 4: Type evaluation report format).
  - Promotional and awareness raising activities.
  - Proposals regarding the marking of the OIML-CS certificate number on measuring instruments.
  - Membership of the Management Committee now stands at 22 voting members.
  - Reports on the Management Committee meetings held during the period, including the use of videoconferencing technology to ensure the continued operation of the OIML-CS during the Covid-19 pandemic.
  - Development of the OIML-CS webpages on the OIML website, including the development of new search facilities for OIML Issuing Authorities, Utilizers and Associates.

Despite the challenges posed by the Covid-19 pandemic, the OIML-CS has continued to develop with increased participation (now 33 OIML Member States and Corresponding Members) and an increased number of OIML-CS certificates being issued.

Although the number of OIML Issuing Authorities has remained static since 2018, the OIML Issuing Authorities have adapted their scopes throughout the period to address the transition of measuring categories from Scheme B to Scheme A. In addition, a number of new Test Laboratories have been approved since 2018.

Efforts continue to promote the OIML-CS, especially within the Regional Legal Metrology Organisations, in order to increase participation. Increasing the number of Utilizers and Associates will increase demand from manufacturers for OIML-CS certificates which, in turn, will lead to an increase in the number of OIML Issuing Authorities and associated Test Laboratories.

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<sup>2</sup> As at 30 June 2021.

<sup>3</sup> Full year figures not available for 2021. 176 certificates issued from 1 January 2021 to 30 June 2021.



**Agenda Item 13.3:**

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**Contents**

**Introduction**

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**OIML-CS Report (2020)**

**OIML-CS Report (2019)**

**OIML-CS Report (2018)**

**OIML-CS Report (2017)**



**Agenda Item 10.1:**  
**Report by the OIML-CS**  
**Management Committee Chairperson**



## **OIML Certification System (OIML-CS)**

### **Annual report to the CIML by the OIML-CS Management Committee Chairperson 2021**

#### **Contents**

Report by the OIML-CS Management Committee Chairperson

#### **Annexes**

- Annex A: Measuring instrument categories
- Annex B: OIML-CS certificates registered with the BIML
- Annex C: Summary of OIML Issuing Authorities and their scopes
- Annex D: Summary of Test Laboratories and their scopes
- Annex E: Summary of Utilizers and Associates
- Annex F: Summary of Management System Experts
- Annex G: Summary of Legal Metrology Experts

# Report by the OIML Certification System (OIML-CS) Management Committee Chairperson

## 1 Activities of the OIML-CS Management Committee, Review Committee and Working Groups

### 1.1 Management Committee Membership

The following countries are voting members of the OIML-CS Management Committee:

Australia	Belgium	Cambodia	Canada
Colombia	Cuba	Czech Republic	Denmark
France	Germany	India	Japan
Korea (R.)	Netherlands	New Zealand	P.R. China
Russian Federation	Slovakia	South Africa	Switzerland
United Kingdom	United States		

### 1.2 Meetings and Working Groups

Online meetings of the Review Committee and Maintenance Group were held on 24 February and 3 March respectively. These meetings preceded the Sixth OIML-CS Management Committee Meeting which was held on 24-25 March 2021. This replicated the approach normally taken when in-person meetings were held in 2018 and 2019, and enabled the Review Committee and Maintenance Group to discuss key issues and to develop proposals for consideration and decision at the Management Committee meeting.

The Sixth Management Committee Meeting was chaired by the new Management Committee Chairperson, Mr Mannie Panesar, and 20 of the 22 Management Committee Members from OIML Member States were present or represented. In addition, there were representatives from the following liaison organisations: CECIP, CECOD, ILAC/IAF, and ISO CASCO.

Some of the key items that were discussed and considered at the Sixth Management Committee Meeting were:

- feedback and experiences of participants in the OIML-CS, covering items such as acceptance of certificates, modular approvals, and experience of remote assessments;
- reports by the Review Committee Chairperson and Maintenance Group Chairperson, including proposals on the activities of the RC and approvals of OIML-CS documents;
- recommendations from the ISO/IEC 17065 Working Group to allow OIML Issuing Authorities to use ISO/IEC 17020 (with additional requirements) as an alternative to ISO/IEC 17065 to demonstrate competence (see Addendum 10.2 to the Working Document for the 56th OIML Meeting);
- review of OIML Issuing Authority Annual Reports for 2020 and confirmation of the continued participation of the OIML Issuing Authorities in the OIML-CS;
- a progress report on the update of OIML R 60:2017;
- high priority publications and periodic reviews;
- the need for a Test Laboratory Forum Chairperson; and
- an update on the work of the OIML-IECEX Joint Working Group.

## 1.3 Changes to OIML-CS Documentation

### 1.3.1 B 18 *Framework for the OIML Certification System (OIML-CS)*

There are no changes to OIML B 18, although updated clarifications and interpretations relating to OIML B 18 arising from Management Committee decisions have been included in CID-01 Edition 3 (see 1.3.4).

### 1.3.2 Operational Documents (OD-01 and OD-02)

Operational Document OD-01 was amended to:

- change the Legal Metrology Expert qualification criteria to competence criteria;
- remove the review of “old test data” from the tasks of the Review Committee; and
- remove references to the Test Laboratory Forum Chairperson.

OD-01 Edition 3 was published on 10 June 2021.

### 1.3.3 Procedural Documents (PD-01 to PD-08)

Procedural Documents PD-05 and PD-06 were amended to implement:

- a decision taken by the OIML-CS Management Committee to allow an OIML Issuing Authority to make use of a test report issued by a Test Laboratory of another OIML Issuing Authority as the basis for issuing an OIML certificate under Scheme A;
- CIML resolution no. 2020/25 relating to the removal from OIML-CS publications of references to the marking of instruments with the OIML certificate number; and
- the clarifications and interpretations relating to PD-05 and PD-06 from CID-01 Edition 1.

PD-05 Edition 3 and PD-06 Edition 3 were published on 26 February 2021.

Procedural Document PD-07 was amended to remove the need for the Review Committee to review of “old test data”. PD-07 Edition 3 was published on 10 June 2021.

### 1.3.4 Clarifications and Interpretations Document (CID-01)

CID-01 collates decisions taken at Management Committee meetings relating to clarifications and interpretations of the text in OIML-CS documents. CID-01 Edition 2 was published 26 February 2021 as the clarifications and interpretations included in PD-05 Edition 3 and PD-06 Edition 3 were removed.

CID-01 Edition 3 (published 10 June 2021) was updated as follows:

- the clarifications and interpretations included in OD-01 Edition 3 and PD-07 Edition 3 were removed;
- the transition period for OIML Issuing Authorities to use self-declaration changed to six years (PD-03); and
- new clarifications/interpretations included for OIML B 18 and OD-02 to remove reference to the Test Laboratory Forum Chairperson.

## 2 Categories of measuring instruments and respective Scheme

The categories of measuring instruments and the respective OIML Recommendations included in the OIML-CS under Scheme A or Scheme B are shown in Annex A.



### 3 Functioning of the OIML-CS

#### 3.1 Number of registered OIML-CS certificates

Information on the OIML-CS certificates registered with the BIML is shown at Annex B.

#### 3.2 Reasons for non-acceptance

Although there has been some mention by manufacturer associations of OIML-CS certificates not being accepted, the OIML-CS Executive Secretary has not been made aware of any specific instances (with evidence) of non-acceptance of OIML-CS certificates.

### 4 OIML Issuing Authorities and Test Laboratories

#### 4.1 Approvals

Since the 56th CIML Meeting, the following changes have taken place regarding OIML Issuing Authorities and their associated Test Laboratories approved under the OIML-CS (*status at 2021-07-13*):

OIML Issuing Authority	Change	Date
CMI (Czech Republic)	Addition of R 117:2019 under Scheme A	21 December 2020
	Deletion of R 75:2002, R 134:2006 and R 139:2014 (Scheme B)	01 January 2021
FORCE (Denmark)	Addition of R 137:2012 under Scheme A	06 November 2020
	Addition of R 139:2018 under Scheme B for Horsholm TL.	18 December 2020
	Deletion of R 139:2018	01 January 2021
	Addition of R 139:2014 and R 139:2018 under Scheme A	23 June 2021
LNE (France)	Deletion of R 50:2014 and R 126:1998 (Scheme B)	01 January 2021
	Addition of R 126:1998 under Scheme A	05 July 2021
METAS (Switzerland)	Deletion of R 50:2014, R 106:2011, R 107:2007, R 126:1998 and R 134:2006	01 January 2021
NIM (P.R. China)	Deletion of R 50:2014, R 107:2007 and R 134:2006 (Scheme B)	01 January 2021
NMI (Netherlands)	Transition of R 21, R 50, R 107, R 134 and R 139 to Scheme A.	01 January 2021
	Deletion of R 75:2002, R 99:2008, R 106:2011, R 107:2007 and R 126:1998 (Scheme B)	01 January 2021
NMIA (Australia)	Deletion of R 50:2014 (Scheme B)	01 January 2021
NMIJ/AIST (Japan)	Addition of R 117:1995, R 117:2007 and R 117:2019 under Scheme A	14 June 2021
NMO (United Kingdom)	Deletion of R 21:2007, R 50:2014, R 106:2011, R 107:2007 and R 134:2006 (Scheme B)	01 January 2021
RISE (Sweden)	Addition of R 117:2019	25 March 2021

A summary of the OIML Issuing Authorities and their scopes can be found at Annex C and a summary of the Test Laboratories and their scopes can be found at Annex D.

This information is also provided on the OIML website at:

<https://www.oiml.org/en/oiml-cs/oiml-issuing-authorities>

## 4.2 Rejections

The Management Committee has not rejected any applications to be an OIML Issuing Authority or Test Laboratory.

## 4.3 Suspensions

The Management Committee has not suspended any OIML Issuing Authorities or Test Laboratories.

## 4.4 Continuing compliance of OIML Issuing Authorities and their Test Laboratories

In accordance with PD-03, OIML Issuing Authorities need to demonstrate continued compliance with the requirements for participation in the OIML-CS. Consequently, each of the OIML Issuing Authorities submitted an annual report on their activities in 2020. The 2020 annual reports have been reviewed by the Management Committee, and the Management Committee Members have agreed that each of the OIML Issuing Authorities and their associated Test Laboratories continue to fulfil the requirements for continued participation.

## 5 Utilizers and Associates

There are currently 33 Utilizers and Associates participating in the OIML-CS. Since the previous report in 2020, the following changes have taken place regarding Utilizers and Associates participating in the OIML-CS (*status at 2021-07-13*):

Country	Change	Date
Czech Republic	Addition of R 117:2019	07 January 2021
	Inclusion of Additional National Requirements	04 March 2021
Denmark	Addition of R 60:2017, R 61:2017, R 117:2007, R 117:2019, R 129:2020 and R 137:2012	13 January 2021
	Inclusion of Additional National Requirements	13 April 2021
Iran	New Utilizer	19 April 2021
Japan	Addition of R 60:2017	13 January 2021
	Addition of R 117:1995, R 117:2007 and R 117:2019	29 June 2021

A summary of the Utilizers and Associates and their scopes can be found at Annex E.

Some Utilizers and Associates have specified Additional National Requirements. Information on the Additional National Requirement for these organisations is available on the OIML website at:

<https://www.oiml.org/en/oiml-cs/utilizers-and-associates>

## **6 Legal Metrology Experts and Management System Experts**

### **6.1 Appointment of experts**

Since the 55th CIML Meeting, the Review Committee has reviewed and made positive recommendations on the approval of a number of Management System Experts and Legal Metrology Experts. The applications have been approved by the Management Committee by electronic ballot. Applications continue to be received and these will be reviewed by the Review Committee and approved by the Management Committee on a continual basis.

### **6.2 Status and scope of experts**

A summary of the Management System Experts and Legal Metrology Experts that have been approved by the Management Committee is shown at Annex F and Annex G respectively. The lists of experts are published as ILAC/IAF/OIML experts.

### **6.3 On-going competence and suitability of experts**

The OIML-CS requires that the on-going competence and suitability of experts is reviewed every three years. A process has been implemented to review and re-approve the experts that were originally approved in 2018.

## **7 Appeals**

There have been no appeals against decisions of the Management Committee.

The constitution of the Board of Appeal is as follows.

Board of Appeal Chairperson: Roman Schwartz

Board of Appeal Members: Mairead Buckley  
Himba Cheelo  
Sergey Golubev  
Toshiyuki Takatsuji

## **8 Promotional activities**

### **8.1 Seminars, workshops and awareness raising activities**

Promotion and awareness raising activities have been undertaken at various online events. Some examples of these include:

- GULFMET TC Legal Metrology meeting on 31 January 2021
- WELMEC WG8 meeting on 9/10 February 2021
- SADCAS Workshop on 31 March 2021
- Measuring Instruments Working Group meeting on 20/21 April 2021

In addition, the Promotion and Awareness Raising Working Group has developed a standard presentation for the OIML-CS that can be used by Management Committee members and other interested parties when participating in events. Colombia has taken over as Chair of the Promotion of Awareness Raising Working Group.

## 8.2 OIML-CS webpages

The OIML-CS webpages on the OIML website can be found at: <https://www.oiml.org/en/oiml-cs>

The webpages provide stakeholders with access to all of the relevant information regarding the OIML-CS. An update to the OIML Issuing Authority, Test Laboratory, Utilizer and Associate webpages has been undertaken to:

- improve the updating of scope information (back-office administrative function);
- improve the presentation of information relating to OIML Issuing Authorities, Test Laboratories, Utilizers and Associates;
- provide additional information regarding acceptance by Utilizers and Associates of test data relating to Additional National Requirements;
- provide additional information regarding the ability of OIML Issuing Authorities to evaluate Additional National Requirements; and
- provide dynamic search facilities for OIML Issuing Authorities, Test Laboratories, Utilizers and Associates and their respective scopes.

## 9 Finances of the OIML-CS

Information on the income from OIML certificate registration fees and the expenditure associated with the operation of the OIML-CS during 2020 is provided under agenda item 7.1 of the 56th CIML Meeting.

## 10 Liaison activities

As ILAC is the international organisation for accreditation bodies operating in accordance with ISO/IEC 17011 and involved in the accreditation of inspection bodies (using ISO/IEC 17020), the Executive Secretary consulted with ILAC on the proposal\* to allow OIML Issuing Authorities to use ISO/IEC 17020 (with additional requirements) as an alternative to ISO/IEC 17065 to demonstrate competence.

\* see Addendum 10.2 to the Working Document for the 56th CIML Meeting for information on the proposal.

Regarding the Joint OIML-IECEX Working Group, the ad-hoc working group developing a comparison document between the OIML-CS and the IECEX systems presented a first draft to at the Sixth Management Committee Meeting. Further work is ongoing, with the intention of sharing the document with IECEX later this year.

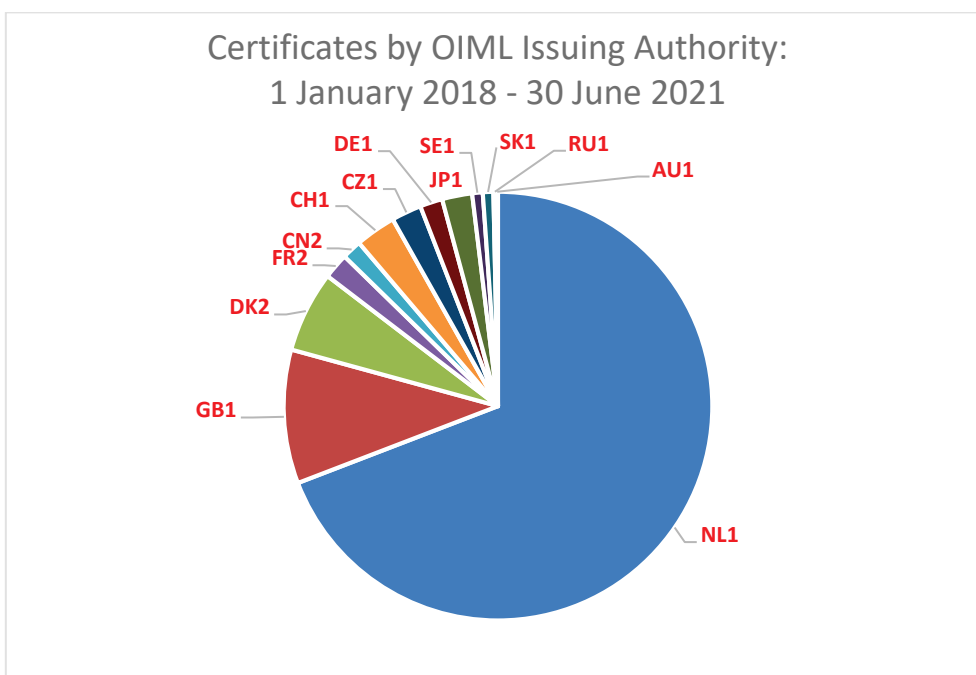
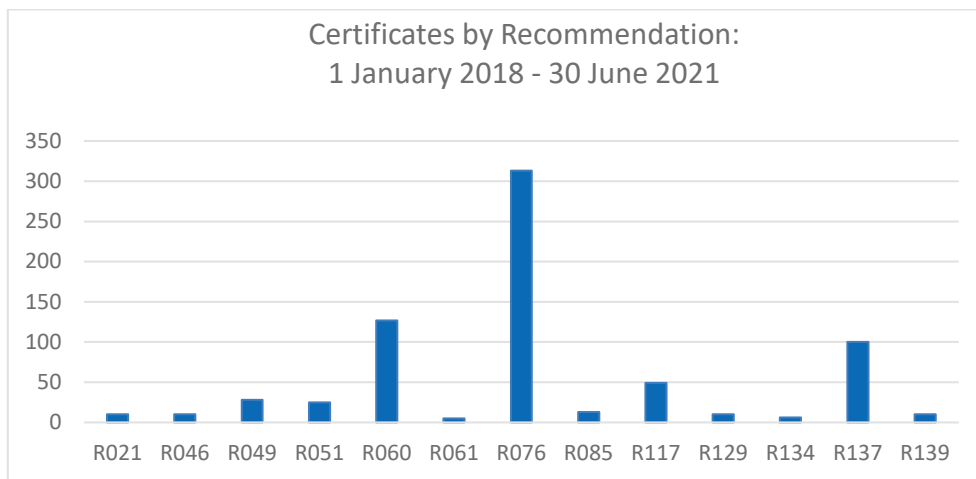
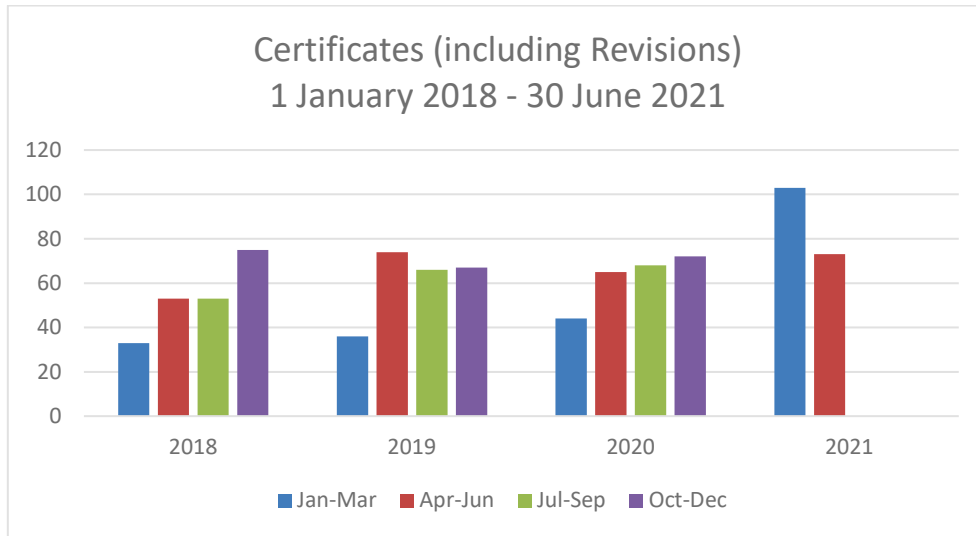
## Annexes

### Annex A: Measuring instrument categories

Measuring Instrument Category		Scheme
R 21:2007	Taximeters	A
R 35:2007	Material measures of length	A
R 46:2012	Active electrical energy meters	A
R 49:2006	Water meters	A
R 49:2013		A
R 50:2014	Continuous totalizers	A
R 51:2006	Automatic catchweighers	A
R 58:1998	Sound level meters	A
R 59:2016	Moisture meters for cereal grains and oilseeds	A
R 60:2000	Load cells	A
R 60:2017		A
R 61:2004	Automatic gravimetric filling instruments	A
R 61:2017		A
R 75:2002	Heat meters	A
R 76:1992	Non-automatic weighing instruments	A
R 76:2006		A
R 81:1998	Cryogenic liquids	A
R 85:2008	Level gauges for stationary storage tanks	A
R 88:1998	Integrating-averaging sound level meters	A
R 93:1993	Focimeters	A
R 99:2008	Vehicle exhaust emissions	A
R 102:1992	Sound calibrators	A
R 104:1993	Pure-tone audiometers	A
R 106:2011	Automatic rail-weighbridges	A
R 107:2007	Discontinuous totalizers	A
R 110:1994	Pressure balances	A
R 117:1995	Liquids other than water	A
R 117:2007		A
R 117:2019		A
R 122:1996	Speech audiometry	A
R 126:2012	Evidential breath analysers	A
R 128:2000	Ergometers for foot crank work	A
R 129:2000	Multi-dimensional measuring instruments	A
R 129:2020		A
R 133:2002	Liquid-in-glass thermometers	A
R 134:2006	Weighing road vehicles in motion	A
R 136:2004	Areas of leather	A
R 137:2012	Gas meters	A
R 139:2014	Compressed gaseous fuel systems for vehicles	A
R 139:2018		A
R 143:2009	Continuous measurement of SO <sub>2</sub> in stationary source emissions	A
R 144:2013	Continuous measurement of CO, NO <sub>x</sub> in stationary source emissions	A
R 145:2015	Ophthalmic instruments - Impression and applanation tonometers	A
R 146:2016	Protein measuring instruments for cereal grains and oilseeds	A
R 148:2020	Non-invasive non-automated sphygmomanometers <sup>1</sup>	A
R 149:2020	Non-invasive automated sphygmomanometers <sup>2</sup>	A
R 150:2020	Continuous totalizing automatic weighing instruments of the arched chute type	B <sup>3</sup>

- 1 Replaced the revised R 16-1 (withdrawn)
- 2 Replaced the revised R 16-2 (withdrawn)
- 3 Transition to Scheme A on 1 January 2023

**Annex B: OIML-CS certificates registered with the BIML (1 January 2018 – 30 June 2021)**



## Annex C: Summary of OIML Issuing Authorities and their scope

		R 21:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 51:2006	R 60:2000	R 60:2017	R 61:2004	R 61:2017	R 75:2002	R 76:1992	R 76:2006	R 85:2008	R 99:2008	R 106:2011	R 107:2007	R 117:1995	R 117:2007	R 117:2019	R 126:1998	R 129:2000	R 134:2006	R 137:2012	R 139:2014	R 139:2018	
AU1	National Measurement Institute Australia (NMIA)												■	■														
CH1	Federal Institute of Metrology (METAS)						■							■														
CN2	National Institute of Metrology, China (NIM)						■	■	■	■	■		■	■														
CZ1	Czech Metrology Institute (CMI)				■		■				■			■						■	■					■		
DE1	Physikalisch-Technische Bundesanstalt (PTB)				■		■	■	■	■		■		■														
DK2	FORCE Certification A/S				■	■	■	■	■	■	■			■			■	■					■	■	■			
FR2	Laboratoire National de Métrologie et d'Essais (LNE)			■	■		■	■	■					■								■						
GB1	NMO				■		■	■	■				■	■							■	■						
JP1	NMIJ/AIST							■	■				■	■					■	■	■							
NL1	NMi Certin B.V.	■	■	■	■	■	■	■	■	■	■		■	■	■			■	■	■	■		■	■	■	■	■	■
SE1	Research Institutes of Sweden (RISE)						■	■	■	■	■			■	■				■	■	■							
SK1	Slovak Legal Metrology (SLM)			■	■									■														

Status at 2021-07-13

## Annex D: Summary of Test Laboratories and their scope

OIML IA	Test Laboratory	R 21:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 51:2006	R 60:2000	R 60:2017	R 61:2004	R 61:2017	R 75:2002	R 76:1992	R 76:2006	R 85:2008	R 99:2008	R 106:2011	R 107:2007	R 117:1995	R 117:2007	R 117:2019	R 126:1998	R 129:2000	R 134:2006	R 137:2012	R 139:2014	R 139:2018	
AU1	National Measurement Institute Australia (NMIA)												■	■														
CH1	Federal Institute of Metrology (METAS)							■						■														
	Mettler Toledo													■														
	Sartorius													■														
CN2	National Institute of Metrology, China (NIM)						■	■	■	■	■		■	■														
	Beijing Institute of Metrology (BJIM)																											
	Shanghai Institute of Measurement and Testing Technology (SIMT)																											
	Zhejiang Province Institute of Metrology (ZJIM)																											
CZ1	CMI Testing Laboratory				■		■				■			■						■	■				■			
DE1	Physikalisch-Technische Bundesanstalt (PTB)						■	■	■	■		■		■														
	Bizerba													■														
	Endress + Hauser Flowtec AG				■																							
	Mettler Toledo													■														
	Sartorius													■														

Status at 2021-07-13



OIML IA	Test Laboratory	R 21:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 51:2006	R 60:2000	R 60:2017	R 61:2004	R 61:2017	R 75:2002	R 76:1992	R 76:2006	R 85:2008	R 99:2008	R 106:2011	R 107:2007	R 117:1995	R 117:2007	R 117:2019	R 126:1998	R 129:2000	R 134:2006	R 137:2012	R 139:2014	R 139:2018	
DK2	FORCE (Brøndby)				■																							
	FORCE (Horsholm)				■	■	■	■	■	■	■			■			■	■					■	■	■			
	FORCE (Vejen)																									■		
	ESIT							■	■																			
FR2	Laboratoire National de Métrologie et d'Essais (LNE)						■	■	■					■								■						
	Contazara S.A.			■	■																							
GB1	NMO				■		■	■	■				■	■						■	■							
	AWTX							■																				
	Mey Marom				■																							
	Sartorius													■														
JP1	NMIJ/AIST						■	■					■	■					■	■	■							
NL1	NMi Certin B.V.	■	■	■	■	■	■	■	■	■	■		■	■	■			■	■	■	■		■	■	■	■	■	
SE1	RISE						■	■	■	■	■			■	■				■	■	■							
SK1	Slovak Legal Metrology (SLM)			■	■									■														
	EVPU													■														

Status at 2021-07-13

## Annex E: Summary of Utilizers and Associates

		R 21:2007	R 35:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 51:2006	R 58:1998	R 59:2016	R 60:2000	R 60:2017	R 61:2004	R 61:2017	R 75:2002	R 76:1992	R 76:2006	R 81:1998	R 85:2008	R 88:1998	R 93:1999	R 99:2008	R 102:1992	R 104:1993	R 106:2011
AU	National Measurement Institute, Australia (NMA)				1	1					1					1	1								
BE	Federal Public Service Economy	3		3		3	3	3			1		3		3		1		3			3			3
CA	Measurement Canada										2	1			1		2								
CH	Federal Institute of Metrology (METAS)			1	2	2	1	1			2		1		1		2								1
CN	State Administration for Market Regulation (SAMR)							1			2	1	1	1		2	2								
CO	Superintendencia de Industria y Comercio (SIC)	3		3	4	4	3	3			2		3		3	2	2		3			3			3
CU	Oficina Nacional de Normalizacion (NC)	3	3	1		1	3	1	3	3	1	1	3	3	3		1	3	3	3	3	3	3	3	3
CZ	Czech Metrology Institute (CMI)					1		1						1			1								
DE	Physikalisch-Technische Bundesanstalt (PTB)	5		3	3	4	3	3			2		3		3		2					5			1
DK	FORCE Certification A/S				2	2	1	1			2	1	1	1			2								1
FR	Laboratoire National de Métrologie et d'Essais (LNE)	1		1	1	1	1	1			1		1		1	1	1		1			1			1
GB	NMO Certification	3			4	4	3	3			2		3			2	2		3						3
IN	Legal Metrology Division, Department of Consumer Affairs	3		3		4	3	3			2		3		3		2		3						1
IR	Iran National Standards Organization (INSO)				4	4					2	1				2	2								
JP	NMIJ/AIST										2	1				2	2								
KE	Weights and Measures Department		3	3	4	4		3			4	4	3	3		4	4		3						3
KH	National Metrology Centre (NMC)	3		3	3	3	3	3			1		3		3	1	1		3			3			3
KI	Ministry of Commerce, Industry and Cooperatives	5	5	5	1	1	5	1		5	1	1	5	5	5	1	1	5	5						5
KR	Korea Testing Certification (KTC)															2	2								
LV	LNMC Ltd. Metrology Bureau																								
NA	Namibian Standards Institution			3	4	4	3	3			2		3			2	2		3						3
NL	NMi Certin B.V.	3		3	3	4	3	3			2	1	3	3	3	1	2		3			3			3
NZ	Trading Standards (Ministry of Business, Innovation and Employment) (MBIE)				4	4	3	3			2					2	2		3						3
RU	VNIIMS																								
RW	Rwanda Standards Board	3	3	3	3	3		3	3	3	1	1	3	3		1	1					3	3	3	3
SA	SASO (Saudi Standards, Metrology and Quality Organization)			3		1						1					1								
SE	RISE Research Institutes of Sweden AB							3			2	1	3				2		3						
SK	Slovak Legal Metrology (SLM)				2	2											2								
TN	National Agency of Metrology (ANM)	3		3	2	2	3	3			2		3				2		3			3			3
UG	Uganda National Bureau of Standards (UNBS)			3	1	3					1	1				1	1								
US	National Conference on Weights and Measures (NCWM)										2														
ZA	NRCS: Legal Metrology				3	3		3			1					1	1		3						3
ZM	Zambia Metrology Agency	3		3	3	3	3	3			1		3		3	1	1		3			3			3

Status at 2021-07-13

1 = Scheme A only                      5 = Scheme B only  
 2 = Scheme A and MAA  
 3 = Scheme A and B  
 4 = Scheme A, B and MAA

		R 107:2007	R 110:1994	R 117:1995	R 117:2007	R 117:2019	R 122:1996	R 126:1998	R 128:2000	R 129:2000	R 129:2020	R 133:2002	R 134:2006	R 136:2004	R 137:2012	R 139:2014	R 139:2018	R 143:2009	R 144:2013	R 145:2015	R 146:2016	R 148:2020	R 149:2020	R 150:2020	
AU	National Measurement Institute, Australia (NMI)																								
BE	Federal Public Service Economy	3			3					3					3	3									
CA	Measurement Canada																								
CH	Federal Institute of Metrology (METAS)	1						1	1			1	1												
CN	State Administration for Market Regulation (SAMR)																								
CO	Superintendencia de Industria y Comercio (SIC)	3		3	3			3	3				3		3	3									
CU	Oficina Nacional de Normalizacion (NC)	3	3		3		3	3	3	3		3	3	3	3	3	3	3	3	3	3				
CZ	Czech Metrology Institute (CMI)				1	1									1										
DE	Physikalisch-Technische Bundesanstalt (PTB)	3			3	1				3			1	5	3										
DK	FORCE Certification A/S	1			1	1				1	1		3		1										
FR	Laboratoire National de Métrologie et d'Essais (LNE)	1			1			1	1				1		1	1									
GB	NMO Certification	3		3	3					3			3												
IN	Legal Metrology Division, Department of Consumer Affairs	3			3					3			1		3	3									
IR	Iran National Standards Organization (INSO)																								
JP	NMIJAIST			1	1	1																			
KE	Weights and Measures Department			3	3			3					3	3	3	3	3								
KH	National Metrology Centre (NMC)	3		3	3			3	3				3		3	3									
KI	Ministry of Commerce, Industry and Cooperatives		5	1	1							5	5		5	5	5								
KR	Korea Testing Certification (KTC)																								
LV	LNMC Ltd. Metrology Bureau							3					3												
NA	Namibian Standards Institution	3		3	3			3	3				3												
NL	NMi Certin B.V.	3		3	3	1		3	3				3		3	3	3								
NZ	Trading Standards (Ministry of Business, Innovation and Employment) (MBIE)	3		3	3					3			3												
RU	VNIIMS			3	3																				
RW	Rwanda Standards Board		3	3	3		3	3	3			3	3		3			3	3			3			
SA	SASO (Saudi Standards, Metrology and Quality Organization)					3																			
SE	RISE Research Institutes of Sweden AB			3	3																				
SK	Slovak Legal Metrology (SLM)																								
TN	National Agency of Metrology (ANM)	3		3	3			3	3				3		3	3									
UG	Uganda National Bureau of Standards			1	1	1							3		3										
US	National Conference on Weights and Measures (NCWM)																								
ZA	NRCS: Legal Metrology	3		3	3			3	3				3		3	3									
ZM	Zambia Metrology Agency	3		3	3			3	3				3		3	3									

Status at 2021-07-13

## Annex F: Summary of Management System Experts

1. Team Leaders validated by the OIML-CS Management Committee to lead Peer Assessments under the OIML-CS

Team Leader	Country	Peer Assessment Activity	
		Test Laboratory ISO/IEC 17025	OIML Issuing Authority ISO/IEC 17065
COUVREUR, Gulian	CH	✓	✓
STOLZ, Harry	DE	✓	✓
JENSEN, Hans Dalsgaard	DK	✓	
LORENTZEN, Erik Bruun	DK	✓	
AGARWAL, Ashutosh	IN	✓	
BAREL, André	NL	✓	
VERKUIL, Dick	NL	✓	✓
PREMUŠ, Aleksander	SI	✓	✓
KÄLLGREN, Håkan	SE	✓	✓
GLAS, Grégory	UK		✓
INCE, Ahmet	UK	✓	
TEN-BROEKE, Andrew	UK	✓	
AVILA, Luis Font	VE	✓	

2. Team Leaders nominated by ILAC/IAF Full Member Accreditation Bodies to lead Peer Assessments under the OIML-CS

Team Leader	Organisation	Peer Assessment Activity	
		Test Laboratory ISO/IEC 17025	OIML Issuing Authority ISO/IEC 17065
ALEXANDER, Helga	IAS	✓	
REZK, Mohamed Adel Ahmed	EGAC	✓	
AN, Ping	CNAS	✓	
DEL PILAR QUIJANO, Rocio	ONAC	✓	

*Status at 2021-07-13*

## Annex G: Summary of Legal Metrology Experts

Expert Name	Country	OIML Recommendation																				Assessment Experience		
		R 16	R 21	R 46	R 49	R 50	R 51	R 60	R 61	R 75	R 76	R 85	R 99	R 106	R 107	R 117	R 126	R 129	R 134	R 137	R 139	ISO/IEC 17025	ISO/IEC 17065	
Yi Chen	AU					✓	✓	✓			✓												✓	
Mario Zamora	AU															✓								
Dirk Bits	BE															✓						✓	✓	
Juan Carlos Mateus Sanchez <sup>1</sup>	BR	✓	✓	✓							✓		✓			✓	✓					✓		
Luciano Bruno Faruolo	BR										✓									✓		✓		
Gulian Couvreur	CH						✓	✓	✓		✓			✓	✓					✓		✓	✓	✓
Bernhard Niederhauser	CH																✓					✓		
Wang Jian	CN						✓				✓											✓		
Hu Manhong	CN					✓	✓		✓		✓					✓					✓			
Jiang Jile	CN							✓																
Shi Leibing	CN			✓																				
Yang Jing	CN																✓							
Yang Youtao	CN																					✓		
Zhong Ruilin	CN					✓	✓		✓		✓				✓					✓				
Zhou Shaoyuan	CN			✓																				

1 For EMC tests only

Status at 2021-07-13

Expert Name	Country	OIML Recommendation																			Assessment Experience			
		R 16	R 21	R 46	R 49	R 50	R 51	R 60	R 61	R 75	R 76	R 85	R 99	R 106	R 107	R 117	R 126	R 129	R 134	R 137	R 139	ISO/IEC 17025	ISO/IEC 17065	
Miroslava Benkova	CZ				✓											✓						✓		
Ivan Kriz	CZ					✓	✓		✓		✓			✓	✓					✓			✓	
Tomás Valenta	CZ																				✓		✓	✓
Timo Schwabe	DE						✓																	
Jürgen Rose	DE									✓													✓	✓
Jens Hovgård Jensen	DK					✓	✓		✓		✓				✓			✓	✓					
Christophe Brun	FR															✓						✓	✓	
Laetitia Delette	FR																✓						✓	
Emeric Morel	FR				✓																		✓	
Luc Lopez <sup>2</sup>	FR		✓				✓			✓	✓	✓				✓								✓
Reuven Perez	IL				✓																		✓	
Ashutosh Agarwal	IN				✓		✓					✓				✓							✓	
Lucio Zotti	IT				✓																		✓	✓
Nobuhiko Azami	JP								✓															
Tomohiro Nagano	JP											✓												✓
Satoshi Otani	JP											✓												✓
Takeshi Ito	JP																✓						✓	
Erik Beumer	NL				✓					✓		✓				✓							✓	
Marc Schmidt	NL															✓						✓	✓	
Marcel Cloo	NL			✓																			✓	
Paul van Rooij	NL				✓						✓		✓			✓					✓		✓	
Roy Scholten	NL						✓		✓		✓				✓			✓					✓	
Baris Yilmaz	NL						✓				✓							✓					✓	✓
Hans Boereboom	NL			✓																				
Paul Kok	NL		✓			✓	✓		✓		✓		✓			✓	✓	✓					✓	✓

2 Limited to assessments of OIML Issuing Authorities

Status at 2021-07-13

Expert Name	Country	OIML Recommendation																				Assessment Experience		
		R 16	R 21	R 46	R 49	R 50	R 51	R 60	R 61	R 75	R 76	R 85	R 99	R 106	R 107	R 117	R 126	R 129	R 134	R 137	R 139	ISO/IEC 17025	ISO/IEC 17065	
Carl Van Wijngaarden	NL																				✓		✓	
Aldemar Tjoa	NL			✓	✓		✓			✓	✓	✓				✓		✓			✓		✓	
Mathias Meijer	NL		✓					✓			✓												✓	✓
Yvo Vermeul	NL										✓											✓		
Srinivas Bobbala	NZ										✓					✓							✓	
Jaco Hattingh	NZ				✓						✓												✓	
Hakan Källgren	SE					✓	✓	✓	✓		✓			✓	✓								✓	✓
Matej Grum	SI					✓	✓		✓		✓			✓	✓								✓	✓
Aleksander Premuš	SI		✓	✓																			✓	✓
Bülent Aydemir	TR					✓	✓	✓	✓		✓			✓	✓					✓			✓	
Sevda Kaçmaz	TR					✓	✓	✓	✓		✓			✓	✓					✓			✓	
Marek Bokota	UK				✓											✓							✓	✓
Gregory Glas	UK		✓			✓	✓		✓		✓			✓	✓					✓			✓	✓
Ivor James	UK											✓							✓					
Wei Ji	UK		✓					✓			✓												✓	✓
Christine Munteanu	UK										✓					✓							✓	

Status at 2021-07-13



**Agenda Item 13.3:**

**OIML Certification System (OIML-CS)**

**Contents**

**Introduction**

**OIML-CS Report (2021)**

**OIML-CS Report (2020)**

**OIML-CS Report (2019)**

**OIML-CS Report (2018)**

**OIML-CS Report (2017)**





**Agenda item 9: OIML Certification System (OIML-CS)**

**Agenda item 9.1: Report by the OIML-CS  
Management Committee (MC) Acting Chairperson**



## OIML Certification System (OIML-CS)

### Annual report to the CIML by the OIML-CS Management Committee Acting Chairperson 2020

#### Contents

1. Report by the OIML-CS Management Committee (MC) Acting Chairperson
2. Recommendations from the MC to the CIML

#### Annexes

- Annex A: OIML-CS Certificates registered with the BIML
- Annex B: Summary of OIML Issuing Authorities and their scopes
- Annex C: Summary of Test Laboratories and their scopes
- Annex D: Summary of Utilizers and Associates
- Annex E: Summary of Management System Experts
- Annex F: Summary of Legal Metrology Experts
- Annex G: Sections 4.2.3 - 4.2.5 of OD-01
- Annex H: Supporting information regarding Guidance Note

## **1. Report by the OIML Certification System (OIML-CS) Management Committee Acting Chairperson**

### **1.1 Activities of the OIML-CS Management Committee, Review Committee and MC Working Groups**

#### **1.1.1 MC Membership**

The following countries are voting members of the OIML-CS Management Committee (MC):

Australia	Belgium	Cambodia	Canada
Colombia	Cuba	Czech Republic	Denmark
France	Germany	India	Japan
Korea (R.)	Netherlands	New Zealand	P.R. China
Russian Federation	Slovakia	South Africa	Switzerland
United Kingdom	United States		

#### **1.1.2 Meetings and Working Groups**

Due to the COVID-19 pandemic, the third OIML-CS Management Committee (MC) meeting scheduled to take place on 18-19 March 2020 in New Delhi, India was cancelled. The MC would like to thank the colleagues from India for offering to host the meeting, and the efforts they had undertaken in making the relevant preparations.

To ensure continuity of work and to progress activities essential to the smooth running of the OIML-CS, three online MC meetings were held on 19 May, 2 June and 2 July 2020 respectively. Bill Loizides (MC Acting Chairperson) chaired the meetings, with a significant majority of the countries and liaison organisations represented at each meeting.

Over the course of the three meetings, the following key items were discussed:

- Marking of measuring instruments with the OIML certificate number;
- Availability of Legal Metrology Experts;
- COVID-19 contingencies;
- “Top-10” publications and periodic reviews; and
- Updates/reports from the Review Committee, Maintenance Group and Working Groups.

During the meeting on 2 June 2020, the selection of the candidates for the positions of MC Chairperson and Deputy Chairperson took place. Further information is presented under 1.11.1.

A meeting of the Review Committee (RC) was due to be held in conjunction with the third MC meeting, but it too was cancelled due to the COVID-19 pandemic. However, Harry Stolz (RC Chairperson) provided an update on the activities of the RC at the online MC meeting on 2 July 2020.

A meeting of the Maintenance Group (MG), which is responsible for the maintenance and revision of the OIML-CS documentation (B 18, OD-01, OD-02 and PD-01 to PD-08), was due to be held in conjunction with the third MC meeting, but again was cancelled due to the COVID-19 pandemic. However, Alex Winchester, on behalf of the MG Chairperson, Bill Loizides, provided an update on the activities of the MG at the online MC meeting on 2 July 2020.

An online meeting of the **ISO/IEC 17065 Working Group (WG)** took place on 28 April 2020. The meeting, chaired by Alex Winchester, was devoted to reviewing comments received on a draft recommendation regarding the possible use of ISO/IEC 17020 *Conformity assessment — Requirements for the operation of various types of bodies performing inspection* by OIML Issuing Authorities as an alternative means of demonstrating compliance with the requirements for participation in the OIML-CS.

There have been no physical or online meetings of the **Promotion and Awareness Raising WG** or the **Assessment Requirements WG**. However, both WGs have undertaken activities to address actions identified by the MC and the conveners of the WGs provided updates at the online MC meeting on 2 July 2020.

### **1.1.3 Changes to OIML-CS Documentation**

#### **1.1.3.1 B 18 Framework for the OIML Certification System (OIML-CS)**

There are no proposed changes to OIML B 18.

#### **1.1.3.2 Operational Documents (OD-01 and OD-02)**

There have been no changes to the Operational Documents.

#### **1.1.3.3 Procedural Documents (PD-01 to PD-08)**

There have been no changes to the Procedural Documents.

Although there are no proposed changes to OIML B 18, and there have been no changes to the ODs and PDs, it should be noted that the MG is currently working on revising some of the PDs to address

- the use of test data from field sites,
- the use of test reports from a Test Laboratory of another OIML Issuing Authority, and
- a proposal to remove reference to the marking of instruments with the OIML certificate number (see 1.11.2 below).

#### **1.1.3.4 Clarifications/Interpretations Document**

The MC approved the first edition of the Clarifications and Interpretations Document (CID-01) and it was published in March 2020. CID-01 collates decisions taken at MC meetings relating to clarifications and interpretations of the text in OIML-CS documents.

## 1.2 Categories of measuring instruments and respective Scheme

The categories of measuring instruments and the respective OIML Recommendations included in the OIML-CS under Scheme A or Scheme B are shown in the table below.

Measuring Instrument Category	Scheme and Transition Date					
	1/1/18	1/1/19	1/7/19	1/1/20	1/7/20	1/1/21
R 60 Load Cells	A	A	A	A	A	A
R 76 Non-Automatic Weighing Instruments	A	A	A	A	A	A
R 49 Water Meters	B	A	A	A	A	A
R 51 Automatic catchweighers	B	B	A	A	A	A
R 117 Liquids other than water	B	B	A	A	A	A
R 46 Active electrical energy meters	B	B	B	A	A	A
R 137 Gas meters	B	B	B	A	A	A
R 61 Automatic gravimetric filling instruments	B	B	B	B	A	A
R 85 Level gauges for stationary storage tanks	B	B	B	B	A	A
R 129 Multi-dimensional measuring instruments	B	B	B	B	A	A
R 21 Taximeters	B	B	B	B	B	A
R 50 Continuous totalizers	B	B	B	B	B	A
R 75 Heat meters	B	B	B	B	B	A
R 99 Vehicle exhaust emissions	B	B	B	B	B	A
R 106 Automatic rail-weighbridges	B	B	B	B	B	A
R 107 Discontinuous totalizers	B	B	B	B	B	A
R 126 Evidential breath analyzers	B	B	B	B	B	A
R 134 Weighing road vehicles in motion	B	B	B	B	B	A
R 139 Compressed gaseous fuel systems for vehicles	B	B	B	B	B	A
R 16 Sphygmomanometer	B	B	B	B	B	A
R 35 Material Measures of Length	B	B	B	B	B	A
R 58 Sound Level Meters	B	B	B	B	B	A
R 59 Moisture meters for cereal grains and oilseeds	B	B	B	B	B	A
R 81 Cryogenic Liquids	B	B	B	B	B	A
R 88 Integrating-averaging Sound Level Meters	B	B	B	B	B	A
R 93 Focimeters	B	B	B	B	B	A
R 102 Sound Calibrators	B	B	B	B	B	A
R 104 Pure-tone Audiometers	B	B	B	B	B	A
R 110 Pressure Balances	B	B	B	B	B	A
R 122 Speech Audiometry	B	B	B	B	B	A
R 128 Ergometers for foot crank work	B	B	B	B	B	A
R 133 Liquid-in-glass thermometers	B	B	B	B	B	A
R 136 Areas of Leather	B	B	B	B	B	A
R 143 Continuous measurement of SO2 in stationary source emissions	B	B	B	B	B	A
R 144 Continuous measurement of CO, NOx in stationary source emissions	B	B	B	B	B	A
R 145 Ophthalmic instruments - Impression and applanation tonometers	B	B	B	B	B	A
R 146 Protein measuring instruments for cereal grains and oilseeds	B	B	B	B	B	A

OIML R 117:2019 has been included in the scope of the OIML-CS in accordance with B 18, 15.6. There is currently no proposal from the MC to withdraw the previous editions of R 117 from the OIML-CS.

## 1.3 Functioning of the OIML-CS

### 1.3.1 Number of OIML-CS Certificates issued

Information on the OIML-CS certificates registered with the BIML is shown at Annex A.

### 1.3.2 Reasons for non-acceptance

Although there has been some mention by manufacturer associations of OIML-CS certificates not being accepted, the OIML-CS Executive Secretary has not been made aware of any specific instances (with evidence) of non-acceptance of OIML-CS certificates.

## 1.4 OIML Issuing Authorities and Test Laboratories

### 1.4.1 Approvals

Since the 54th CIML Meeting, the following changes have taken place regarding OIML Issuing Authorities (IAs) and their associated Test Laboratories (TLs) approved under the OIML-CS (**status at 6 August 2020**):

OIML IA	Change	Date
CMI (Czech Republic)	Addition of R 51:2006, R 61:2017*, R 117:2007 and R 137:2012 under Scheme A.	7 May 2020
	Merging two TLs into a single TL with the name “CMI Testing Laboratory”, reduction of scope of testing capabilities (according to IA capabilities).	19 May 2020
	Removal of R 85.	1 July 2020
FORCE (Denmark)	Removal of R 49 and R 137. Addition of R 51:2006, R 60:2000 and R 60:2017 under Scheme A. Addition of R 139:2018 under Scheme B.	17 January 2020
	Removal of R 61 and R 129.	1 July 2020
	Addition of R 49:2013, R 61:2004, R 61:2017 and R 129:2000 under Scheme A.	31 July 2020
LNE (France)	Removal of R 49 (Scheme B) from the scope of the OIML IA. Removal of the ITRON MTL. Transition of R 51:2006 to Scheme A. Addition of R 60:2017 under Scheme A.	27 February 2020
	Addition of R 49:2006 and R 49:2013 under Scheme A. Addition of Contazara MTL for R 49:2006 and R 49:2013.	22 May 2020
METAS (Switzerland)	Removal of R 61.	1 July 2020
NIM (P.R. China)	Transition of R 61:2004* and R 61:2017* to Scheme A.	08 May 2020

OIML IA	Change	Date
NMI (Netherlands)	Transition of OIML R 46:2012 and R 137:2012 to Scheme A (from 1 January 2020).	5 November 2019
	Transition of OIML R 61:2004* and R 61:2017* to Scheme A.	15 January 2020
	Transition of OIML R 85:2008* to Scheme A.	18 June 2020
	Removal of R 129.	1 July 2020
	Addition of R 117:2019	20 July 2020
NMIA (Australia)	No change.	-
NMIJ/AIST (Japan)	No change.	-
NMO (United Kingdom)	Removal of R 61, R 85 and R 129.	1 July 2020
PTB (Germany)	Transition of R 51:2006 to Scheme A. Addition of R 61:2004* under Scheme A. Addition of R 49:2013 under Scheme A. Addition of Endress+Hauser MTL for R 49:2013 under Scheme A.	27 February 2020
RISE (Sweden)	Addition of R 61:2017 under Scheme A. Transition of R 51:2006, R 61:2004*, R 85:2008*, R 117:1995 and R 117:2007 to Scheme A.	6 December 2019
SLM (Slovakia)	-	-

\* from 1 July 2020

A summary of the OIML IAs and their scopes can be found at Annex B and a summary of the TLs and their scopes can be found at Annex C.

This information is also provided on the OIML website at:

<https://www.oiml.org/en/oiml-cs/oiml-issuing-authorities>

## 1.4.2 Rejections

The MC has not rejected any applications to be an OIML Issuing Authority or Test Laboratory.

## 1.4.3 Suspensions

The MC has not suspended any OIML Issuing Authorities or Test Laboratories.

## 1.4.4 Continuing compliance of OIML IAs and their Test Laboratories

In accordance with PD-03, OIML IAs need to demonstrate continued compliance with the requirements for participation in the OIML-CS. Consequently, each of the OIML IAs submitted an annual report on their activities in 2019. The 2019 annual reports have been reviewed by the MC, and the MC Members have agreed that each of the OIML IAs and their associated TLs continue to fulfil the requirements for continued participation.

## 1.5 Utilizers and Associates

There are now 32 Utilizers and Associates participating in the OIML-CS. Since the previous report in 2019, the following changes have taken place regarding Utilizers and Associates participating in the OIML-CS (*status at 6 August 2020*):

Country	Change	Date
Australia	Addition of R 49:2006 (Scheme A only). Acceptance of MAA removed for R 49:2013, R 60:2000, R 76:1992 and R 76:2006. Specification of ANRs for R 49.	5 August 2020
Belgium	-	
Cambodia	-	
Canada	-	
Colombia	-	
Cuba	-	
Czech Republic	Addition of R 51:2006, R 61:2017, R 117:2007 and R 137:2012	9 June 2020
Denmark	-	
France	-	
Germany	Addition of R 21, R 46, R 49:2006, R 99, R 136 and R 137. Removal of R 85 and R 139.	9 March 2020
India	-	
Japan	-	
Kenya	-	
Kiribati	New Associate	10 September 2019
Korea (R.)	-	
Latvia	-	
Namibia	-	
Netherlands	Addition of R 51:2006, R 61:2017, R 117:2007 and R 137:2012	9 July 2020
	Addition of R 117:2019	23 July 2020
New Zealand	-	
P.R. China	-	
Russian Federation	-	
Rwanda	New Associate	19 September 2019
Saudi Arabia	-	
Slovakia	-	
South Africa	-	
Sweden	-	
Switzerland	-	
Tunisia	-	
Uganda	New Associate	2 March 2020
United Kingdom	-	
United States	-	
Zambia	-	

A summary of the Utilizers and Associates and their scopes can be found at Annex D.



Some Utilizers and Associates have specified Additional National Requirements (ANRs). Information on the ANRs for these organisations is available on the OIML website at:

<https://www.oiml.org/en/oiml-cs/utilizers-and-associates>

## **1.6 Legal Metrology Experts and Management System Experts**

### **1.6.1 Appointment of experts**

Since the 54th CIML Meeting, the RC has reviewed and made positive recommendations on the approval of a number of Management System Experts and Legal Metrology Experts. The applications have been approved by the MC by electronic ballot. Applications continue to be received and these will be reviewed by the RC and approved by the MC on a continual basis.

### **1.6.2 Status and scope of experts**

A summary of the Management System Experts and Legal Metrology Experts that have been approved by the MC is shown at Annex E and Annex F respectively. The lists of experts are published as ILAC/IAF/OIML experts.

## **1.7 Appeals**

There have been no appeals against decisions of the MC.

## **1.8 Promotional activities**

### **1.8.1 Seminars, workshops and awareness raising activities**

Since the 54th CIML Meeting, promotion and awareness raising activities have been restricted by the COVID-19 pandemic.

However, the Promotion and Awareness Raising WG is developing a standard presentation for the OIML-CS that can be used by MC members and others when participating in events.

### **1.8.2 OIML-CS webpages**

The OIML-CS webpages on the OIML website can be found at: <https://www.oiml.org/en/oiml-cs>

The webpages provide stakeholders with access to all of the relevant information regarding the OIML-CS. At the time of writing, an update to the OIML Issuing Authority, Test Laboratory, Utilizer and Associate webpages is being undertaken to

- improve the updating of scope information (back-office administrative function),
- improve the presentation of information relating to OIML IAs, TLs, Utilizers and Associates,
- provide additional information regarding acceptance by Utilizers and Associates of test data relating to ANRs,
- provide additional information regarding the ability of OIML IAs to evaluate ANRs, and
- provide a search facility for OIML IA, TL, Utilizer and Associate scopes.

## **1.9 Finances of the OIML-CS**

Information on the income from OIML Certificate registration fees and the expenditure associated with the operation of the OIML-CS during 2019 is provided under agenda item 7.1 of the 55th CIML Meeting.

### **1.10 Other activities**

#### **1.10.1 Liaison activities**

The OIML-CS Executive Secretary worked with the International Accreditation Forum (IAF) to develop a Joint IAF-OIML Assessment Procedure to support the accreditation assessments of OIML Issuing Authorities under the OIML-CS. The document was published by the OIML and IAF in January 2020.

Following the decision taken at the 53rd CIML Meeting (Resolution 2018/13), a Joint OIML-IECEX Working Group (JWG) has been established. As reported at the 54th CIML Meeting, the first meeting of the JWG was held in Dubai in September 2019. To progress some of the actions arising from the JWG meeting, an ad-hoc working group meeting was held at the PTB in Braunschweig, Germany on 28 February 2020. Further progress is anticipated in the fourth quarter of 2020 when the next IECEX Management Committee meeting will be held.

#### **1.10.2 Revision of OIML D 30**

As highlighted in the report to the 54th CIML Meeting, a Working Group was established under the MC to undertake the revision of OIML D 30. The Working Group made excellent progress, and the Final Draft revision of D 30 was approved by *direct CIML online approval* in June 2020. OIML D 30:2020 has been published on the OIML website and can be used to support accreditation and peer assessments of TLs operating under the OIML-CS.

### **1.11 Other items**

#### **1.11.1 Selection of nominees for positions of OIML-CS MC Chairperson and OIML-CS MC Deputy Chairperson**

In accordance with B 18:2018, 9a), 9b), 11.1c) and 11.1d), the CIML is responsible for appointing the OIML-CS MC Chairperson and OIML-CS MC Deputy Chairperson. Information on the selection of the nominees and the appointment process can be found in OIML-CS Operational Document OD-01, 4.2.3- 4.2.5 (see Annex G).

##### OIML-CS MC Chairperson

Further to the announcement by Cock Oosterman at the 54th CIML Meeting that he was stepping down from the role of OIML-CS MC Chairperson at the end of October 2019, Bill Loizides has fulfilled the role of OIML-CS MC Acting Chairperson.

In accordance with OD-01, 4.2.3 the OIML-CS MC Chairperson is nominated from amongst the representatives of the MC from OIML Member States. A call for candidates for the role of OIML-CS MC Chairperson was circulated to the MC on 17 December 2019. Candidacies were received from two

MC Members who provided letters of motivation, their CVs and letters of support from their respective CIML Members. The candidates gave short presentations at the online MC meeting on 19 May 2020, and the selection process detailed in OD-01, 4.2.5 took place at the online MC meeting on 2 June 2020. Following the selection process, Mannie Panesar (MC Member for the United Kingdom) was selected as the nominee for appointment to the role of OIML-CS MC Chairperson.

The OIML-CS MC recommends that the CIML appoints Mannie Panesar to the position of OIML-CS MC Chairperson from 1 January 2021 for a period of three years.

*Note:* this will be dealt with under agenda item 9.2 of the 55th CIML Meeting.

#### Deputy Chairperson

At the 52nd CIML Meeting, Bill Loizides was appointed to the role of OIML-CS MC Deputy Chairperson for a three-year term, starting on 1 January 2018. In accordance with OD-01, 4.2.4 he is eligible to be appointed for a further three-year term. At the online MC meeting on 2 June 2020 the selection process detailed in OD-01, 4.2.5 took place and the MC Members selected Bill Loizides for re-appointment to the role of OIML-CS MC Deputy Chairperson.

The OIML-CS MC recommends that the CIML re-appoints Bill Loizides to the position of OIML-CS MC Deputy Chairperson from 1 January 2021 for a period of three years.

*Note:* this will be dealt with under agenda item 9.3 of the 55th CIML Meeting.

### **1.11.2 Proposal regarding the marking of the OIML certificate number on measuring instruments**

At the online MC meeting on 2 June, Charles Ehrlich (MC Member for the US) submitted a proposal relating to the marking of instruments with the OIML certificate number and/or OIML(-CS) logo. Following discussion of the proposal, it was agreed that marking of instruments with the OIML(-CS) logo should be removed from the proposal as a logo could potentially be mistaken for a conformity mark or certification mark.

At the online MC meeting on 2 July 2020, the MC considered options regarding the marking of instruments with the OIML certificate number. The first was to amend PD-06, 4.4 to allow manufacturers to put the OIML certificate number on an instrument. The second proposal stemmed from a discussion between the CIML President, the two Vice-Presidents and the BIML Director, and related to the removal of language regarding the OIML certificate number from all OIML publications; this was called the “remain silent” proposal. There was general support within the MC for allowing the OIML certificate number to be marked on an instrument as the certificate number is not considered a conformity mark. However, some MC members expressed their concerns regarding possible confusion. Of the two proposals, the “remain silent” proposal was preferred.

It was concluded that there is no legal mechanism within the OIML to prevent a manufacturer marking an instrument with the OIML certificate number. The MC therefore proposes to the CIML that manufacturers should be allowed to mark the OIML certificate number on instruments, with the “remain silent” proposal as the preferred way of achieving this. To improve understanding of the OIML certificate number, and to avoid any potential confusion, the MC proposes the development of a Guidance Note on the meaning and use of the OIML certificate number. The Guidance Note should

also take into account the marking of modules, e.g. a load cell within a non-automatic weighing instrument. Supporting information regarding the Guidance Note is provided in Annex H.

## 2. Recommendations from the MC to the CIML

The OIML-CS MC recommends that the CIML approves the proposal to remove any reference to the marking of the OIML certificate number on measuring instruments from all OIML publications (the “remain silent” proposal), as detailed in 1.11.2.

If the CIML approves the proposal, the OIML-CS MC shall review the OIML-CS publications to identify those that include a reference to the marking of the OIML certificate number on measuring instruments. The MC shall instigate a revision of the relevant OIML-CS publication(s). The MC will also develop a Guidance Note regarding the meaning and use of the OIML certificate number. In addition, the MC recommends that the BIML review all other OIML publications to identify those that include a reference to the marking of the OIML certificate number on measuring instruments, e.g. OIML R 60:2017. The most appropriate method to amend the relevant publications should also be identified and communicated to the Secretariats of the appropriate technical committees and/or subcommittees.

*Note:* this will be dealt with under agenda item 9.4 of the 55th CIML Meeting.

### **Draft Resolution no. 2020/...**

The Committee,

Noting the recommendation from the OIML Certification System (OIML-CS) Management Committee (MC) provided in Addendum 9.1 to the working document for this meeting,

Decides that reference to the marking of the OIML certificate number on measuring instruments should be removed from all OIML publications,

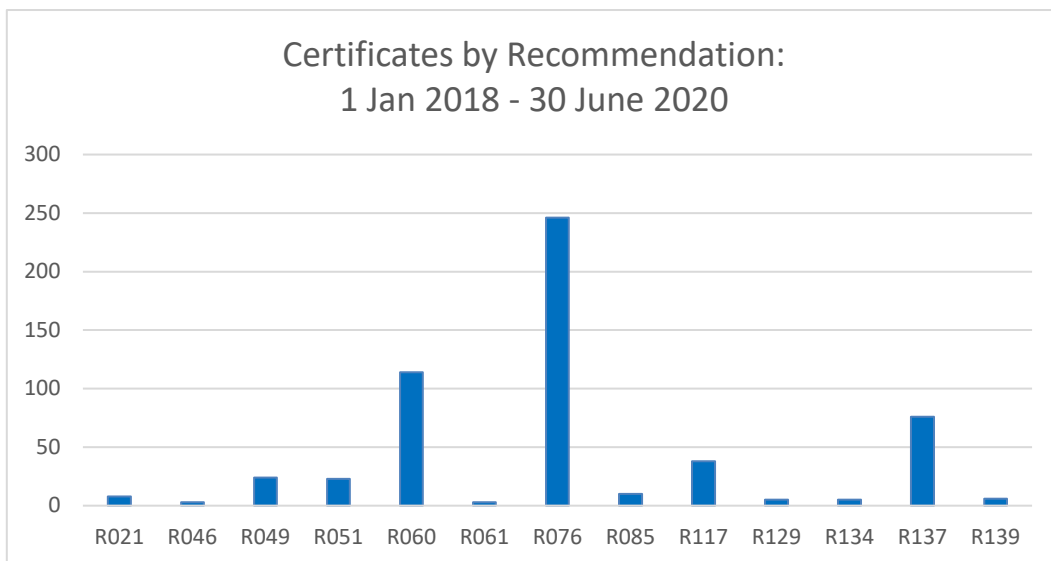
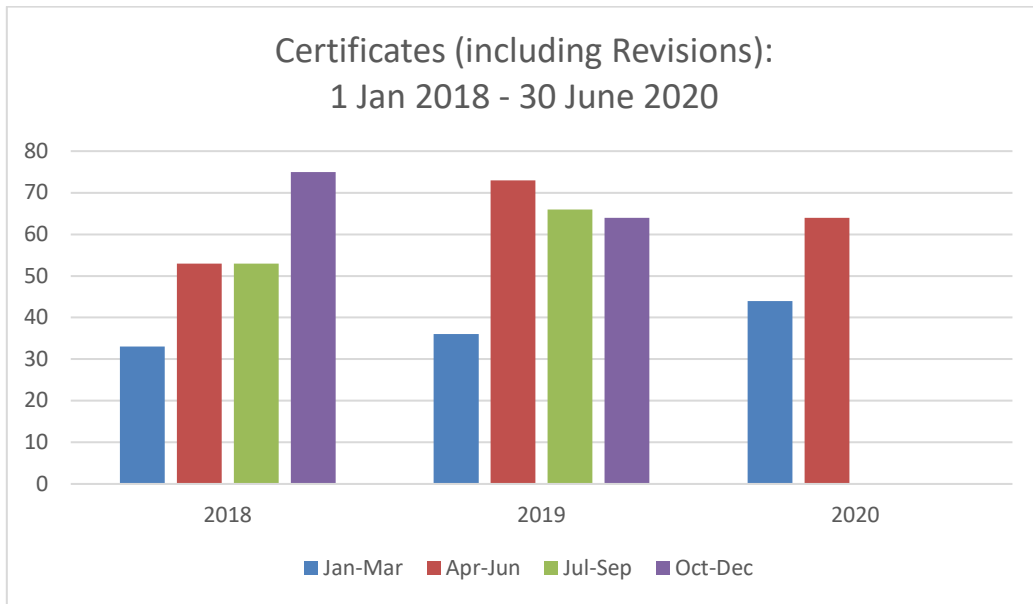
Requests the OIML-CS MC to revise the relevant OIML-CS publications and to develop a Guidance Note regarding the meaning of the OIML certificate number when it is marked on a measuring instrument,

Instructs the BIML to review all other OIML publications to identify those that include a reference to the marking of the OIML certificate number on measuring instruments, and

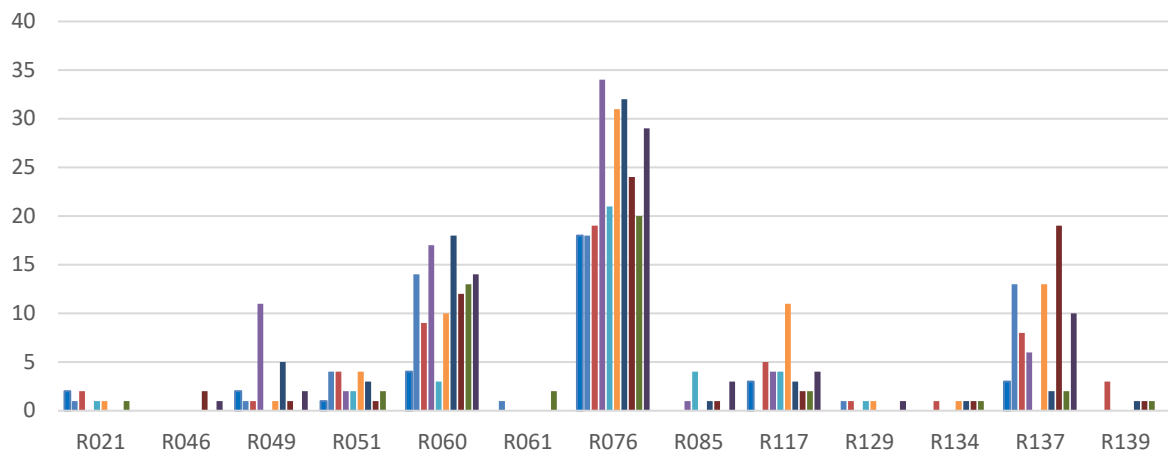
Instructs the BIML to identify the most appropriate method to amend/revise the relevant publications and to communicate this information to the Secretariats of the appropriate technical committees and/or subcommittees.

## Annexes

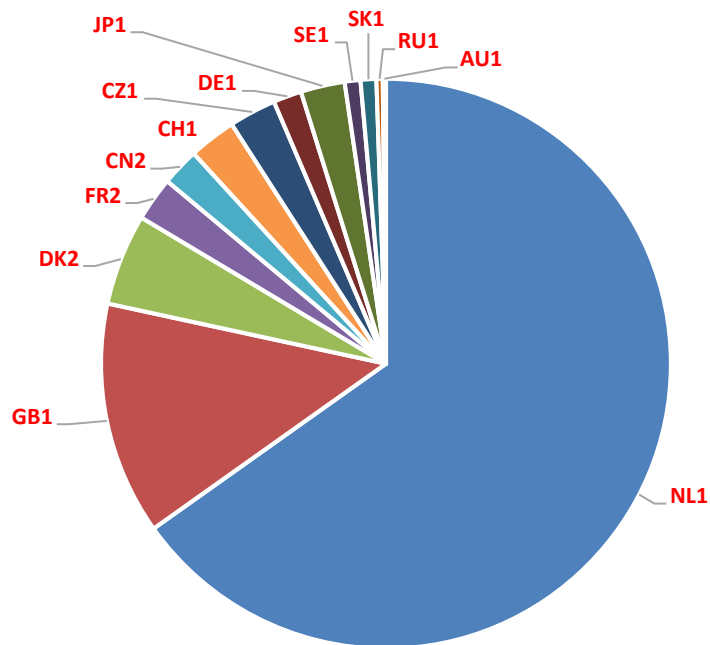
### Annex A: OIML-CS Certificates registered with the BIML



Certificates by Recommendation (by quarter):  
1 Jan 2018 - 30 June 2020



Certificates by OIML Issuing Authority:  
1 Jan 2018 - 30 June 2020



## Annex B: Summary of OIML Issuing Authorities and their scope

		R 21:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 51:2006	R 60:2000	R 60:2017	R 61:2004	R 61:2017	R 75:2002	R 76:1992	R 76:2006	R 85:2008	R 99:2008	R 106:2011	R 107:2007	R 117:1995	R 117:2007	R 117:2019	R 126:1998	R 129:2000	R 134:2006	R 137:2012	R 139:2014	R 139:2018	
AU1	National Measurement Institute Australia (NMIA)					■							■	■														
CH1	Federal Institute of Metrology (METAS)					■		■						■			■	■				■		■				
CN2	National Institute of Metrology, China (NIM)					■	■	■	■	■	■		■	■				■						■				
CZ1	Czech Metrology Institute (CMI)				■		■				■	■		■						■						■	■	
DE1	Physikalisch-Technische Bundesanstalt (PTB)				■		■	■		■		■		■														
DK2	FORCE Certification A/S				■	■	■	■	■	■	■			■			■	■					■	■				■
FR2	Laboratoire National de Métrologie et d'Essais (LNE)			■	■	■	■	■	■					■								■						
GB1	NMO	■				■		■					■	■			■	■							■			
JP1	NMIJ/AIST							■					■	■														
NL1	NMi Certin B.V.	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■
SE1	Research Institutes of Sweden (RISE)						■	■	■	■	■			■	■				■	■								
SK1	Slovak Legal Metrology (SLM)			■	■									■														

Status at 2020-08-06

## Annex C: Summary of Test Laboratories and their scope

OIML IA	Test Laboratory	R 21:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 51:2006	R 60:2000	R 60:2017	R 61:2004	R 61:2017	R 75:2002	R 76:1992	R 76:2006	R 85:2008	R 99:2008	R 106:2011	R 107:2007	R 117:1995	R 117:2007	R 117:2019	R 126:1998	R 129:2000	R 134:2006	R 137:2012	R 139:2014	R 139:2018	
AU1	National Measurement Institute Australia (NMIA)					■							■	■														
CH1	Federal Institute of Metrology (METAS)					■		■						■			■	■				■		■				
	Mettler Toledo													■														
	Sartorius													■														
CN2	National Institute of Metrology, China (NIM)					■	■	■	■	■	■		■	■				■						■				
	Beijing Institute of Metrology (BJIM)																											
	Shanghai Institute of Measurement and Testing Technology (SIMT)																											
	Zhejiang Province Institute of Metrology (ZJIM)																											
CZ1	CMI Testing Laboratory				■		■				■	■		■					■						■	■		
DE1	Physikalisch-Technische Bundesanstalt (PTB)						■	■		■		■		■														
	Bizerba													■														
	Endress + Hauser Flowtec AG				■																							
	Mettler Toledo													■														
	Sartorius													■														

Status at 2020-08-06



OIML IA	Test Laboratory	R 21:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 51:2006	R 60:2000	R 60:2017	R 61:2004	R 61:2017	R 75:2002	R 76:1992	R 76:2006	R 85:2008	R 99:2008	R 106:2011	R 107:2007	R 117:1995	R 117:2007	R 117:2019	R 126:1998	R 129:2000	R 134:2006	R 137:2012	R 139:2014	R 139:2018	
DK2	FORCE (Brøndby)				■																							
	FORCE (Horsholm)				■	■	■	■	■	■	■			■			■	■					■	■				
	FORCE (Vejen)																										■	
FR2	Laboratoire National de Métrologie et d'Essais (LNE)					■	■	■	■					■									■					
	Contazara S.A.			■	■																							
GB1	NMO	■				■		■					■	■			■	■						■				
	AWTX							■						■														
	NSF																											
	Sartorius														■													
JP1	NMIJ/AIST							■					■	■														
NL1	NMi Certin B.V.	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■
SE1	RISE						■	■	■	■	■			■	■				■	■								
SK1	Slovak Legal Metrology (SLM)			■	■									■														
	EVPU													■														

Status at 2020-08-06

## Annex D: Summary of Utilizers and Associates

1 = Scheme A only  
 2 = Scheme A and MAA  
 3 = Scheme A and B  
 4 = Scheme A, B and MAA

5 = Scheme B only

		R 16:2002	R 21:2007	R 35:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 51:2006	R 58:1998	R 59:2016	R 60:2000	R 60:2017	R 61:2004	R 61:2017	R 75:2002	R 76:1992	R 76:2006	R 81:1998	R 85:2008	R 88:1998	R 93:1999	R 99:2008
AU	National Measurement Institute, Australia (NMI)					1	1					1				1	1						
BE	Federal Public Service Economy		3		3		3	3	3			1		3		3		1		3		3	
CA	Measurement Canada											2	1			1		2					
CH	Federal Institute of Metrology (METAS)				1	2	2	1	1			2		1		1		2					
CN	State Administration for Market Regulation (SAMR)								1			2	1	1	1		2	2					
CO	Superintendencia de Industria y Comercio (SIC)		3		3	4	4	3	3			2		3		3	2	2		3		3	
CU	Oficina Nacional de Normalizacion (NC)	3	3	3	1		1	3	1	3	3	1	1	3	3	3		1	3	3	3	3	
CZ	Czech Metrology Institute (CMI)						1		1						1			1					
DE	Physikalisch-Technische Bundesanstalt (PTB)		5		3	3	4	3	3			2		3		3		2					5
DK	FORCE Certification A/S					2	2	1	1			2		1			2	2					
FR	Laboratoire National de Métrologie et d'Essais (LNE)		1		1	1	1	1	1			1		1		1	1	1		1		1	
GB	NMO Certification		3			4	4	3	3			2		3			2	2		3			
IN	Legal Metrology Division, Department of Consumer Affairs		3		3		4	3	3			2		3		3		2		3			
JP	NMI/JAIST											2					2	2					
KE	Weights and Measures Department			3	3	4	4		3			4	4	3	3		4	4		3			
KH	National Metrology Centre (NMC)		3		3	3	3	3	3			1		3		3	1	1		3		3	
KI	Ministry of Commerce, Industry and Cooperatives	5	5	5	5	1	1	5	1		5	1	1	5	5	5	1	1	5	5			
KR	Korea Testing Certification (KTC)																2	2					
LV	LNMC Ltd. Metrology Bureau																						
NA	Namibian Standards Institution				3	4	4	3	3			2		3			4	4		3			
NL	NMi Certin B.V.		3		3	3	4	3	3			2	1	3	3	3	1	2		3		3	
NZ	Trading Standards (Ministry of Business, Innovation and Employment) (MBIE)					4	4	3	3			2					2	2		3			
RU	VNIIMS																						
RW	Rwanda Standards Board	3	3	3	3	3	3		3	3	3	1	1	3	3		1	1				3	
SA	SASO (Saudi Standards, Metrology and Quality Organization)				3		1						1					1					
SE	RISE Research Institutes of Sweden AB								3			2	1	3				2		3			
SK	Slovak Legal Metrology (SLM)																	2					
TN	National Agency of Metrology (ANM)		3		3	2	2	3	3			2		3			2	2		3		3	
UG	Uganda National Bureau of Standards (UNBS)				3	1	3					1	1				1	1					
US	National Conference on Weights and Measures (NCWM)											2											
ZA	NRCS: Legal Metrology					3	3		3			1					1	1		3			
ZM	Zambia Metrology Agency		3		3	3	3	3	3			1		3		3	1	1		3			

Status at 2020-08-06

1 = Scheme A only                      5 = Scheme B only  
 2 = Scheme A and MAA  
 3 = Scheme A and B  
 4 = Scheme A, B and MAA

		R 102:1992	R 104:1993	R 106:2011	R 107:2007	R 110:1994	R 117:1995	R 117:2007	R 117:2019	R 122:1996	R 126:1998	R 128:2000	R 129:2000	R 133:2002	R 134:2006	R 136:2004	R 137:2012	R 139:2014	R 139:2018	R 143:2009	R 144:2013	R 145:2015	R 146:2016
AU	National Measurement Institute, Australia (NMI)																						
BE	Federal Public Service Economy			3	3			3					3				3	3					
CA	Measurement Canada																						
CH	Federal Institute of Metrology (METAS)			1	1						1		1		1		1						
CN	State Administration for Market Regulation (SAMR)																						
CO	Superintendencia de Industria y Comercio (SIC)			3	3		3	3			3		3		3		3	3					
CU	Oficina Nacional de Normalizacion (NC)	3	3	3	3	3		3		3	3	3	3	3	3	3	3	3	3	3	3	3	3
CZ	Czech Metrology Institute (CMI)							1									1						
DE	Physikalisch-Technische Bundesanstalt (PTB)			1	3			3					3		1	5	3						
DK	FORCE Certification A/S			1	1								1		3								
FR	Laboratoire National de Métrologie et d'Essais (LNE)			1	1			1			1		1		1		1	1					
GB	NMO Certification			3	3		3	3					3		3								
IN	Legal Metrology Division, Department of Consumer Affairs			1	3			3					3		1		3	3					
JP	NMIJAIST																						
KE	Weights and Measures Department			3			3	3			3				3	3	3	3	3				
KH	National Metrology Centre (NMC)			3	3		3	3			3		3		3		3	3					
KI	Ministry of Commerce, Industry and Cooperatives			5		5	1	1						5	5		5	5	5				
KR	Korea Testing Certification (KTC)																						
LV	LNMC Ltd. Metrology Bureau										3				3								
NA	Namibian Standards Institution			3	3		3	3			3		3		3								
NL	NMi Certin B.V.			3	3		3	3	1		3		3		3		3	3	3				
NZ	Trading Standards (Ministry of Business, Innovation and Employment) (MBIE)			3	3		3	3					3		3								
RU	VNIIMS						3	3															
RW	Rwanda Standards Board	3	3	3		3	3	3		3	3		3	3	3		3			3	3		3
SA	SASO (Saudi Standards, Metrology and Quality Organization)							3															
SE	RISE Research Institutes of Sweden AB						3	3															
SK	Slovak Legal Metrology (SLM)																						
TN	National Agency of Metrology (ANM)			3	3		3	3			3		3		3		3	3					
UG	Uganda National Bureau of Standards						1	1	3						3		3						
US	National Conference on Weights and Measures (NCWM)																						
ZA	NRCS: Legal Metrology				3	3		3	3		3		3		3		3	3					
ZM	Zambia Metrology Agency	3			3	3		3	3		3		3		3		3	3					

## Annex E: Summary of Management System Experts



### OIML Certification System (OIML-CS) Implementation Accreditation in Legal Metrology

#### Management System Experts – Team Leaders (Lead Assessors)

1. Team Leaders validated by the OIML-CS Management Committee to lead Peer Assessments under the OIML-CS

Team Leader	Country	Peer Assessment Activity	
		Test Laboratory ISO/IEC 17025	OIML Issuing Authority ISO/IEC 17065
COUVREUR, Gulian	CH	✓	✓
STOLZ, Harry	DE	✓	✓
JENSEN, Hans Dalsgaard	DK	✓	
LORENTZEN, Erik Bruun	DK	✓	
AGARWAL, Ashutosh	IN	✓	
VERBEEK, Jos	NL	✓	
BAREL, André	NL	✓	
VERKUIL, Dick	NL	✓	✓
PREMUŠ, Aleksander	SI	✓	✓
KÄLLGREN, Håkan	SE	✓	✓

2. Team Leaders nominated by ILAC/IAF Full Member Accreditation Bodies to lead Peer Assessments under the OIML-CS

Team Leader	Organisation	Peer Assessment Activity	
		Test Laboratory ISO/IEC 17025	OIML Issuing Authority ISO/IEC 17065
ALEXANDER, Helga	IAS	✓	
REZK, Mohamed Adel Ahmed	EGAC	✓	
AN, Ping	CNAS	✓	
DEL PILAR QUIJANO, Rocio	ONAC	✓	

Status at 2020-08-06

## Annex F: Summary of Legal Metrology Experts



### OIML Certification System (OIML-CS) Implementation Accreditation in Legal Metrology

#### Legal Metrology Experts

Legal Metrology Experts validated by the OIML-CS Management Committee to participate in Accreditation and Peer Assessments under the OIML-CS

Expert Name	Country	OIML Recommendation																		Assessment Experience				
		R 16	R 21	R 46	R 49	R 50	R 51	R 60	R 61	R 75	R 76	R 85	R 99	R 106	R 107	R 117	R 126	R 129	R 134	R 137	R 139	ISO/IEC 17025	ISO/IEC 17065	
Petra Milota	AT				✓																		✓	✓
Yi Chen	AU				✓	✓	✓			✓													✓	
Mario Zamora	AU															✓								
Dirk Bils	BE															✓						✓	✓	
Juan Carlos Mateus Sanchez <sup>1</sup>	BR	✓	✓	✓							✓		✓			✓	✓						✓	
Luciano Bruno Faruolo	BR										✓								✓				✓	
Gulian Couvreur	CH					✓	✓	✓		✓			✓	✓					✓				✓	✓
Bernhard Niederhauser	CH																✓						✓	
Wang Jian	CN					✓				✓													✓	
Hu Manhong	CN				✓	✓		✓		✓				✓					✓					
Jiang Jile	CN						✓																	
Shi Leibing	CN			✓																				
Yang Jing	CN														✓									
Yang Youtao	CN																				✓			
Zhong Ruilin	CN				✓	✓		✓		✓				✓					✓					
Zhou Shaoyuan	CN			✓																				

1 For EMC tests only

Status at 2020-08-06

Expert Name	Country	OIML Recommendation																			Assessment Experience			
		R 16	R 21	R 46	R 49	R 50	R 51	R 60	R 61	R 75	R 76	R 85	R 99	R 106	R 107	R 117	R 126	R 129	R 134	R 137	R 139	ISO/IEC 17025	ISO/IEC 17065	
Miroslava Benkova	CZ				✓										✓							✓		
Ivan Kriz	CZ					✓	✓		✓		✓			✓	✓					✓			✓	
Tomás Valenta	CZ																			✓			✓	✓
Timo Schwabe	DE						✓																	
Jürgen Rose	DE									✓													✓	✓
Jens Hovgård Jensen	DK					✓	✓		✓		✓				✓			✓	✓					
Christophe Brun	FR															✓						✓	✓	
Denis Vogel	FR					✓	✓	✓	✓		✓				✓								✓	
Emeric Morel	FR				✓																		✓	
Luc Lopez <sup>2</sup>	FR		✓				✓			✓	✓	✓				✓								✓
Reuven Perez	IL				✓																		✓	
Ashutosh Agarwal	IN				✓		✓				✓					✓							✓	
Lucio Zotti	IT				✓																		✓	✓
Nobuhiko Azami	JP								✓															
Shinsuke Mikura	JP							✓															✓	
Tomohiro Nagano	JP											✓											✓	
Satoshi Otani	JP											✓											✓	
Takeshi Ito	JP															✓							✓	
Erik Beumer	NL				✓					✓		✓				✓							✓	
Marc Schmidt	NL															✓						✓	✓	
Marcel Cloo	NL			✓																			✓	
Paul van Rooij	NL				✓											✓							✓	
Roy Scholten	NL						✓		✓		✓				✓			✓					✓	
Baris Yilmaz	NL						✓				✓							✓					✓	✓
Hans Boereboom	NL			✓																				
Paul Kok	NL		✓			✓	✓		✓		✓		✓		✓		✓	✓	✓				✓	✓
Carl Van Wijngaarden	NL																				✓		✓	
Aldemar Tjoa	NL			✓	✓		✓				✓					✓		✓		✓			✓	

2 Limited to assessments of OIML Issuing Authorities

Status at 2020-08-06

Expert Name	Country	OIML Recommendation																			Assessment Experience		
		R 16	R 21	R 46	R 49	R 50	R 51	R 60	R 61	R 75	R 76	R 85	R 99	R 106	R 107	R 117	R 126	R 129	R 134	R 137	R 139	ISO/IEC 17025	ISO/IEC 17065
Mathias Meijer	NL		✓					✓		✓												✓	✓
Yvo Vermeul	NL									✓										✓			
Srinivas Bobbala	NZ									✓					✓							✓	
Hakan Källgren	SE					✓	✓	✓	✓	✓			✓	✓								✓	✓
Matej Grum	SI					✓	✓		✓	✓			✓	✓								✓	✓
Aleksander Premuš	SI		✓	✓																		✓	✓
Bülent Aydemir	TR					✓	✓	✓	✓	✓			✓	✓					✓			✓	
Sevda Kaçmaz	TR					✓	✓	✓	✓	✓			✓	✓					✓			✓	
Marek Bokota	UK				✓																	✓	✓
Wei Ji	UK							✓														✓	✓
Gregory Glas	UK		✓				✓			✓												✓	✓
Jaco Hattingh	ZA				✓					✓												✓	

Status at 2020-08-06

## **Annex G: Sections 4.2.3 - 4.2.5 of OD-01**

### **4.2.3 Chairperson**

The Chairperson is nominated from amongst the representatives of the MC from OIML Member States and shall be appointed for a term of three years by the CIML.

The Chairperson is eligible for re-appointment for one further term of three years. If at the end of a second, or a subsequent, term there are no new candidates nominated for appointment to the position of Chairperson, the MC may propose to the CIML that the incumbent Chairperson be appointed for a further term of three years.

In the event that the Chairperson is unable to fulfil his/her duties, the Deputy Chairperson shall substitute for him/her.

### **4.2.4 Deputy Chairperson**

The Deputy Chairperson is nominated from amongst the representatives of the MC from OIML Member States and shall be appointed for a term of three years by the CIML.

The Deputy Chairperson is eligible for re-appointment for one further term of three years. If at the end of a second, or a subsequent, term there are no new candidates nominated for appointment to the position of Deputy Chairperson, the MC may propose to the CIML that the incumbent Deputy Chairperson be appointed for a further term of three years.

The Deputy Chairperson may at the same time act as a representative of his/her country at an MC meeting, except when he/she takes on the role of Chairperson at the meeting.

### **4.2.5 Procedure for nominating Chairperson and Deputy**

During an MC meeting, the candidates will give a short presentation of their candidacy. The selection is then processed, by secret ballots, as follows:

- a) As long as there are two candidates or more:
  - i. MC Members from OIML Member States vote for one of the candidates, and the candidate who obtained the smallest number of votes is eliminated;
  - ii. in the case where two candidates share the lowest number of votes, the candidate who was most recently appointed as an MC representative is eliminated;

*Note:* if one of the candidates receives a number of “yes” votes greater than 50% of the number of MC Members from OIML Member States then that candidate is selected for nomination.

- b) If there is only one candidate or when only one candidate remains, MC Members from OIML Member States vote “yes” or “abstention” and the candidate is selected for nomination if he/she obtains a number of “yes” votes greater or equal to 50 % of the number of MC Members from OIML Member States.
- c) In the case where the remaining candidate has not obtained the required 50 % majority:



- i. for the selection of the Chairperson, the Deputy Chairperson becomes Acting Chairperson until the next MC meeting, at which time a new selection is organized;
  - ii. for the selection of a Deputy Chairperson, the position shall remain vacant until the next MC meeting, at which time a new selection is organized.
- d) The selected candidate (nominee) is then proposed to the CIML for appointment. CIML Members vote “yes” or “abstention” and the nominee is appointed if he/she obtains a number of “yes” votes greater or equal to 50 % of the number of OIML Member States. The conditions specified in 4.2.5 c) apply where the nominee does not receive the required 50% majority.
- e) Where the positions of Chairperson and Deputy Chairperson are both vacant, should both candidates (nominees) fail to receive the required 50% majority the CIML First Vice-President shall assume the role of Chairperson (ex officio) until such time as a candidate (nominee) achieves the required 50% majority.

## **Annex H: Supporting information regarding Guidance Note**

Subject to CIML approval of the proposal to remove reference to the marking of the OIML certificate number on measuring instruments from all OIML publications, the OIML-CS MC shall:

- amend the relevant OIML-CS documents such that all references to the use of the OIML certificate number are removed; and
- develop a Guidance Note regarding the meaning and use of the OIML certificate number, based on the following concepts:
  - a) OIML-CS documentation shall neither explicitly prevent nor require the OIML certificate number to be marked on a measuring instrument of the corresponding certified type.
  - b) As such, measuring instrument manufacturers that obtain an OIML certificate for a type of measuring instrument are free to decide whether or not measuring instruments of that certified type are to be marked with the corresponding OIML certificate number.
  - c) The OIML certificate number is not a conformity mark and shall not be presented, indicated or taken to be such.
  - d) The use of the OIML certificate number provides no assurance or indication of conformity to the certified type.
  - e) The use of the OIML certificate number is intended only as a reference to the associated OIML certificate, in order to allow Utilizers, Associates and other interested parties to readily locate the OIML certificate for a measuring instrument which bears the OIML certificate number.
  - f) The use of the OIML and OIML-CS logos remains subject to the rules and requirements of OIML B 20:2019 *Rules for the use of OIML logos*.



**Agenda Item 13.3:**

**OIML Certification System (OIML-CS)**

**Contents**

**Introduction**

**OIML-CS Report (2021)**

**OIML-CS Report (2020)**

**OIML-CS Report (2019)**

**OIML-CS Report (2018)**

**OIML-CS Report (2017)**



**Agenda item 9  
OIML Certification System (OIML-CS)**

**Agenda item 9.1  
Annual report to the CIML by the  
OIML-CS Management Committee Chairperson (2019)**

**Contents**

1. Report by the OIML-CS Management Committee (MC) Chairperson
2. Recommendations for CIML approval

**Annexes**

- Annex A: OIML-CS Certificates registered with the BIML
- Annex B: Summary of OIML Issuing Authorities and their scope
- Annex C: Summary of Test Laboratories and their scope
- Annex D: Summary of Utilizers and Associates
- Annex E: Summary of Management System Experts
- Annex F: Summary of Legal Metrology Experts



## **1 Report of the OIML Certification System (OIML-CS) Management Committee Chairperson**

### **1.1 Activities of the OIML-CS Management Committee, Review Committee and MC Working Groups**

#### **1.1.1 MC Membership**

The following countries are voting members of the OIML-CS Management Committee (MC):

Australia	Belgium	Cambodia	Canada*
Colombia	Cuba	Czech Republic	Denmark
France	Germany	India	Japan
Korea (R.)	Netherlands	New Zealand	P.R. China
Russian Federation	Slovakia	South Africa	Switzerland
United Kingdom	United States		

\* New member since March 2019

#### **1.1.2 Meetings and Working Groups**

The Second OIML-CS Management Committee (MC) Meeting was held on 20-21 March 2019 in Delft, Netherlands. Cock Oosterman (MC Chairperson) chaired the meeting and was attended by 42 participants representing 18 countries and five liaison organisations. Of the 22 voting members of the MC, 21 were represented either at the meeting or by proxy.

Some of the key items discussed at the meeting were:

- Approval of applications for OIML IAs, TLs and experts
- Application of ISO/IEC 17065 for the competence of OIML Issuing Authorities
- Assessment requirements for OIML IAs and TLs
- Certification mark on measuring instruments and limiting the validity of OIML-CS Certificates
- Promotion and awareness raising
- Review of OIML IA annual reports
- OIML scope and transition arrangements
- Use of test data from field-sites for issuing OIML-CS Certificates
- Topics raised by the MG (see below)
- Extension of the transition period for OIML IAs to use self-declaration

A meeting of the Review Committee (RC) was held in conjunction with the MC meeting and took place on 19 March 2019. Harry Stolz (RC Chairperson) chaired the meeting. Ten of the eleven RC members either present or represented by a proxy. Key items discussed at the meeting were:

- Membership, Terms of Reference and Rules of Procedure
- Voting rules
- Operation of the RC

**Addendum 9.1**

2019-07-08

- Information exchange on the reviews of applications
- Recommendations on the approval of applications for OIML IAs, TLs and experts

A meeting of the Maintenance Group (MG), which is responsible for the maintenance and revision of the OIML-CS documentation (B 18, OD-01, OD-02 and PD-01 to PD-08), was held in conjunction with the MC meeting and took place on 19 March 2019. The meeting was chaired by Bill Loizides (MG Chairperson) and was attended by 22 participants. Some of the key items discussed at the meeting were:

- Use of test data from field-sites
- Interpretation on the use of test reports by an OIML IA from a TL of another OIML IA
- MC participation in an amended review/revision process for OIML Recommendations
- Interpretation/clarification of OIML-CS documents

A meeting of the 17065 Working Group was held in conjunction with the MC meeting and took place on 19 March 2019. The meeting was chaired by Alex Winchester and was attended by 14 participants. An update on the activities of the Working Group were provided, and it was agreed that the Working Group would develop proposals on alternative approaches to ISO/IEC 17065 for consideration at the Third MC Meeting in 2020.

The R 60 Gap Analysis Working Group submitted a draft gap analysis document to the Second MC Meeting for consideration. Further work will be conducted by the Working Group to develop a gap analysis that can be used by OIML IAs, TLs and the Review Committee.

At the Second MC Meeting, two new Working Groups were established:

1. Promotion and Awareness Raising Working Group – responsible for identifying promotion and awareness raising activities and develop suitable materials to support these activities
2. Assessment Requirements Working Group – responsible for reviewing the assessment requirements and processes for OIML IAs and TLs

*Note:* The Third MC Meeting and associated events will be held in New Delhi, India during the week commencing 16 March 2020.

### **1.1.3 Changes to OIML-CS Documentation**

#### **1.1.3.1 B 18 *Framework for the OIML Certification System (OIML-CS)***

There are no proposed changes to OIML B 18.

#### **1.1.3.2 Operational Documents (OD-01 and OD-02)**

Proposed changes to the Operational Documents were detailed in the 2018 report. Following an electronic ballot, the MC approved Edition 2 of OD-01 and OD-02 and they were published in December 2018.



**Addendum 9.1**

2019-07-08

**1.1.3.3 Procedural Documents (PD-01 to PD-08)**

Proposed changes to the Procedural Documents were detailed in the 2018 report. Following an electronic ballot, the MC approved Edition 2 of PD-01 to PD-08 and they were published in December 2018.

**1.1.3.4 Clarifications/Interpretations Document**

The MC agreed to the development of a clarifications/interpretations document to enable decisions taken at MC meetings regarding the text in OIML-CS documents to be collated and published. After a period of time the information in the document will be incorporated into new editions of the OIML-CS documents,

**1.2 Categories of measuring instruments and respective Scheme**

The categories of measuring instruments and the respective OIML Recommendations included in the OIML-CS under Scheme A or Scheme B are shown in the table below.

Measuring Instrument Category	Scheme and Transition Date					
	1/1/18	1/1/19	1/7/19	1/1/20	1/7/20	1/1/21
R 60 Load Cells	A	A	A	A	A	A
R 76 Non-Automatic Weighing Instruments	A	A	A	A	A	A
R 49 Water Meters	B	A	A	A	A	A
R 51 Automatic catchweighers	B	B	A	A	A	A
R 117 Liquids other than water	B	B	A	A	A	A
R 46 Active electrical energy meters	B	B	B	A	A	A
R 137 Gas meters	B	B	B	A	A	A
R 61 Automatic gravimetric filling instruments	B	B	B	B	A	A
R 85 Level gauges for stationary storage tanks	B	B	B	B	A	A
R 129 Multi-dimensional measuring instruments	B	B	B	B	A	A
R 21 Taximeters	B	B	B	B	B	A
R 50 Continuous totalizers	B	B	B	B	B	A
R 75 Heat meters	B	B	B	B	B	A
R 99 Vehicle exhaust emissions	B	B	B	B	B	A
R 106 Automatic rail-weighbridges	B	B	B	B	B	A
R 107 Discontinuous totalizers	B	B	B	B	B	A
R 126 Evidential breath analyzers	B	B	B	B	B	A
R 134 Weighing road vehicles in motion	B	B	B	B	B	A
R 139 Compressed gaseous fuel systems for vehicles	B	B	B	B	B	A
R 16 Sphygmomanometer	B	B	B	B	B	A
R 35 Material Measures of Length	B	B	B	B	B	A
R 58 Sound Level Meters	B	B	B	B	B	A
R 59 Moisture meters for cereal grains and oilseeds	B	B	B	B	B	A
R 81 Cryogenic Liquids	B	B	B	B	B	A
R 88 Integrating-averaging Sound Level Meters	B	B	B	B	B	A
R 93 Focimeters	B	B	B	B	B	A
R 102 Sound Calibrators	B	B	B	B	B	A
R 104 Pure-tone Audiometers	B	B	B	B	B	A
R 110 Pressure Balances	B	B	B	B	B	A

**Addendum 9.1**

2019-07-08

Measuring Instrument Category	Scheme and Transition Date					
	1/1/18	1/1/19	1/7/19	1/1/20	1/7/20	1/1/21
R 122 Speech Audiometry	B	B	B	B	B	A
R 128 Ergometers for foot crank work	B	B	B	B	B	A
R 133 Liquid-in-glass thermometers	B	B	B	B	B	A
R 136 Areas of Leather	B	B	B	B	B	A
R 143 Continuous measurement of SO <sub>2</sub> in stationary source emissions	B	B	B	B	B	A
R 144 Continuous measurement of CO, NO <sub>x</sub> in stationary source emissions	B	B	B	B	B	A
R 145 Ophthalmic instruments - Impression and applanation tonometers	B	B	B	B	B	A
R 146 Protein measuring instruments for cereal grains and oilseeds	B	B	B	B	B	A

There are no proposals to include additional instrument categories and their associated recommendations in the OIML-CS. In addition, there are no proposals to amend any transition dates.

### 1.3 Functioning of the OIML-CS

#### 1.3.1 Number of OIML-CS Certificates issued

Information on the OIML-CS Certificates registered with the BIML is shown at Annex A.

#### 1.3.2 Reasons for non-acceptance

Although there has been mention of OIML-CS Certificates not been accepted, the OIML-CS Executive Secretary has not been made aware of specific instances (with evidence) of non-acceptance of OIML-CS Certificates.





## 1.4 OIML Issuing Authorities and Test Laboratories

### 1.4.1 Approvals

Since the 53rd CIML Meeting, the following changes have taken place regarding OIML Issuing Authorities (IAs) and their associated Test Laboratories (TLs) approved under the OIML-CS (*status at 05 July 2019*):

OIML Issuing Authority	Change	Date
CMI (Czech Republic)	Addition of R 49:2013 and R 76:2006 under Scheme A	20 March 2019
FORCE (Denmark)	-	
LNE (France)	-	
METAS (Switzerland)	Addition of Sartorius MTL for R 76:2006 under Scheme A	20 March 2019
NIM (P.R. China)	-	
NMi (Netherlands)	Transition of R 49:2006 and R 49:2013 to Scheme A	16 January 2019
NMIA (Australia)	Addition of R 50:2014 under Scheme B	08 November 2018
NMIJ/AIST (Japan)	-	
NMO (United Kingdom)	-	
PTB (Germany)	Addition of Bizerba MTL for R 76:2006 under Scheme A	13 June 2018
RISE (Sweden)	Addition of R 60:2000, R 60:2017 and R 76:2006 under Scheme A	14 March 2019
SLM (Slovakia)	Transition of R 49:2006 and R 49:2013 to Scheme A	02 July 2019

A summary of the OIML IAs and their scopes can be found at Annex B and a summary of the TLs and their scopes can be found at Annex C.

This information is also provided on the OIML website at:

<https://www.oiml.org/en/oiml-cs/oiml-issuing-authorities>

### 1.4.2 Rejections

The MC has not rejected any applications to be an OIML Issuing Authority or Test Laboratory.

### 1.4.3 Suspensions

The MC has not suspended any OIML Issuing Authorities or Test Laboratories.



#### 1.4.4 Continuing compliance of OIML IAs and their Test Laboratories

In accordance with PD-03, OIML IAs need to demonstrate continued compliance with the requirements for participation in the OIML-CS. Consequently, each of the OIML IAs submitted an annual report on their activities. These annual reports were reviewed at the Second MC Meeting and the MC considered that each of the OIML IAs and their associated TLs fulfilled the requirements for continued participation.

#### 1.5 Utilizers and Associates

There are now 29 Utilizers and Associates participating in the OIML-CS, an increase of six since the 53rd CIML Meeting. Since the 53rd CIML Meeting, the following changes have taken place regarding Utilizers and Associates participating in the OIML-CS (*status at 05 July 2019*):

Country	Change	Date
Australia	-	
Belgium	-	
Cambodia	-	
Canada	-	
Colombia	-	
Cuba	Addition of instrument categories	08 January 2019
Czech Republic	New Utilizer	26 March 2019
Denmark	-	
France	-	
Germany	-	
India	-	
Japan	-	
Kenya	New Utilizer	27 February 2019
Korea (R.)	-	
Latvia	-	
Namibia	-	
Netherlands	-	
New Zealand	-	
P.R. China	Change of Utilizer name from AQSIQ to SAMR	08 January 2019
Russian Federation	New Utilizer	05 March 2019
Saudi Arabia	New Utilizer	02 January 2019
Slovakia	Addition of R 49:2006 and R 49:2013	18 April 2019
South Africa	-	
Sweden	New Utilizer	28 June 2019
Switzerland	-	
Tunisia	New Utilizer	11 February 2019
United Kingdom	-	
United States	-	
Zambia	Addition of acceptance of Scheme B certificates	14 November 2018



A summary of the Utilizers and Associates and their scopes can be found at Annex D.

Some Utilizer and Associates have specified Additional National Requirements (ANRs). Information on the ANRs for these organisations is available on the OIML website at:

<https://www.oiml.org/en/oiml-cs/utilizers-and-associates>

## **1.6 Legal Metrology Experts and Management System Experts**

### **1.6.1 Appointment of experts**

Since the 53rd CIML Meeting, the RC has reviewed and made positive recommendations on the approval of a number of Management System Experts and Legal Metrology Experts. The applications have been approved by the MC, either at the Second MC meeting in March 2019 or by electronic ballot. Applications continue to be received and these will be reviewed by the RC and approved by the MC on a continual basis.

At the beginning of 2019, ILAC circulated a call to its members for nominations for team leaders to participate in peer assessments of TLs, which resulted in the nomination of four Management System Experts. Initial discussions are taking place with ILAC regarding the provision of training for experts and work is taking place with ILAC on the development of a Joint OIML-IAF Assessment Procedure for OIML IAs.

A further call for nominations for additional Legal metrology Experts for the full range of instrument categories under the OIML-CS was circulated to CIML Members and Corresponding Member Representatives.

### **1.6.2 Status and scope of experts**

A summary of the Management System Experts and Legal Metrology Experts that have been approved by the MC is shown at Annex E and Annex F respectively.

*Note:* The lists of experts are now published as ILAC/IAF/OIML experts.

## **1.7 Appeals**

There have been no appeals against decisions of the MC.



## **1.8 Promotional activities**

### **1.8.1 Seminars, workshops and awareness raising activities**

Since the 53rd CIML Meeting, the following activities have been undertaken to promote and raise awareness of the OIML-CS:

- December 2018 - two-day seminar in Abuja, Nigeria. The seminar was organized and funded by UNIDO, and was attended by 20 delegates from the National Measurement Institute and Legal Metrology Department.
- April 2019 – presentation at MeteringChina in Wuxi, China. The OIML-CS was presented to a group of approx. 300 Chinese manufacturers of utility meters (partly in Chinese language).
- April 2019 – one-day workshop in Muscat, Oman. The workshop was held in conjunction with the GULFMET General Assembly and was attended by 20 delegates from Bahrain, Oman, Qatar, Saudi Arabia and UAE.
- April 2019 – update given at the WELMEC Committee meeting.
- April 2019 – update given at the COOMET meeting.
- May 2019 – half-day seminar in Bogota, Colombia. The OIML-CS was presented to SIC staff involved in the utilization of OIML certificates in Colombia, manufacturers in Colombia and other authorities from Colombia, Brazil and Argentina.
- July 2019 – presentation at InterWeighing exhibition in Shanghai, China.
- July 2019 – two and a half day seminar in Hangzhou, China. This event was organised by OIML/APLMF to promote the OIML-CS in the APLMF region.

The OIML-CS is also being promoted by some of the OIML Issuing Authorities during various other events.

### **1.8.2 OIML-CS webpages and promotional materials**

The OIML-CS webpages on the OIML website can be found at:

<https://www.oiml.org/en/oiml-cs>

Webpages provide stakeholders with access to all of the relevant information regarding the OIML-CS. The Promotion and Awareness Raising Working Group are developing a range of promotional materials that can be used by MC members and others when participating in events.

As part of the activity sponsored by UNIDO in Nigeria, an OIML-UNIDO Guidance Document on the OIML-CS has been developed and published at:

<https://www.oiml.org/en/oiml-cs/docs/oiml-unido-guidance-document-on-the-oiml-cs.pdf>

This document can be used by potential participants in the OIML-CS and describes the requirements for participation and the processes to follow.



## **1.9 Finances of the OIML-CS**

Information on the expenditure associated with the development and implementation of the OIML-CS during 2018 and the income from OIML Certificate registration fees is provided under agenda item 6.1 of the 54th CIML Meeting.

## **1.10 Other activities**

### **1.10.1 Liaison activities**

The OIML-CS Executive Secretary has been working with IAF on the development of a Joint IAF-OIML Assessment Procedure to support the accreditation assessments of OIML Issuing Authorities under the OIML-CS. The document is currently being reviewed by the IAF with a view to being approved and published later in 2019.

Following the decision taken at the 53rd CIML Meeting, a Joint OIML-IECEX Working Group (JWG) has been established. As part of the activities of the JWG, the IECEX Executive Secretary provided information to the Second MC Meeting (via video link) on the IECEX processes and procedures for evaluating their certification bodies and test laboratories. It is anticipated that the activities of the JWG will support the work of the Assessment Requirements Working Group.

### **1.10.2 Revision of OIML D 30**

At the 53rd CIML Meeting, the CIML approved the recommendation to move responsibility for OIML D 30 to the MC. A Working Group under the MC has been established to undertake the revision of OIML D 30 (formerly under TC 3/SC 5/p 12). A 1CD has been circulated to the Working Group for comment, and it is planned to submit a Final Draft revision of D 30 for approval at the 55th CIML Meeting in October 2020.

## **1.11 Other items**

### **1.11.1 Extension of the transition period for OIML IAs to use self-declaration for Scheme A**

As mentioned above, the 17065 Working Group will develop proposals on alternative approaches to ISO/IEC 17065 for consideration by the MC at its next meeting in March 2020. If the MC accepts the proposals on alternative approaches, the OIML-CS documentation will need to be updated to implement them. OIML IAs will then require time to adapt their systems if they wish to align with the alternative approaches.

Therefore, to give the OIML IAs the opportunity to implement the requirements of ISO/IEC 17065 or alternative approaches, the MC agreed to extend the transition period for OIML IAs to use self-declaration by an additional two years until the end of 2022.



### **1.11.2 Timescales for developing revisions of Recommendations**

The success of the OIML-CS depends on the availability of internationally recognized OIML Recommendations. Participants in the OIML-CS must rely on Recommendations that meet the current technical standards, so it is important that revisions to Recommendations are completed in a timely manner. The MC has agreed to participate in the periodic review process for Recommendations, and the MC will assist in the identification of needs, requirements and priorities for revision of Recommendations.

### **1.11.3 Certification mark for measuring instruments**

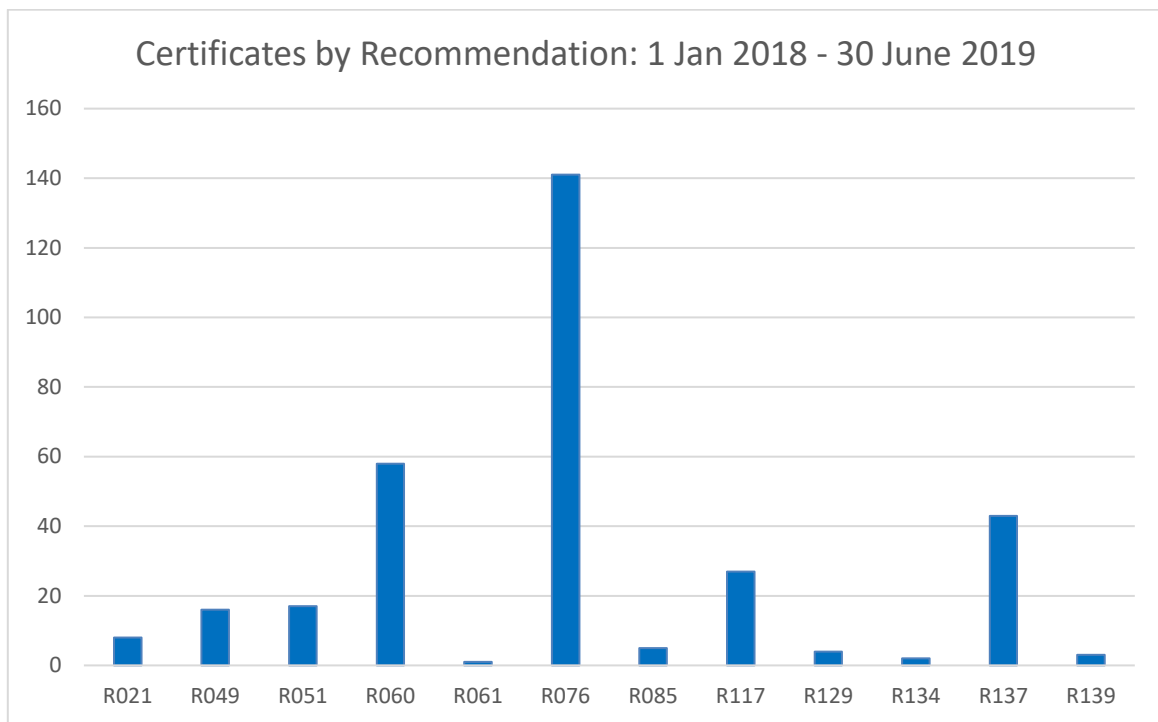
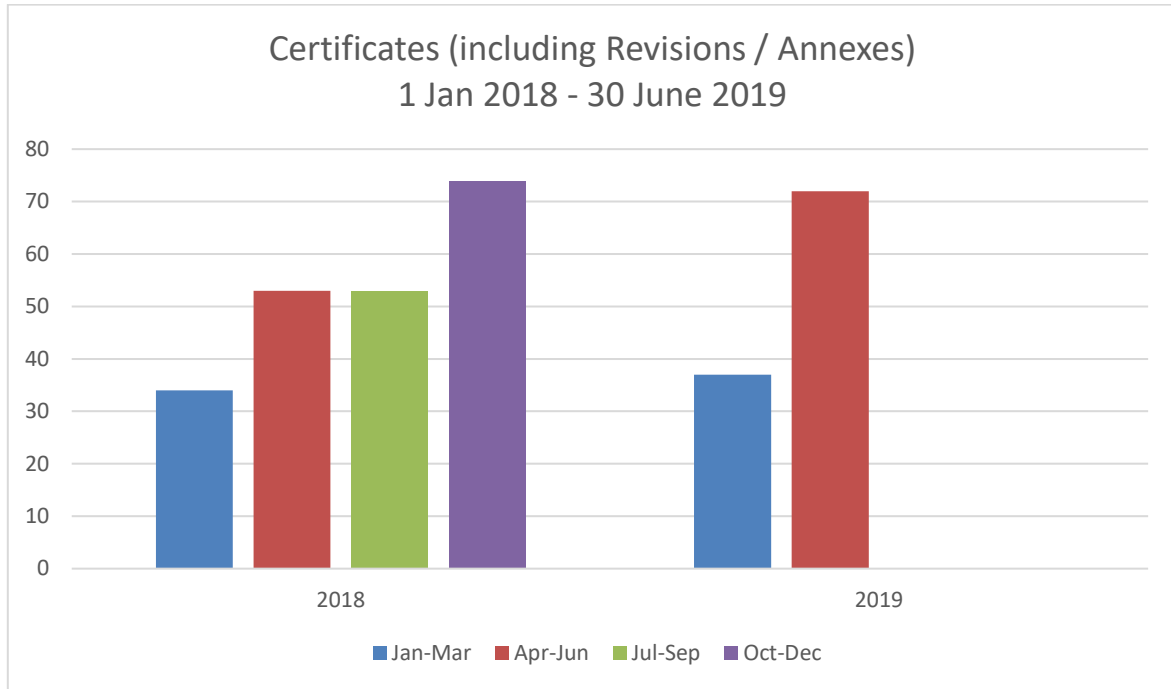
Following a proposal to implement a certification (conformity) mark for measuring instruments, the MC considered that this is linked with the implementation of a Conformity to Type (CTT) system in the OIML-CS. The MC asked the 17065 Working Group to consider the impact of the possible inclusion of Conformity to Type (CTT) in the future, and so the implementation of a certification mark should be put on hold for the time being.

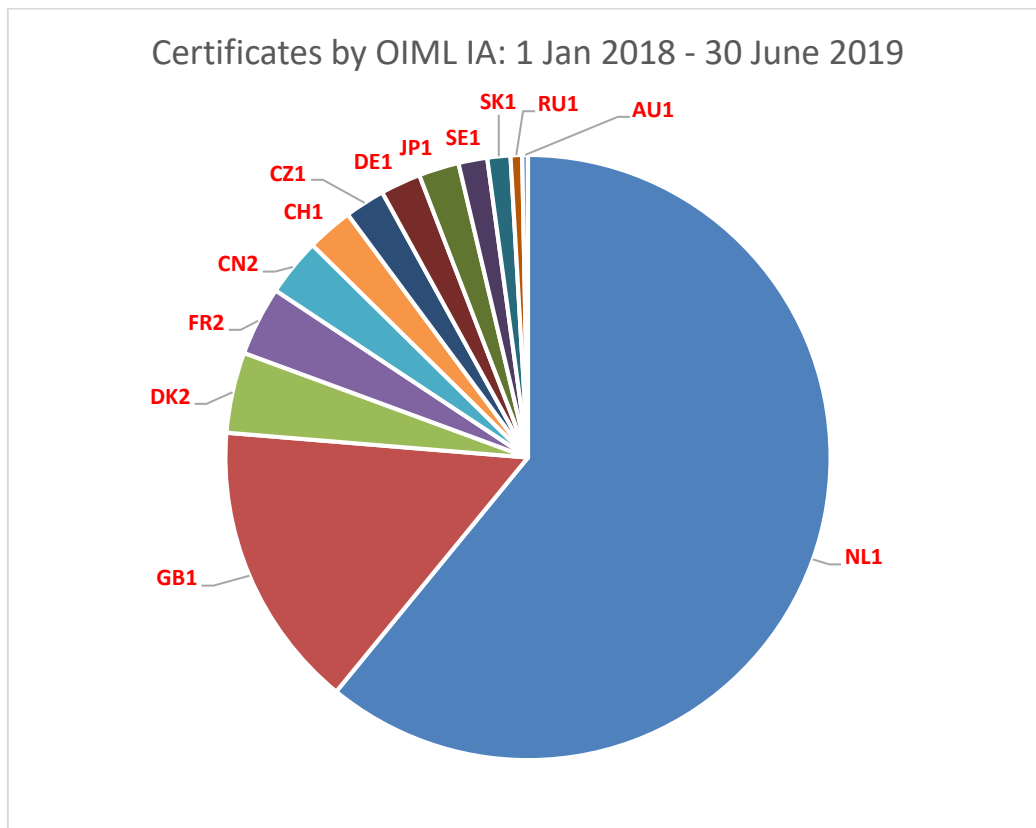
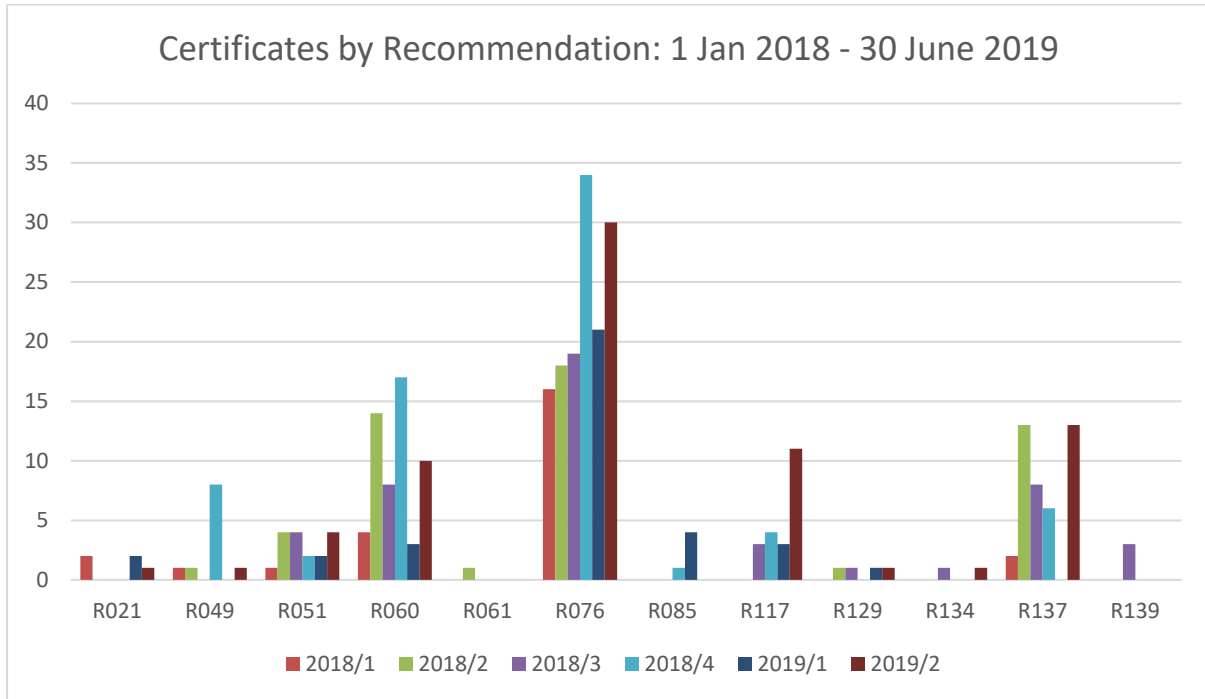
## **2 MC Recommendations for CIML approval**

There are no recommendations from the MC for approval at the 54th CIML Meeting.

## Annexes

### Annex A: OIML-CS Certificates registered with the BIML



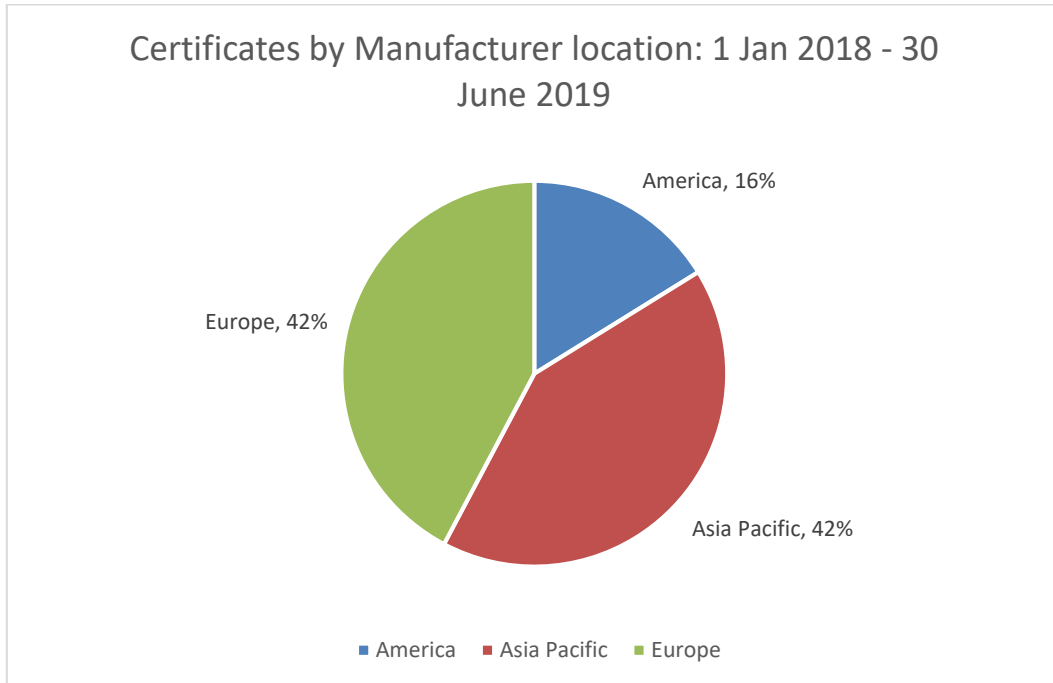






**Addendum 9.1**

2019-07-08





**Annex B: Summary of OIML Issuing Authorities and their scope**

		R 21:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 51:2006	R 60:2000	R 60:2017	R 61:2004	R 61:2017	R 75:2002	R 76:1992	R 76:2006	R 85:2008	R 99:2008	R 106:2011	R 107:2007	R 117:1995	R 117:2007	R 126:1998	R 129:2000	R 134:2006	R 137:2012	R 139:2014	R 139:2018	
AU1	National Measurement Institute Australia (NMIA)					■							■	■													
CH1	Federal Institute of Metrology (METAS)		■			■		■		■				■			■	■			■		■				
CN2	National Institute of Metrology, China (NIM)		■			■		■		■			■	■				■					■	■			
CZ1	Czech Metrology Institute (CMI)				■							■		■	■									■	■		
DE1	Physikalisch-Technische Bundesanstalt (PTB)							■				■		■													
DK2	FORCE Certification A/S					■				■				■			■	■					■	■	■		
FR2	Laboratoire National de Métrologie et d'Essais (LNE)					■		■						■							■						
GB1	NMO	■				■		■		■			■	■	■		■	■					■	■			
JP1	NMIJ/AIST							■					■	■													
NL1	NMi Certin B.V.	■	■	■	■	■		■		■		■	■	■	■	■	■	■			■	■	■	■	■	■	
SE1	Research Institutes of Sweden (RISE)							■	■	■				■	■												
SK1	Slovak Legal Metrology (SLM)			■	■									■													

*Status at 2019-07-08*

**Annex C: Summary of Test Laboratories and their scope**

OIML IA	Test Laboratory	R 21:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 51:2006	R 60:2000	R 60:2017	R 61:2004	R 61:2017	R 75:2002	R 76:1992	R 76:2006	R 85:2008	R 99:2008	R 106:2011	R 107:2007	R 117:1995	R 117:2007	R 126:1998	R 129:2000	R 134:2006	R 137:2012	R 139:2014	R 139:2018	
AU1	National Measurement Institute Australia (NMIA)					■							■	■													
CH1	Federal Institute of Metrology (METAS)		■			■		■		■				■			■	■			■		■				
	Mettler Toledo													■													
	Sartorius													■													
CN2	National Institute of Metrology, China (NIM)					■		■		■			■	■				■					■				
	Beijing Institute of Metrology (BJIM)																							■			
	Shanghai Institute of Measurement and Testing Technology (SIMT)		■																								
	Zhejiang Province Institute of Metrology (ZJIM)		■																								
CZ1	CMI Testing Laboratory	■	■		■	■				■		■	■	■	■		■	■			■			■	■		
	Czech Metrology Institute (CMI)				■							■		■	■									■	■		
DE1	Physikalisch-Technische Bundesanstalt (PTB)							■				■		■													
	Bizerba													■													
	Mettler Toledo													■													
	Sartorius													■													

Status at 2019-07-08



**Addendum 9.1**

2019-07-08

OIML IA	Test Laboratory	R 21:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 51:2006	R 60:2000	R 60:2017	R 61:2004	R 61:2017	R 75:2002	R 76:1992	R 76:2006	R 85:2008	R 99:2008	R 106:2011	R 107:2007	R 117:1995	R 117:2007	R 126:1998	R 129:2000	R 134:2006	R 137:2012	R 139:2014	R 139:2018	
DK2	FORCE (Brøndby)																										
	FORCE (Horsholm)					■				■				■			■	■					■	■			
	FORCE (Vejen)																								■		
FR2	Laboratoire National de Métrologie et d'Essais (LNE)					■		■						■								■					
	ITRON																										
GB1	NMO	■				■		■		■			■	■	■		■	■					■	■			
	AWTX							■						■													
	NSF																										
	Sartorius														■												
JP1	NMIJ/AIST							■					■	■													
NL1	NMi Certin B.V.	■	■	■	■	■		■		■		■	■	■	■	■	■	■				■	■	■	■	■	
SE1	RISE							■	■	■				■	■												
SK1	Slovak Legal Metrology (SLM)			■	■									■													
	EVPU													■													

Status at 2019-07-08



**Annex D: Summary of Utilizers and Associates**

		R 16:2002	R 21:2007	R 35:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 61:2006	R 58:1998	R 59:2016	R 60:2000	R 60:2017	R 61:2004	R 61:2017	R 75:2002	R 76:1992	R 76:2006	R 81:1998	R 85:2008	R 88:1998	R 93:1999
AU	National Measurement Institute, Australia (NMI)					2						2					2	2				
BE	Federal Public Service Economy		3		3		3	3	3			1		3		3		1		3		
CA	Measurement Canada											2				1		2				
CH	Federal Institute of Metrology (METAS)				1	2	2	1	1			2		1		1		2				
CN	State Administration for Market Regulation (SAMR)											2					2	2				
CO	Superintendencia de Industria y Comercio (SIC)		3		3	4	4	3	3			2		3		3	2	2		3		
CU	Oficina Nacional de Normalizacion (NC)	3	3	3	1		1	3	1	3	3	1	1	3	3	3		1	3	3	3	3
CZ	Czech Metrology Institute (CMI)						1											1				
DE	Physikalisch-Technische Bundesanstalt (PTB)						4	3	3			2		3		3		2		3		
DK	FORCE Certification A/S					2	2	1	1			2		1			2	2				
FR	Laboratoire National de Métrologie et d'Essais (LNE)		1		1	1	1	1	1			1		1		1	1	1		1		
GB	NMO Certification		3			4	4	3	3			2		3			2	2		3		
IN	Legal Metrology Division, Department of Consumer Affairs		3		3		4	3	3			2		3		3		2		3		
JP	National Metrology Institute of Japan / National Institute of Advanced Industrial Science and Technology (NMIJ/AIST)											2					2	2				
KE	Weights and Measures Department			3	3	4	4		3			4	4	3	3		4	4		3		
KH	National Metrology Centre (NMC)		3		3	3	3	3	3			1		3		3	1	1		3		
KR	Korea Testing Certification (KTC)																2	2				
LV	LNMC Ltd. Metrology Bureau																					
NA	Namibian Standards Institution				3	4	4	3	3			2		3			4	4		3		
NL	NMI Certin B.V.		3		3	3	4	3	3			2		3		3	1	2		3		
NZ	Trading Standards (Ministry of Business, Innovation and Employment) (MBIE)					4	4	3	3			2					2	2		3		
RU	VNIIMS																					
SA	SASO (Saudi Standards, Metrology and Quality Organization)				3		1						1					1				
SE	RISE Research Institutes of Sweden AB								3			2	1	3				2		3		
SK	Slovak Legal Metrology (SLM)																	2				
TN	National Agency of Metrology (ANM)		3		3	2	2	3	3			2		3			2	2		3		
US	National Conference on Weights and Measures (NCWM)											2										
ZA	NRCS: Legal Metrology					3	3		3			1					1	1		3		
ZM	Zambia Metrology Agency		3		3	3	3	3	3			1		3		3	1	1		3		

Status at 2019-07-08



**Addendum 9.1**

2019-07-08

- 1 = Scheme A only
- 2 = Scheme A and MAA
- 3 = Scheme A and B
- 4 = Scheme A, B and MAA

		R 99:2008	R 102:1992	R 104:1993	R 106:2011	R 107:2007	R 110:1994	R 117:1995	R 117:2007	R 122:1996	R 126:1998	R 128:2000	R 129:2000	R 133:2002	R 134:2006	R 136:2004	R 137:2012	R 139:2014	R 139:2018	R 143:2009	R 144:2013	R 145:2015	R 146:2016
AU	National Measurement Institute, Australia (NMI)																						
BE	Federal Public Service Economy	3			3	3			3				3				3	3					
CA	Measurement Canada																						
CH	Federal Institute of Metrology (METAS)				1	1				1		1		1		1							
CN	State Administration for Market Regulation (SAMR)																						
CO	Superintendencia de Industria y Comercio (SIC)	3			3	3		3	3		3		3		3		3	3					
CU	Oficina Nacional de Normalizacion (NC)	3	3	3	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
CZ	Czech Metrology Institute (CMI)																						
DE	Physikalisch-Technische Bundesanstalt (PTB)				1	3			3				3		1			3					
DK	FORCE Certification A/S				1	1							1		3								
FR	Laboratoire National de Métrologie et d'Essais (LNE)	1			1	1			1	1		1		1		1	1						
GB	NMO Certification				3	3		3	3				3		3								
IN	Legal Metrology Division, Department of Consumer Affairs				1	3			3				3		1		3	3					
JP	National Metrology Institute of Japan / National Institute of Advanced Industrial Science and Technology (NMIJ/AIST)																						
KE	Weights and Measures Department				3			3	3		3				3	3	3	3	3				
KH	National Metrology Centre (NMC)	3			3	3		3	3		3		3		3		3	3					
KR	Korea Testing Certification (KTC)																						
LV	LNMC Ltd. Metrology Bureau										3				3								
NA	Namibian Standards Institution				3	3		3	3		3		3		3								
NL	NMi Certin B.V.	3			3	3		3	3		3		3		3		3	3					
NZ	Trading Standards (Ministry of Business, Innovation and Employment) (MBIE)				3	3		3	3				3		3								
RU	VNIIMS							3	3														
SA	SASO (Saudi Standards, Metrology and Quality Organization)								3														
SE	RISE Research Institutes of Sweden AB							3	3														
SK	Slovak Legal Metrology (SLM)																						
TN	National Agency of Metrology (ANM)	3			3	3		3	3		3		3		3		3	3					
US	National Conference on Weights and Measures (NCWM)																						
ZA	NRCS: Legal Metrology				3	3		3	3		3		3		3		3	3					
ZM	Zambia Metrology Agency	3			3	3		3	3		3		3		3		3	3					

Status at 2019-07-08

**Annex E: Summary of Management System Experts**



**OIML Certification System (OIML-CS) Implementation  
Accreditation in Legal Metrology**

**Management System Experts – Team Leaders (Lead Assessors)**

1. Team Leaders validated by the OIML-CS Management Committee to lead Peer Assessments under the OIML-CS

Team Leader	Country	Peer Assessment Activity	
		Test Laboratory ISO/IEC 17025	OIML Issuing Authority ISO/IEC 17065
COUVREUR, Gulian	CH	✓	✓
STOLZ, Harry	DE	✓	✓
JENSEN, Hans Dalsgaard	DK	✓	
LORENTZEN, Erik Bruun	DK	✓	
AGARWAL, Ashutosh	IN	✓	
VERBEEK, Jos	NL	✓	
BAREL, André	NL	✓	
VERKUIL, Dick	NL	✓	✓
PREMUŠ, Aleksander	SI	✓	✓
KÄLLGREN, Håkan	SE	✓	✓

2. Team Leaders nominated by ILAC/IAF Full Member Accreditation Bodies to lead Peer Assessments under the OIML-CS

Team Leader	Organisation	Peer Assessment Activity	
		Test Laboratory ISO/IEC 17025	OIML Issuing Authority ISO/IEC 17065
ALEXANDER, Helga	IAS	✓	
REZK, Mohamed Adel Ahmed	EGAC	✓	
AN, Ping	CNAS	✓	
DEL PILAR QUIJANO, Rocio	ONAC	✓	

Status at 2019-07-08



**Annex F: Summary of Legal Metrology Experts**



**OIML Certification System (OIML-CS) Implementation  
Accreditation in Legal Metrology  
Legal Metrology Experts**

Legal Metrology Experts validated by the OIML-CS Management Committee to participate in Accreditation and Peer Assessments under the OIML-CS

Expert Name	Country	OIML Recommendation																			Assessment Experience				
		R 16	R 21	R 46	R 49	R 50	R 51	R 60	R 61	R 75	R 76	R 85	R 99	R 106	R 107	R 117	R 126	R 129	R 134	R 137	R 139	ISO/IEC 17025	ISO/IEC 17065		
Petra Milota	AT				✓																		✓	✓	
Yi Chen	AU					✓	✓	✓				✓												✓	
Mario Zamora	AU																✓								
Dirk Bils	BE																						✓	✓	
Gulian Couvreur	CH						✓	✓	✓		✓			✓	✓					✓			✓	✓	
Juan Carlos Mateus Sanchez	BR	✓	✓	✓							✓		✓				✓	✓					✓		
Luciano Bruno Faruolo	BR										✓									✓			✓		
Wang Jian	CN						✓				✓												✓		
Hu Manhong	CN					✓	✓		✓		✓					✓				✓					
Jiang Jile	CN							✓																	
Shi Leibing	CN				✓																				
Yang Jing	CN															✓									
Yang Youtao	CN																					✓			
Zhong Ruilin	CN					✓	✓		✓		✓					✓				✓					
Zhou Shaoyuan	CN				✓																				

Status at 2019-07-08





**Addendum 9.1**

2019-07-08

Expert Name	Country	OIML Recommendation																		Assessment Experience				
		R 16	R 21	R 46	R 49	R 50	R 51	R 60	R 61	R 75	R 76	R 85	R 99	R 106	R 107	R 117	R 126	R 129	R 134	R 137	R 139	ISO/IEC 17025	ISO/IEC 17065	
Miroslava Benkova	CZ				✓											✓							✓	
Ivan Kriz	CZ					✓	✓		✓		✓			✓	✓					✓			✓	
Tomás Valenta	CZ																			✓			✓	✓
Jakub Vacula	CZ															✓							✓	
Timo Schwabe	DE						✓																	
Christophe Brun	FR															✓						✓	✓	
Denis Vogel	FR					✓	✓	✓	✓		✓				✓								✓	
Emeric Morel	FR				✓																		✓	
Luc Lopez*	FR		✓				✓			✓	✓	✓				✓								✓
Reuven Perez	IL				✓																		✓	
Ashutosh Agarwal	IN				✓		✓				✓					✓							✓	
Luico Zotti	IT				✓																		✓	✓
Nobuhiko Azami	JP							✓																
Shinsuke Mikura	JP							✓																✓
Tomohiro Nagano	JP													✓										✓
Satoshi Otani	JP													✓										✓
Takeshi Ito	JP																						✓	
Erik Beumer	NL				✓					✓		✓				✓							✓	
Marc Schmidt	NL																						✓	✓
Marcel Cloo	NL			✓																				✓
Paul van Rooij	NL				✓											✓							✓	
Roy Scholten	NL						✓		✓		✓				✓							✓	✓	
Baris Yilmaz	NL						✓				✓											✓	✓	
Hans Boereboom	NL			✓																				
Paul Kok	NL		✓			✓	✓		✓		✓		✓		✓		✓	✓	✓				✓	✓
Carl Van Wijngaarden	NL																					✓		✓
Aldemar Tjoa	NL			✓	✓		✓				✓				✓		✓		✓				✓	
Mathias Meijer	NL		✓					✓			✓												✓	✓

\* limited to assessments of OIML Issuing Authorities

Status at 2019-07-08



**Addendum 9.1**

2019-07-08

Expert Name	Country	OIML Recommendation																				Assessment Experience		
		R 16	R 21	R 46	R 49	R 50	R 51	R 60	R 61	R 75	R 76	R 85	R 99	R 106	R 107	R 117	R 126	R 129	R 134	R 137	R 139	ISO/IEC 17025	ISO/IEC 17065	
Yvo Vermeul	NL										✓									✓				
Srinivas Bobbala	NZ										✓					✓							✓	
Hakan Källgren	SE					✓	✓	✓	✓		✓				✓	✓							✓	✓
Matej Grum	SI					✓	✓		✓		✓				✓	✓							✓	✓
Aleksander Premuš	SI		✓	✓																			✓	✓
Bülent Aydemir	TR					✓	✓	✓	✓		✓				✓	✓					✓		✓	
Sevda Kaçmaz	TR					✓	✓	✓	✓		✓				✓	✓					✓		✓	
Marek Bokota	UK				✓																		✓	✓
Wei Ji	UK								✓														✓	✓
Gregory Glas	UK		✓				✓				✓												✓	✓
Jaco Hattingh	ZA				✓						✓												✓	

*Status at 2019-07-08*



**Agenda Item 13.3:**

**OIML Certification System (OIML-CS)**

**Contents**

**Introduction**

**OIML-CS Report (2021)**

**OIML-CS Report (2020)**

**OIML-CS Report (2019)**

**OIML-CS Report (2018)**

**OIML-CS Report (2017)**



**Agenda item 11.1**

**OIML Certification System (OIML-CS)**

**Report by the OIML-CS Management Committee Chairperson**

**Contents**

1. Report by the OIML-CS Management Committee (MC) Chairperson
2. Recommendations for CIML approval

**Annexes**

- Annex A: OIML-CS Certificates issued (1 January 2018 – 30 June 2018)
- Annex B: Summary of OIML Issuing Authorities and their scope
- Annex C: Summary of Utilizers and Associates
- Annex D: Summary of Management System Experts
- Annex E: Summary of Legal Metrology Experts



## **1. Report of the OIML Certification System (OIML-CS) Management Committee Chairperson**

### **1.1 Activities of the OIML-CS Management Committee, Review Committee and MC Working Groups (including the Maintenance Group)**

#### **1.1.1 Meetings**

The first OIML-CS Management Committee (MC) meeting was held on 21-22 March 2018 in Sydney, Australia. The meeting was chaired by Cock Oosterman (MC Chairperson) and was attended by 41 participants. All 21 of the voting members were represented, either at the meeting or by proxy. Representatives from ILAC, IAF, IEC, CECIP, CECOD, SIM and WELMEC were also present at the meeting as observers.

Key items discussed at the meeting were:

- Transition arrangements, including transition periods from Scheme B to Scheme A
- Use of “old” test data for issuing OIML-CS Certificates
- Approval of experts
- Application of ISO/IEC 17065 for the competence of OIML Issuing Authorities
- Improvements to the OIML-CS documentation
- Inclusion of additional categories of measuring instrument and their respective OIML Recommendations in the OIML-CS
- OIML Recommendations to have separate type evaluation report and test report formats
- Comparison table (“Gap analysis”) to be developed for revised OIML Recommendations

The MC has made a number of recommendations to the CIML for approval as outlined in Section 2 of this report.

A meeting of the Review Committee (RC) was held in conjunction with the MC meeting and took place on 20 March 2018. The meeting was chaired by Harry Stolz (RC Chairperson) and was attended by eight of the eleven RC members. Key items discussed at the meeting were:

- Membership, Terms of Reference and Rules of Procedure
- Voting rules
- Operation of the RC
- Information exchange on the reviews of applications
- Proposals for changes/improvements to the OIML-CS documentation



## Additional Meeting Document

### 53-CIML-AMD-05

2018-08-23

#### 1.1.2 MC Working Groups

At its second meeting in June 2017, the provisional Management Committee established a Maintenance Group (which is effectively a permanent Working Group) which is responsible for the maintenance and revision of the OIML-CS documentation (B 18, OD-01, OD-02 and PD-01 to PD-08).

A meeting of the Maintenance Group (MG) was held in conjunction with the MC meeting and took place on 20 March 2018. The meeting was chaired by Bill Loizides (MG Chairperson) and was attended by 15 participants. Key items discussed at the meeting were:

- Conditions on the approval of experts
- Transition periods from Scheme B to Scheme A
- Use of ‘old’ test data
- Use/application of ISO/IEC 17065
- Modular approach
- Review of recommendations from the Review Committee meeting

At its first meeting the MC established a further two Working Groups:

1. R 60 Working Group – responsible for developing a comparison table (“gap analysis”) between R 60:2017 and R 60:2000
2. 17065 Working Group – responsible for reviewing the application of ISO/IEC 17065 and identification of possible alternative routes for OIML IAs to demonstrate competence

#### 1.1.3 Changes to OIML-CS Documentation

##### 1.1.3.1 B 18 *Framework for the OIML Certification System (OIML-CS)*

The MG developed a Draft revision of B 18 to implement the decisions taken at its meeting in March 2018. The MG presented the Draft revision of B 18 to the MC for an electronic vote. 100 % of the responses were in favour so the Draft revision of B 18 was accepted by the MC in accordance with the voting rules specified in subclause 11.4.3 of B 18.

The Final Draft revision of B 18 has therefore been submitted for approval at the CIML meeting under agenda item 11.2.1. Key changes that have been implemented in the Final Draft revision are:

- inclusion of an acknowledgement to the IEC for allowing use of their intellectual property,
- clarification of representation on the MC, including identification of the “MC Member” from a country that is eligible to vote, and the inclusion of observers from countries that have expressed a clear intention to participate in the OIML-CS,
- improvement to the wording regarding the inclusion of revised editions of OIML Recommendations in the OIML-CS, and



## Additional Meeting Document

### 53-CIML-AMD-05

2018-08-23

- clarification that when there is an OIML IA under Scheme A the OIML Member State does not need to designate a Utilizer where the particular category of measuring instrument is not regulated in their country.

The MC recommends that the CIML approve the Final Draft revision of B 18.

#### 1.1.3.2 Operational Documents (OD-01 and OD-02)

The MG is developing a revision of OD-01 *Management Committee* to implement the decisions taken at the first MC meeting and to reflect the experience that has been gained from using the document since the launch of the OIML-CS. Key changes that are being implemented in OD-01 are:

- clarification of representation on the MC, including identification of the “MC Member” from a country that is eligible to vote and the inclusion of observers from countries that have expressed a clear intention to participate in the OIML-CS,
- clarification that RC members can contribute to a recommendation on an application from their country but they cannot contribute to a recommendation on an application in which they have participated in the assessment team as an expert,
- documenting the MG as a permanent Working Group,
- including the concept of proxies for RC meetings, and
- removal of the requirement for Legal Metrology Experts to have assessment experience.

A revision of OD-02 *Test Laboratories Forum* is also being developed but the changes are of an editorial nature.

The MC will conduct an electronic vote on the approval of these new versions. When these documents have been approved by the MC they will be published on the OIML website as Edition 2.

#### 1.1.3.3 Procedural Documents (PD-01 to PD-08)

The MG is developing revisions of the Procedural Documents PD-01 to PD-08 to implement the decisions taken at the first MC meeting and to reflect the experience that has been gained from using the documents since the launch of the OIML-CS. Key changes that are being implemented in the revised PDs:

- PD-02 – changes to terminology to reflect the terms now used in B 18, clarification of the process for an LME to change their scope, and a change to allow MC members to be LMEs and/or MSEs,
- PD-03 - changes to terminology to reflect the terms now used in B 18, clarification that the assessment team shall include all of the necessary competencies to conduct the assessment, the removal of superfluous clauses relating to the approval of Utilizers and Associates, and the removal of some duplication,
- PD-04 – inclusion of information relating to the transition to ISO/IEC 17025:2017, changes to terminology to reflect the terms now used in B 18, clarification that the assessment team shall include all of the necessary competencies to conduct the assessment, and the removal of some duplication, and
- PD-07 – changes relating to the use of “old” test data, i.e. test data obtained when issuing an OIML Basic Certificate or OIML MAA Certificate, to issue OIML-CS Certificates under Scheme B

**Additional Meeting Document****53-CIML-AMD-05**

2018-08-23

and Scheme A, allowing (under conditions) test data from a Basic Certificate to be used to issue a Scheme A certificate (this is not permitted in Edition 1), and the extension of the transition period for OIML IAs to demonstrate compliance with ISO/IEC 17065 through accreditation or peer assessment.

The changes to PD-01, PD-05, PD-06 and PD-08 are of an editorial nature.

The MC will conduct an electronic vote on the approval of these new versions. When these documents have been approved by the MC they will be published on the OIML website as Edition 2.

## 1.2 Categories of measuring instruments and respective Scheme

The categories of measuring instruments and the respective OIML Recommendations included in the OIML-CS under Scheme A or Scheme B are shown in the table below.

Measuring Instrument Category	Recommendation	Entry to OIML-CS on 1 January 2018	
		Scheme A	Scheme B
Taximeters	R 21		✓
Active Electrical Energy Meters	R 46		✓
Water Meters	R 49		✓
Continuous Totalisers	R 50		✓
Automatic Catchweighers	R 51		✓
Load cells	R 60	✓	
Automatic Gravimetric Filing Instruments	R 61		✓
Heat Meters	R 75		✓
Non-automatic Weighing Instruments	R 76	✓	
Level Gauges for Stationary Storage Tanks	R 85		✓
Vehicle Exhaust Emissions	R 99		✓
Automatic Rail-weighbridges	R 106		✓
Discontinuous Totalisers	R 107		✓
Liquids other than Water	R 117		✓
Evidential Breath Analysers	R 126		✓
Multi-dimensional Measuring Instruments	R 129		✓
Weighing Road Vehicles in Motion	R 134		✓
Gas Meters	R 137		✓
Compressed Gaseous Fuel systems for Vehicles	R 139		✓

Due to the availability of experts for the assessment of OIML Issuing Authorities and Test Laboratories for the above-mentioned categories of measuring instruments, a decision was taken at the first MC meeting in March 2018 to propose to the CIML to extend a number of the transition periods as follows:





## Additional Meeting Document

### 53-CIML-AMD-05

2018-08-23

- R 49 will transition from Scheme B to Scheme A on 1 January 2019,
- R 51 and R 117 will transition from Scheme B to Scheme A on 1 July 2019,
- R 46 and R 137 will transition from Scheme B to Scheme A on 1 January 2020,
- R 61, R 85 and R 129 will transition from Scheme B to Scheme A on 1 July 2020, and
- R 21, R 50, R 75, R 99, R 106, R 107, R 126, R 134 and R 139 will transition from Scheme B to Scheme A on 1 January 2021.

In addition, a number of OIML Recommendations have been identified for automatic inclusion in the OIML-CS. It is proposed that R 16, R 35, R 58, R 81, R 88, R 93, R 102, R 104, R 110, R 122, R 128, R 133, R 136, R 143, R 144, R 145 and R 146 enter the OIML-CS in Scheme B on 1 January 2019 and transition to Scheme A on 1 January 2021.

The MC proposes that the transition periods from Scheme B to Scheme A be extended and that the additional categories of measuring instrument covered by the OIML Recommendations identified above be included in the OIML-CS. A recommendation has been made to the CIML and this will be considered at the CIML meeting under agenda item 11.2.2.

## 1.3 Functioning of the OIML-CS

### 1.3.1 Number of OIML-CS Certificates issued

Information on the OIML-CS Certificates issued during the period 1 January 2018 – 30 June 2018 is shown at Annex A.

### 1.3.2 Reasons for non-acceptance

The OIML-CS Executive Secretary has not been made aware of any instances of non-acceptance of OIML-CS Certificates.

## 1.4 OIML Issuing Authorities

### 1.4.1 Approvals

Based on the recommendations of the Review Committee, applications to be OIML Issuing Authorities under the OIML-CS from the following organizations have been approved by the MC:

- CMI (Czech Republic)
- FORCE (Denmark)
- LNE (France)
- METAS (Switzerland)
- NIM (P.R. China)
- NMi (Netherlands)
- NMIA (Australia)



- NMIJ/AIST (Japan)
- NMO (United Kingdom)
- PTB (Germany)
- RISE (Sweden)\*
- SLM (Slovakia)

\* awaiting a signed Declaration

Based on recommendations from the Review Committee, corresponding applications for 25 Test Laboratories have also been approved by the MC.

Information on the organizations, their scopes and their Test Laboratories can be found at:

<https://www.oiml.org/en/oiml-cs/oiml-issuing-authorities>

Summary information relating to the OIML Issuing Authorities can be found at Annex B.

### **1.4.2 Rejections**

The MC has not rejected any applications to be an OIML Issuing Authority or Test Laboratory.

### **1.4.3 Suspensions**

The MC has not suspended any OIML Issuing Authorities or Test Laboratories.

### **1.4.4 Continuing compliance of OIML IAs and their Test Laboratories**

As the OIML-CS has been in operation for less than one year there has been no periodic review of continuing compliance.

## **1.5 Utilizers and Associates**

The organizations that have applied to be Utilizers and Associates, and their corresponding scope of acceptance, are shown in Annex C.

The following organizations have specified Additional National Requirements (ANRs):

- Australia
- Belgium
- Canada
- France
- Germany
- India
- Namibia
- Switzerland



- United Kingdom
- United States

Information on the ANRs for each organization is available on the OIML website at:

<https://www.oiml.org/en/oiml-cs/utilizers-and-associates>

## **1.6 Legal Metrology Experts and Management System Experts**

### **1.6.1 Appointment of experts**

The RC has reviewed and made positive recommendations on the approval of eight Management System Experts and over sixty Legal Metrology Experts. The applications have been approved by the MC, either at its meeting in March 2018 or by electronic ballot. Applications continue to be received and these will be reviewed by the RC and approved by the MC on a continual basis.

### **1.6.2 Status and scope of experts**

A summary of the Management System Experts that have been approved by the MC is shown at Annex D.

A summary of the Legal Metrology Experts that have been approved by the MC is shown at Annex E.

Work is being undertaken with ILAC and IAF to publish the list of approved experts as ILAC/IAF/OIML experts.

## **1.7 Appeals**

There have been no appeals against decisions of the MC.

## **1.8 Promotional activities**

### **1.8.1 Seminars and training courses**

Following the successful seminars that were held in Shanghai in June 2017 and Cartagena in October 2017, a training event organized by AFRIMETS was held in Nairobi, Kenya in November 2017 as part of a wider training activity. A further seminar, in association with the AFRIMETS General Assembly, was held in Enugu, Nigeria in July 2018.

An OIML-CS seminar was organized by COOMET in Moscow, Russia in May 2018. Participants from Armenia, Bosnia-Herzegovina, Cuba, Kazakhstan, Kirgizia, Russia, Slovakia, South Africa and Uzbekistan were informed about the operation of the system and how to become OIML Issuing Authority and/or Utilizers.



## Additional Meeting Document

### 53-CIML-AMD-05

2018-08-23

The OIML-CS MC Chairperson and the OIML-CS RC Chairperson participated in a seminar organized by NIM in JingDeZhen, China in March 2018. The purpose of the seminar was to answer questions from members of different provincial institutes that are (or are intending to become) Test Laboratory under NIM.

The OIML-CS Executive Secretary attended the WELMEC WG8 meeting in January 2018, the CECIP General Assembly in June 2018 and will be attending the NoBoMet meeting in September 2018 to provide information to stakeholders in Europe and to promote the OIML-CS.

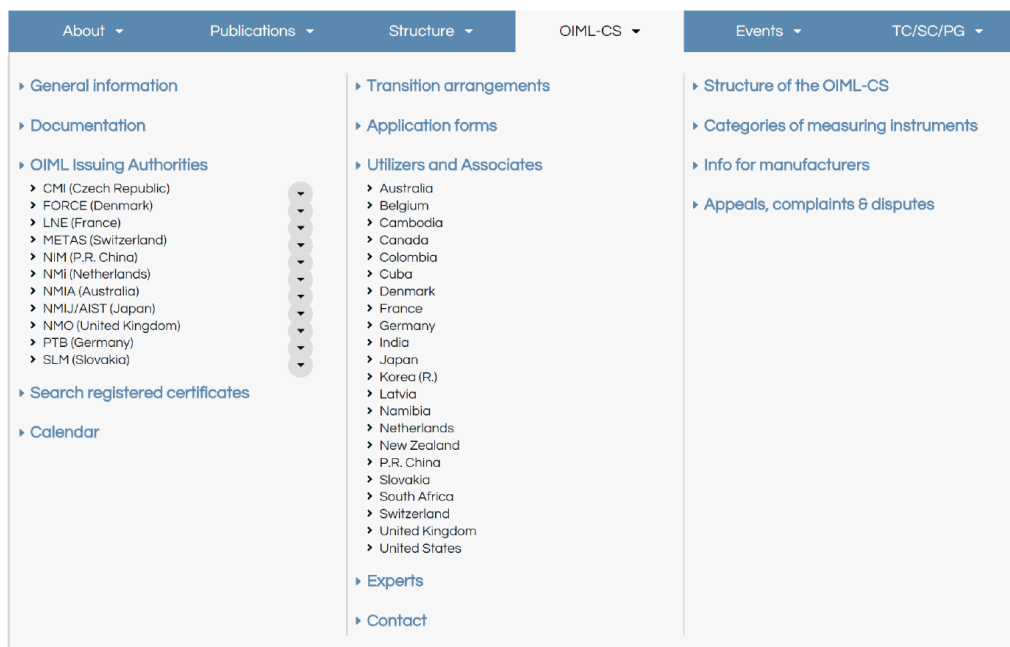
The OIML-CS is also being promoted by some of the OIML Issuing Authorities during various other events.

### 1.8.2 OIML-CS webpages and promotional materials

An OIML-CS section has been implemented on the OIML website at:

<https://www.oiml.org/en/oiml-cs>

A menu structure has been implemented to provide stakeholders with access to all of the relevant information regarding the OIML-CS as shown below.



The MC is developing suitable promotional materials in the form of a brochure/leaflet and will be developing simple guides to support potential participants in and users of the OIML-CS. A 'standard' presentation has also been developed that can be used by speakers at events to promote the OIML-CS.



## **1.9 Finances of the OIML-CS**

Information on the expenditure associated with the development and implementation of the OIML-CS during 2017 and the income from OIML Certificate registration fees is provided under agenda item 8.1.

## **1.10 Other activities**

### **1.10.1 Liaison activities**

The OIML-CS Executive Secretary has been working with ILAC and IAF on the development of Joint Assessment Procedures to support the accreditation assessments of Test Laboratories and OIML Issuing Authorities under the OIML-CS.

A revised Joint ILAC-OIML Assessment Procedure in the field of legal metrology, which relates to the accreditation assessment of Test Laboratories according to ISO/IEC 17025, was published in February 2018.

A Joint IAF-OIML Assessment Procedure in the field of legal metrology, which relates to the accreditation assessment of OIML Issuing Authorities according to ISO/IEC 17065, is currently under development.

### **1.10.2 OIML D 29, D 30 and D xx**

At the MC meeting in March 2018 a proposal to move responsibility for OIML D 29, D 30 and the new OIML D xx *Guide of the application of ISO/IEC 17065 to the assessment of certification bodies in legal metrology* to the OIML-CS MC was considered. The MC agreed to the proposal and a recommendation has been made to the CIML and this will be considered at the CIML meeting under agenda item 11.2.3.

### **1.10.3 Structure of OIML Recommendations**

At the MC meeting in March 2018 a decision was taken to require revisions of OIML Recommendations that are to be included in the OIML-CS include a comparison table (“gap analysis”) to identify the differences between the previous edition and the new edition of the Recommendation. In addition, a proposal that OIML Recommendations in the OIML-CS should contain separate type evaluation report and test report formats was considered. The MC agreed to the proposal and a recommendation has been made to the CIML to change the structure of OIML Recommendations to address these two requirements. This will be considered at the CIML meeting under agenda item 11.2.4.



## **2. MC Recommendations for CIML approval**

The OIML-CS MC recommends that the CIML

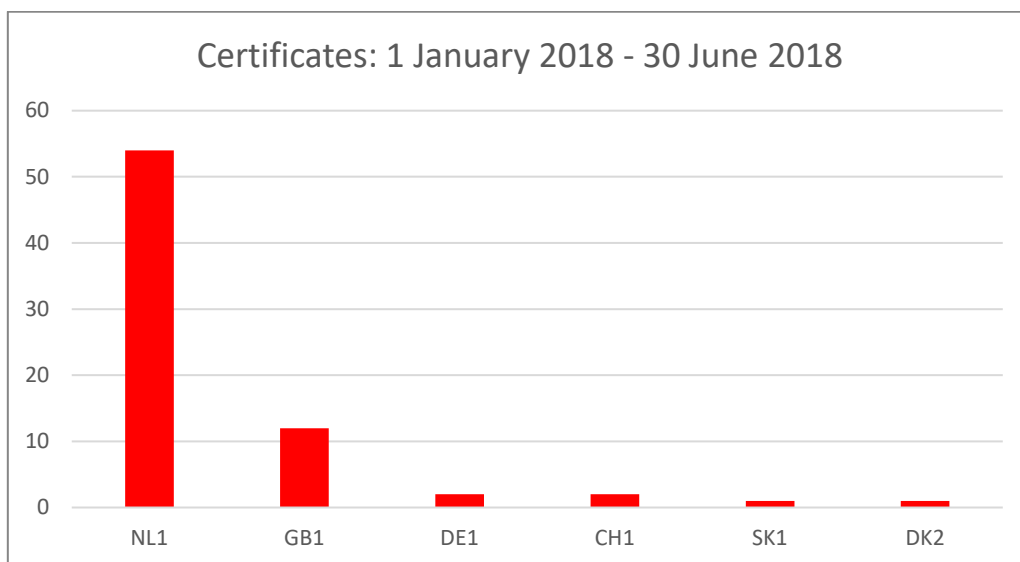
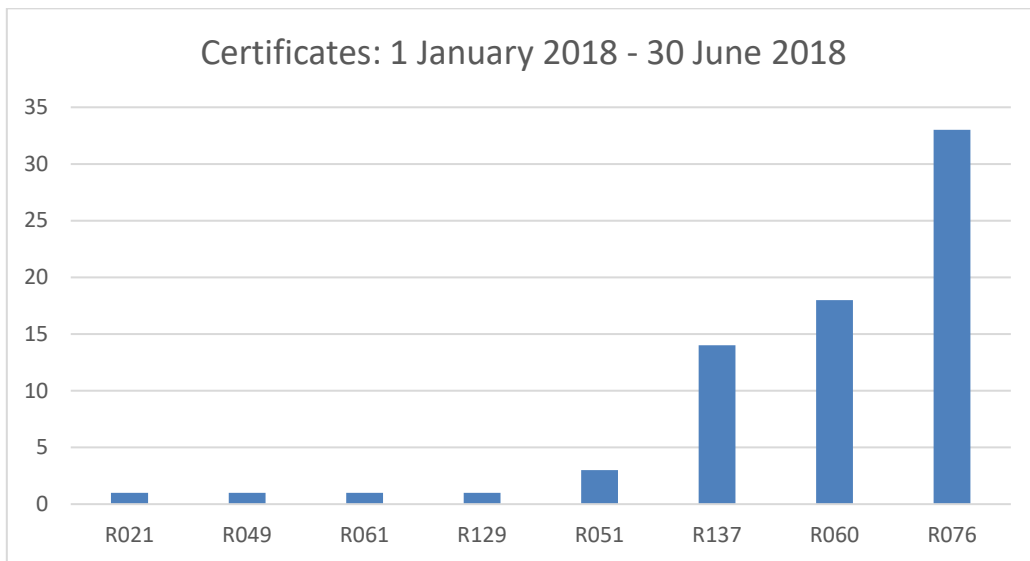
- a) approves the Final Draft revision of B 18 Framework for the OIML Certification System (OIML-CS) (see agenda item 11.2.1 and Draft Resolution 2018/xa),
- b) decides that R 60:2000 and R 61:2004 shall be retained in the OIML-CS (see agenda item 11.2.2 and Draft Resolution 2018/xb),
- c) decides that the transition periods for moving instrument categories from Scheme B to Scheme A shall be as follows: R 49 will transition on 1 January 2019, R 51 and R 117 will transition on 1 July 2019, R 46 and R 137 will transition on 1 January 2020, R 61, R 85 and R 129 will transition on 1 July 2020 and R 21, R 50, R 75, R 99, R 106, R 107, R 126, R 134 and R 139 will transition on 1 January 2021 (see agenda item 11.2.2 and Draft Resolution 2018/xb),
- d) decides that the measuring instrument categories covered by R 16, R 35, R 58, R 81, R 88, R 93, R 102, R 104, R 110, R 122, R 128, R 133, R 136, R 143, R 144, R 145 and R 146 will enter into Scheme B on 1 January 2019 with a transition to Scheme A on 1 January 2021 (see agenda item 11.2.2 and Draft Resolution 2018/xb),
- e) decides that responsibility for D 29, D 30 and D xx Guide for the application of ISO/IEC 17065 to assessment of certification bodies in legal metrology shall move from TC 3/SC 5 to the OIML-CS Management Committee (MC) (see agenda item 11.2.3 and Draft Resolution 2018/xc)  
  
*Note 1:* Project TC 3/SC 5/p 5 (development of D xx Guide for the application of ISO/IEC 17065 to assessment of certification bodies in legal metrology) will be completed under TC 3/SC 5 before responsibility for D xx is moved to the OIML-CS MC,  
  
*Note 2:* Project TC 3/SC 5/p 12 (revision of D 30) shall move to the OIML-CS MC,
- f) decides that when an OIML Recommendation that is included in the OIML-CS is revised, the relevant Project Group shall develop a comparison table (“gap analysis”) that identifies the differences between the previous edition and the new edition of the Recommendation (see agenda item 11.2.4 and Draft Resolution 2018/xd), and
- g) decides that new and revised OIML Recommendations that are to be included in the OIML-CS shall include separate type evaluation report and test report formats (see agenda item 11.2.4 and Draft Resolution 2018/xd).

Approval of these recommendations will take place under agenda item 11.2.



## Annexes

### Annex A: OIML-CS Certificates issued (1 January 2018 – 30 June 2018)

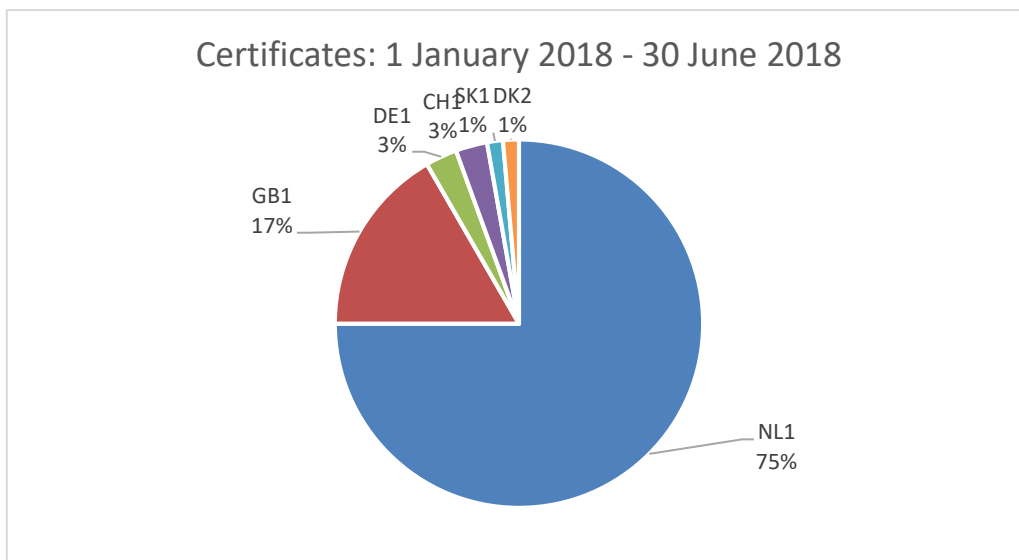
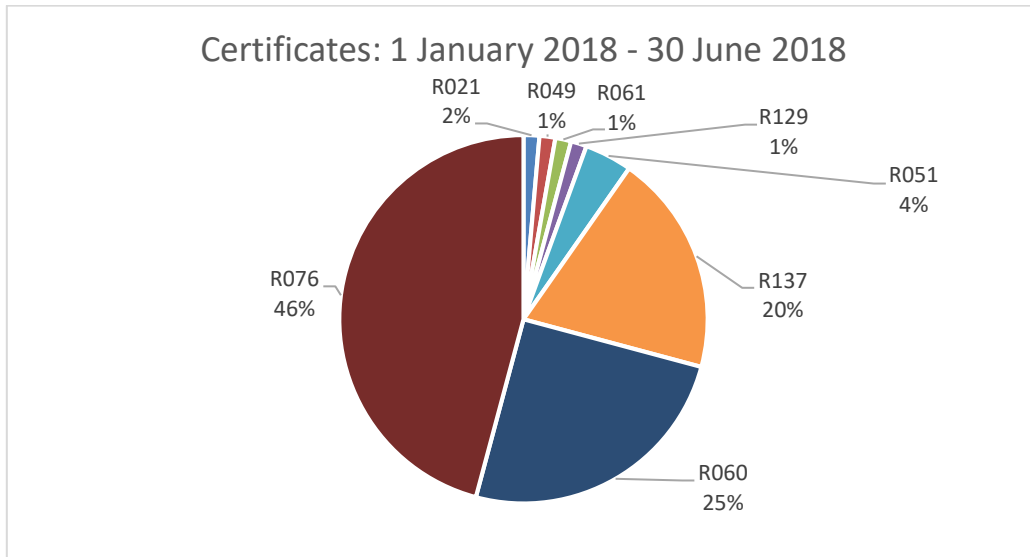




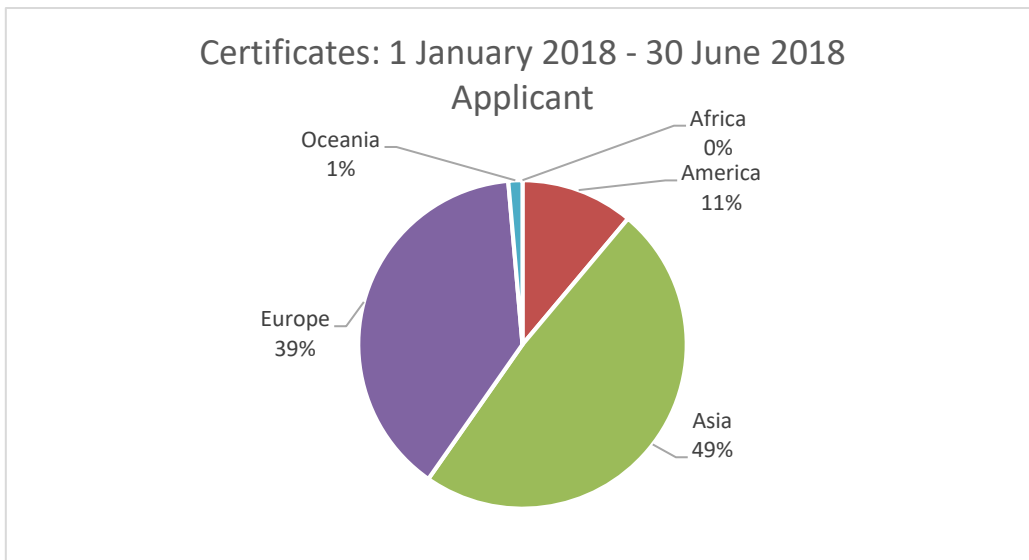
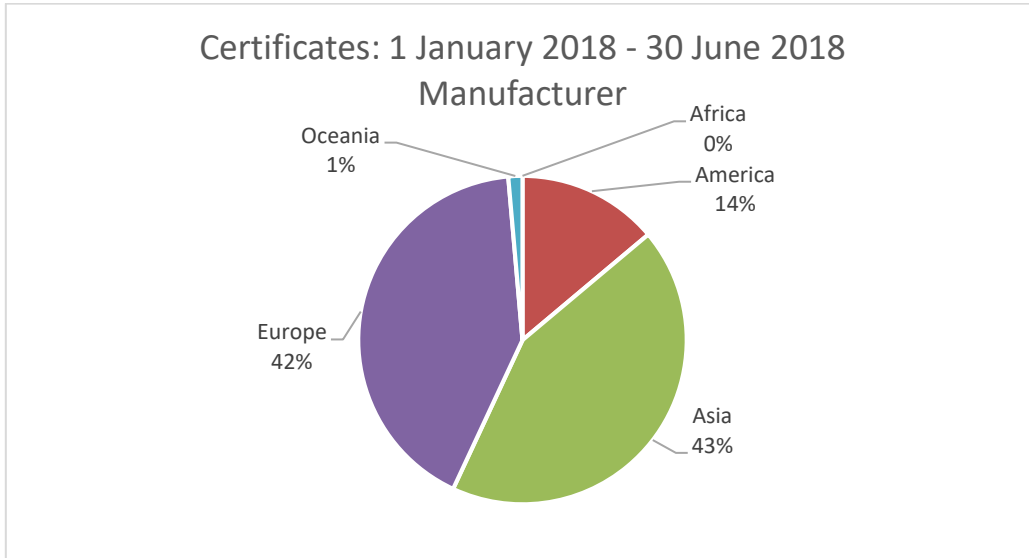
**Additional Meeting Document**

**53-CIML-AMD-05**

2018-08-23









**Annex B: Summary of OIML Issuing Authorities and their scope**

		R 21:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 51:2006	R 60:2000	R 61:2004	R 75:2002	R 76:1992	R 76:2006	R 85:2008	R 99:2008	R 106:2011	R 107:2007	R 117:1995	R 117:2007	R 126:1998	R 129:2000	R 134:2006	R 137:2012	R 139:2014
AU1	National Measurement Institute Australia (NMIA)										■	■											
CH1	Federal Institute of Metrology (METAS)		■			■	■	■	■			■			■	■			■		■		
CN2	National Institute of Metrology, China (NIM)		■			■	■	■	■		■	■				■		■			■	■	
CZ1	Czech Metrology Institute (CMI)			■	■					■			■				■	■				■	■
DE1	Physikalisch-Technische Bundesanstalt (PTB)						■	■		■		■											
DK2	FORCE Certification A/S			■	■	■	■		■			■			■	■				■	■	■	
FR2	Laboratoire National de Métrologie et d'Essais (LNE)			■	■	■	■	■				■							■				
GB1	NMO	■		■	■	■	■	■	■		■	■	■		■	■	■	■		■	■		
JP1	NMIJ/AIST							■			■	■											
NL1	NMi Certin B.V.	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SK1	Slovak Legal Metrology (SLM)			■	■							■											

2018-07-09



**Annex C: Summary of Utilizers and Associates**

- 1 = Scheme A only
- 2 = Scheme A and MAA
- 3 = Scheme A and B
- 4 = Scheme A, B and MAA

		R 21:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 51:2006	R 60:2000	R 61:2004	R 75:2002	R 76:1992	R 76:2006	R 85:2008	R 99:2008	R 106:2011	R 107:2007	R 117:1995	R 117:2007	R 126:1998	R 129:2000	R 134:2006	R 137:2012	R 139:2014
AU	National Measurement Institute, Australia (NMIA)				2			2			2	2											
BE	Federal Public Service Economy	3	3		3	3	3	1	3	3		1	3	3	3	3		3		3		3	3
CA	Measurement Canada							2		1		2											
CH	Federal Institute of Metrology (METAS)		1	2	2	1	1	2	1	1		2			1	1			1	1	1	1	
CN	National Institute of Metrology, China (NIM)							2			2	2											
CO	Superintendencia de Industria y Comercio (SIC)	3	3	4	4	3	3	2	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3
CU	National Bureau of Standardization (NBS)	3	3	3	3	3	3	2	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3
DE	Physikalisch-Technische Bundesanstalt (PTB)				4	3	3	2	3	3		2	3		1	3		3		3	1		3
DK	FORCE Certification A/S			2	2	1	1	2	1		2	2			1	1				1	3		
FR	Laboratoire National de Métrologie et d'Essais (LNE)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
GB	NMO Certification	3		4	4	3	3	2	3		2	2	3		3	3	3	3		3	3		
IN	Legal Metrology Division, Department of Consumer Affairs	3	3		4	3	3	2	3	3		2	3		1	3		3		3	1	3	3
JP	National Metrology Institute of Japan / National Institute of Advanced Industrial Science and Technology (NMIJ/AIST)							2			2	2											
KH	National Metrology Centre (NMC)	3	3	3	3	3	3	1	3	3	1	1	3	3	3	3	3	3	3	3	3	3	3
KR	Korea Testing Certification (KTC)										2	2											
LV	LNMC Ltd. Metrology Bureau																		3		3		
NA	Namibian Standards Institution		3	4	4	3	3	2	3		4	4	3		3	3	3	3	3	3	3		



**Additional Meeting Document**

**53-CIML-AMD-05**

2018-08-23

1 = Scheme A only 2 = Scheme A and MAA 3 = Scheme A and B 4 = Scheme A, B and MAA		R 21:2007	R 46:2012	R 49:2006	R 49:2013	R 50:2014	R 51:2006	R 60:2000	R 61:2004	R 75:2002	R 76:1992	R 76:2006	R 85:2008	R 99:2008	R 106:2011	R 107:2007	R 117:1995	R 117:2007	R 126:1998	R 129:2000	R 134:2006	R 137:2012	R 139:2014
NL	NMi Certin B.V.	3	3	3	4	3	3	2	3	3	1	2	3	3	3	3	3	3	3	3	3	3	3
NZ	Trading Standards (Ministry of Business, Innovation and Employment) (MBIE)			4	4	3	3	2			2	2	3		3	3	3	3		3	3		
SK	Slovak Legal Metrology (SLM)											2											
US	National Conference on Weights and Measures (NCWM)							2															
ZA	NRCS: Legal Metrology			3	3		3	1			1	1	3		3	3	3	3	3	3	3	3	3

2018-05-01

**Additional Meeting Document****53-CIML-AMD-05**

2018-08-23

**Annex D: Summary of Management System Experts**

Expert Name	Country	Peer Assessment Activity	
		Test Laboratories ISO/IEC 17025	OIML Issuing Authorities ISO/IEC 17065
Gulian Couvreur	CH	✓	✓
Hans Dalsgaard Jensen	DK	✓	
Erik Bruun Lorentzen	DK	✓	
Jos Verbeek	NL	✓	
André Barel	NL	✓	
Dick Verkuil	NL	✓	✓
Aleksander Premuš	SI	✓	✓
Håkan Källgren	SE	✓	✓

2018-06-29



**Annex E: Summary of Legal Metrology Experts**

Expert Name	Country	OIML Recommendation																		Assessment Experience			
		R 21	R 46	R 49	R 50	R 51	R 60	R 61	R 75	R 76	R 85	R 99	R 106	R 107	R 117	R 126	R 129	R 134	R 137	R 139	ISO/IEC 17025	ISO/IEC 17065	
Petra Milota	AT			✓																	✓	✓	
Yi Chen	AU				✓	✓	✓					✓										✓	
Mario Zamora	AU																						
Dirk Bils	BE																				✓		
Gulian Couvreur	CH					✓	✓	✓				✓		✓					✓			✓	✓
Jian Wang	CN					✓						✓										✓	
JianLiang Zhao	CN			✓																		✓	
Chao Chen	CN			✓																		✓	
Zhiqiang Han	CN		✓																				
Yichao He	CN																					✓	
Gang Hu	CN							✓															
Man Hong Hu	CN				✓	✓		✓				✓								✓			
Jile Jiang	CN							✓															
Chen Li	CN			✓																			
Chunhui Li	CN																					✓	
Binghui Ma	CN											✓											
XiaoHui Mao	CN											✓											
Qi Pan	CN																					✓	
Xiaoxiao Peng	CN		✓																				
Leibing Shi	CN		✓																				
Yi Su	CN						✓					✓											
Can Wang	CN																					✓	
Lei Wang	CN		✓																				
Jing Yang	CN																					✓	
Youtao Yang	CN																					✓	
Jianzhong Zheng	CN		✓																				
Ruilin Zhong	CN				✓	✓		✓				✓								✓			
Bihong Zhou	CN		✓																				
Shaoyuan Zhou	CN		✓																				

2018-07-02



Additional Meeting Document

53-CIML-AMD-05

2018-08-23

Expert Name	Country	OIML Recommendation																	Assessment Experience				
		R 21	R 46	R 49	R 50	R 51	R 60	R 61	R 75	R 76	R 85	R 99	R 106	R 107	R 117	R 126	R 129	R 134	R 137	R 139	ISO/IEC 17025	ISO/IEC 17065	
Miroslava Benkova	CZ			✓										✓								✓	
Ivan Kriz	CZ				✓	✓		✓		✓			✓	✓					✓			✓	
Tomás Valenta	CZ																		✓			✓	✓
Jakub Vacula	CZ													✓								✓	
Timo Schwabe	DE				✓																		
Christophe Brun	FR													✓							✓	✓	
Denis Vogel	FR				✓	✓	✓	✓		✓			✓									✓	
Emeric Morel	FR			✓																		✓	
Reuven Perez	IL			✓																		✓	
Nobuhiko Azami	JP						✓																
Shinsuke Mikura	JP						✓															✓	
Tomohiro Nagano	JP											✓										✓	
Satoshi Otani	JP											✓										✓	
Takeshi Ito	JP														✓							✓	
Erik Beumer	NL			✓				✓		✓				✓								✓	
Marc Schmidt	NL													✓							✓	✓	
Marcel Cloo	NL		✓																			✓	
Paul van Rooij	NL			✓										✓								✓	
Roy Scholten	NL					✓		✓		✓			✓				✓					✓	
Baris Yilmaz	NL					✓				✓							✓					✓	✓
Hans Boereboom	NL		✓																				
Paul Kok	NL	✓			✓	✓		✓		✓		✓			✓	✓	✓					✓	✓
Carl Van Wijngaarden	NL																			✓		✓	
Aldemar Tjoa	NL		✓	✓		✓				✓				✓		✓			✓			✓	
Mathias Meijer	NL	✓					✓			✓												✓	✓
Srinivas Bobbala	NZ									✓				✓								✓	
Hakan Källgren	SE				✓	✓	✓	✓		✓			✓	✓								✓	✓
Matej Grum	SI				✓	✓		✓		✓			✓	✓								✓	✓
Aleksander Premuš	SI	✓	✓																			✓	✓
Sevda Kacmaz	TR				✓	✓	✓	✓		✓			✓	✓					✓			✓	✓
Marek Bokota	UK			✓																		✓	✓
Wei Ji	UK						✓															✓	✓
Gregory Glas	UK	✓				✓				✓												✓	✓

2018-07-02



**Agenda Item 13.3:**

**OIML Certification System (OIML-CS)**

**Contents**

**Introduction**

**OIML-CS Report (2021)**

**OIML-CS Report (2020)**

**OIML-CS Report (2019)**

**OIML-CS Report (2018)**

**OIML-CS Report (2017)**





## **Agenda item 14.1**

### **OIML Certification System (OIML-CS)**

#### **Report of the provisional Management Committee**

##### **Contents**

1. Report of the OIML-CS provisional Management Committee (prMC)
2. Proposals and recommendations for CIML approval

##### **Annexes**

- |          |  |
|----------|--|
| Annex A: | CIML Resolutions 2016/16 and 2016/17   |
| Annex B: | New OIML-CS Structure within the OIML structure                                |
| Annex C: | New OIML-CS Document Structure   |
| Annex D: | Results of voting on ODs and PDs   |
| Annex E: | Section 4.2.5 of OD-01   |
| Annex F: | Extract from section 4.2 of PD-01  |
| Annex G: | Draft CIML Resolutions 2017/xa, 2017/xb, 2017/xc, 2017/xd, 2017/xe and 2017/xf |



## **1. Report of the OIML Certification System (OIML-CS) provisional Management Committee (prMC)**

### **1.1 Introduction**

CIML Resolution 2016/16 approved the Final Draft Basic Publication B xx, which was subsequently published as OIML B 18:2016 *Framework for the OIML Certification System (OIML-CS)*. CIML Resolution 2016/16 also instructed the BIML and participants in the existing Basic Certificate System and OIML Mutual Acceptance arrangement (MAA) to continue to operate these systems and to fulfil their obligations respectively until the OIML-CS becomes operational.

CIML Resolution 2016/17 established a provisional Management Committee (prMC), to be chaired by the CIML First Vice-President, with the authority to act as the Management Committee for the purposes of approving OIML-CS Operational Documents, Procedural Documents, Guidance Documents, Template and Forms. The prMC was also requested to identify potential improvements and amendments to OIML B 18 for consideration at the 52<sup>nd</sup> CIML Meeting in 2017, and to take appropriate actions so that the OIML-CS may become effective 1 January 2018.

The CIML Resolutions 2016/16 and 2016/17 are reproduced in **Annex A**.

In accordance with CIML Resolution No. 2016/17, the prMC was established in November 2016. Nominations for participation in the prMC were received from the following OIML Member States:

Australia, China (P.R.), Czech Republic, Denmark\*, France, Germany, India, Japan, Korea (R.), Netherlands, New Zealand, Poland, Russian Federation, Slovakia, South Africa\*, Switzerland, Tunisia, United Kingdom, United States and Viet Nam.

\* Denmark and South Africa joined the prMC in June 2017 to bring the membership to 20 OIML Member States.

Nominations were also received from CECIP and the IEC to participate in the prMC as observers.

As the new OIML-CS is not yet operational this report follows the specifications for the annual report according to OIML-CS Operational Document OD-01 "Management Committee" as far as applicable.

### **1.2 Meetings of the prMC**

The prMC has met twice; the first meeting was held on 14 - 16 February 2017 at the PTB, Berlin, Germany and the second meeting was held on 13 - 14 June 2017 at the Sofitel Shanghai Sheshan Oriental, Shanghai, P.R. China.

The first meeting was attended by representatives from 11 OIML Member States and CECIP as observers, with the second meeting attended by representatives from 14 OIML Member States,



CECIP as observers, along with representatives from Indonesia, Iran, Cambodia and Philippines as observers.

### **1.3 Activities of the prMC**

In accordance with CIML Resolution No. 2016/17 the prMC has focussed its attention on a range of key activities including, but not limited to:

- Identifying improvements and amendments to OIML B 18:2016 Framework for the OIML Certification System (OIML-CS) for consideration by the CIML.
- Developing and approving the Operational and Procedural Documents that underpin OIML B 18.
- Developing the various templates and forms to support potential users to participate in the OIML-CS.
- Agreeing transitional arrangements, including rules on the use of existing OIML Certificates and test data issued under the OIML Basic Certificate System and OIML MAA to issue OIML Certificates under the OIML-CS.
- Confirming the measuring instrument categories that will be included in the OIML-CS on 1 January 2018 and the Scheme that they will be in (Scheme A or Scheme B).
- Identifying opportunities for promotion and awareness raising activities, including the delivery of a Seminar on the OIML-CS in Shanghai, P. R. China on 15 June 2017.
- Developing and agreeing proposals for the development of the OIML-CS website.
- Preparing and agreeing the processes and procedures for the approval of Legal Metrology experts and Quality Management System experts (lead assessors) to participate in accreditation and peer assessments.
- Working with the IAF and ILAC on the development of Joint Assessment Procedures for the assessment of OIML Issuing Authorities (ISO/IEC 17065) and Test Laboratories (ISO/IEC 17025) respectively.

The prMC is continuing to undertake the necessary work throughout the remainder of 2017 to ensure that the OIML-CS may become operational on 1 January 2018.

### **1.4 Revision of OIML B 18:2016**

In accordance with CIML Resolution No. 2016/17, the prMC has identified a number of improvements and amendments to OIML B 18:2016.

#### **1.4.1 OIML-CS Structure**

In reviewing OIML B 18:2016 and developing the Operational and Procedural Documents, a number of concerns regarding the Advisory Panel were identified:

- It would be difficult to identify potential experts to participate in the Advisory Panel as it was felt that potential experts would either be members of the MC or would be Legal Metrology experts.



## Addendum 14.1

2017-07-10

- Experts would be required to cover a wide range of instrument categories; for some instrument categories the number could be limited, thus potentially requiring different and complicated rules regarding the quorum when making a recommendation to the MC for each category of measuring instrument.
- Having a separate Advisory Panel added an additional layer of bureaucracy to the OIML-CS.

To address these concerns, a proposal was developed to remove the Advisory Panel from the OIML-CS structure and to create a Review Committee (RC) which would be a sub-committee of the Management Committee. The new structure proposed for the OIML-CS is shown in **Annex B**.

It is proposed that the RC will comprise at least six members with the requisite knowledge, nominated from amongst the MC Members, with a Chairperson appointed by the MC. The RC will be tasked with making recommendations to the MC on the approval, re-approval and suspension of OIML Issuing Authorities and their Test Laboratories and the approval of Legal Metrology experts and lead assessors.

### 1.4.2 Other key improvements and amendments

In addition to revising OIML B 18 to reflect the change to the OIML-CS structure outlined in 1.4.1, it is proposed that the Terminology that was originally included (and duplicated) in each of the Operational and Procedural Documents should instead be included in OIML B 18. The aim of this is to have all Terminology associated with the OIML-CS located in a single document to ensure that inconsistency and duplication is avoided.

Another key change that is proposed is a modification to the text in section 5.3 of the Final Draft revision of OIML B 18 to address the situation that when an OIML Issuing Authority is accepted into the OIML-CS under Scheme A the OIML Member State shall designate at least one Utilizer for that category of measuring instrument. This change is proposed to correct the previous text which stated that an OIML Issuing Authority under Scheme A will automatically become a Utilizer for that category of measuring instrument. Although that may generally be the case, in some instances the Utilizer (national issuing authority) in a country will be different organization than the OIML Issuing Authority.

A change is also proposed in section 11.1 c) and d) of the Final Draft revision of OIML B 18 to specify that the Chairperson and Deputy Chairperson of the MC can only be nominated from amongst the MC members from OIML Member States.

Other editorial changes have been proposed to correct editorial errors and to ensure consistency with the Operational and Procedural Documents that have been developed.

### 1.4.3 prMC approval of the revision of B 18

The proposed modifications were incorporated into a revised version of OIML B 18. The Final Draft of the revision of OIML B 18 was voted on and approved by the prMC at the prMC meeting in June 2017. A summary of prMC ballot on the revised version of OIML B 18, including a collation of the



2017-07-10

prMC comments with agreed observations, and the ‘clean’ and ‘marked’ versions of the Final Draft revision of OIML B 18 Framework for the OIML Certification System (OIML-CS) have been posted to the CIML meeting web site at: <http://cartagena.oiml.org/ciml.html#drafts>.

With the Final Draft revision approved by the prMC, in accordance with CIML Resolution No. 2016/17 and section 9 d) of the Final Draft revision of OIML B 18 the prMC is recommending that the CIML approve the Final Draft revision of OIML B 18 (under CIML agenda item 14.2).

## 1.5 Operational and Procedural Documents

### 1.5.1 Document Structure

In accordance with CIML Resolution No. 2016/17 the prMC has developed the range of Operational and Procedural Documents to underpin OIML B 18. To address the proposed change to the OIML-CS structure (see 1.4.1 above), there are now only two Operational Documents; OD-01 for the Management Committee (MC) and OD-02 for the Test Laboratories Forum (TLF). The Operational Documents specify the operating rules for the MC and the TLF and the requirements for the RC have been included in OD-01 rather than in a separate Operational Document.

The Operational Documents are underpinned by eight Procedural Documents which specify the detailed procedures for the OIML-CS, including but not limited to the Board of Appeal, appointing Legal Metrology experts and QMS experts (lead assessors), approving OIML Issuing Authorities and their Test Laboratories, transitional arrangements under the OIML-CS and the issuing of OIML Certificates and OIML type evaluation reports.

An updated document structure is shown in **Annex C**.

### 1.5.2 Development and prMC approval of the ODs and PDs

The prMC continued the development of the Working Drafts of the Operational and Procedural Documents, with new versions of each document produced. The prMC members provided comments on the Working Drafts and these were discussed at the first prMC meeting in February 2017. Based on the agreed observations to the comments that were received, new versions of each document were produced and distributed to the prMC members for review and comment. A further revision of some of the Working Drafts was produced based on feedback on the transitional arrangements in PD-07 and to correct some inconsistencies and editorial errors. Comments on the updated Working Drafts were discussed at the second prMC meeting in June 2017 and a set of agreed observations was developed. The documents were amended during the prMC meeting to address the agreed observations and a vote on the approval of the Final Draft of each document was conducted at the meeting.

Each document - OD-01, OD-02 and PD-01 to PD-08 - was formally approved by the prMC. The results of voting can be found in **Annex D**. Following a final review by the prMC members for any



editorial changes, the Operational and Procedural Documents have been published on the OIML website at:

<https://www.oiml.org/en/certificates/oiml-cs/documentation>

A Maintenance Group was established at the second prMC meeting which has been tasked with reviewing the OIML-CS documentation with a view to proposing improvements/amendments to the OIML-CS documentation to the prMC for approval.

## **1.6 Development of Templates, Forms and Guidance**

With the Operational and Procedural Documents approved, work has continued on the development of the various templates, forms and guidance notes that will support the effective operation of the OIML-CS. When the templates, forms and guidance notes have been developed they will be trialed by a small Working Group within the MC and will then be published on the OIML website. Formal approval of the templates and forms will take place either by electronic balloting or at the first MC meeting which is scheduled for March 2018 (see below).

## **1.7 Other Activities**

In addition to finalizing the various templates, forms and guidance notes, the prMC will continue to undertake all necessary steps to ensure that the OIML-CS becomes operational on 1 January 2018. This will include the review and approval of the nominations for Legal Metrology experts and QMS experts (lead assessors) that will take part in accreditation and peer assessment of potential OIML Issuing Authorities and their Test Laboratories.

The prMC will also review and approve applications from potential OIML Issuing Authorities and their Test Laboratories to ensure that OIML Certificates and OIML type evaluation reports can be issued from 1 January 2018. The transitional arrangements to the OIML-CS are described in section 1.8 below.

It is important that stakeholders in the OIML-CS (manufacturers, potential OIML Issuing Authorities, Utilizers and Associates) are aware of the new system and the requirements that they will have to fulfil to participate. A seminar on the OIML-CS was held in conjunction with the second prMC meeting in Shanghai in June 2017 as part of an OIML Pilot Training Center, and an OIML-CS seminar will be held in conjunction with the CIML meeting in Cartagena in October 2017. The prMC will identify other potential opportunities to promote and raise awareness, working closely with the RLMOs.

A “temporary” OIML-CS area has been established on the OIML website whilst a full OIML-CS website (to be located on the OIML website) is developed. Work will be undertaken by the BIML to implement the OIML-CS website in accordance with a proposal approved by the prMC. A facility for the registering and invoicing of certificates has already been implemented and this will provide a



search facility for all OIML Certificates (Basic, OIML, Scheme B and Scheme B). The full OIML-CS website will be available on the OIML website before the end of 2017.

## **1.8 Transitional arrangements**

At the second prMC meeting the prMC approved the transitional arrangements to the OIML-CS. The transitional arrangements are documented in Procedural Document PD-07 at:

<https://www.oiml.org/en/certificates/oiml-cs/documentation>

A summary of the key elements is provided below.

### **1.8.1 OIML Issuing Authorities and Test Laboratories**

Existing Issuing Authorities under the OIML Basic Certificate System and Issuing Participants under the OIML MAA will need to apply to become OIML Issuing Authorities under the OIML-CS; there will be no automatic transition from the existing systems to the OIML-CS.

Existing Issuing Participants under the MAA will not have to undergo a re-evaluation of competence of their Test Laboratories against ISO/IEC 17025. A two-year transition period has been established for OIML Issuing Authorities to demonstrate compliance with ISO/IEC 17065 through accreditation or peer assessment; a “self-declaration” will be sufficient during this period.

### **1.8.2 Instrument Categories and Schemes**

It is proposed that measuring instrument categories covered by OIML R 60 and OIML R 76 will start in the OIML-CS in Scheme A on 1 January 2018. The measuring instrument categories covered by OIML R 21, OIML R 46, OIML R 49, OIML R 50, OIML R 51, OIML R 61, OIML R 75, OIML R 85, OIML R 99, OIML R 106, OIML R 107, OIML R 117, OIML R 129, OIML R 134, OIML R 137 and OIML R 139 will start in Scheme B.

Measuring instrument categories covered by OIML R 46, OIML R 49, OIML R 51, OIML R 117 and OIML R 137 will then transition to Scheme A on 1 January 2019. The remaining measuring instrument categories will transition to Scheme A on 1 January 2020 so that all applicable instrument categories will be in Scheme A by 2020.

### **1.8.3 Validity and Revision of OIML Basic and MAA Certificates**

In accordance with sections 15.10 and 15.11 of the Final Draft revision of OIML B 18, existing OIML Basic and MAA Certificates will remain valid. However, from 1 January 2018 no new OIML Basic and MAA Certificates can be issued and revisions to existing certificates will not be permitted. In the event that an error is identified in an existing OIML Basic or MAA Certificate, or there is a change in the applicant to address a change in the applicant name and/or address, an “Annex” to the original



OIML Certificate can be issued. However, an “Annex” cannot be issued for a change to the metrological or technical characteristics of the instrument.

With the OIML-CS coming into operation on 1 January 2018 the OIML Basic Certificate System and OIML MAA will cease on 31 December 2017. As no new OIML Basic or OIML MAA Certificates can be issued, and revisions to existing OIML Basic and MAA Certificates are no longer permitted, OIML basic Publications OIML B 3 and OIML B 10 can be withdrawn on 31 December 2017. The issuing of “Annexes” to correct errors or to change the applicant name and/or address will be handled under the OIML-CS procedures.

#### **1.8.4 Use of Test Data from OIML Basic and MAA Certificates to issue OIML-CS Certificates**

Test data that was obtained in support of an existing OIML Basic or OIML MAA Certificate can be used, under certain conditions, to issue an OIML-CS Certificate under Scheme B. To issue an OIML-CS Certificate under Scheme A, test data from an OIML MAA Certificate can be used, under certain conditions. However, test data from an OIML Basic Certificate cannot be used to issue an OIML-CS Certificate under Scheme A.

### **1.9 Management Committee (MC)**

#### **1.9.1 Disbanding the prMC and creating the MC**

In accordance with CIML Resolution No. 2016/17, the prMC has taken the necessary actions to ensure that the OIML-CS may become operational on 1 January 2018. The prMC will continue to function until 31 December 2017 to ensure that applications to be an OIML Issuing Authority, Utilizer, Legal Metrology expert, etc. can be processed and accepted to ensure that participants are in place on 1 January 2018.

It is therefore proposed that the CIML approves the disbanding of the prMC on 31 December 2017, and that the CIML approves the creation of the Management Committee with a view to it starting its work on 1 January 2018. Although it is envisaged that the composition and participation in the MC will be similar to the prMC it should be noted that participation in the MC is restricted to those countries that have at least one OIML Issuing Authority or Utilizer/Associate in the OIML-CS. This restriction does not apply to the prMC.

If the CIML approves the disbanding of the prMC and the creation of the MC then a call will be put out to CIML Members and Corresponding Member Representatives to nominate participants in the MC.





## 1.9.2 MC Chairperson and Deputy Chairperson

In accordance with sections 9 a) and b) and sections 11.1 c) and d) of the Final Draft revision of OIML B 18, the CIML is responsible for appointing the MC Chairperson and Deputy Chairperson. The candidates for these positions are nominated by the MC in accordance with the provisions of section 4.2.5 of Operational Document OD-01 (see **Annex E**).

Prior to the second prMC meeting a call for nominations for these positions was circulated to members of the prMC. In accordance with the procedure specified in OD-01, the following candidates are proposed by the prMC for appointment by the CIML. Please note that for the MC Chairperson, two possible scenarios have had to be considered.

### MC Chairperson

Case 1 (Dr. Roman Schwartz is elected CIML President)

**Candidate: Mr. Cock Oosterman (NMI, Netherlands)**

Case 2 (Dr. Roman Schwartz is not elected CIML President)

**Candidate: Dr. Roman Schwartz (PTB, Germany)**

### Deputy Chairperson

**Candidate: Mr. Bill Loizides (NMIA, Australia)**

Appointment of the nominated candidates for the positions of MC Chairperson and Deputy Chairperson will be dealt with under CIML agenda item 14.3.

## 1.10 BoA Chairperson and Members

In accordance with section 9 c) and sections 13.1 a) and b) of the Final Draft revision of OIML B 18, the CIML is responsible for appointing the BoA Chairperson and four Members. The procedure for the appointment to these positions is detailed in section 4.2 of Procedural Document PD-01 (see **Annex F**).

A call for nominations for these positions has been circulated to CIML Members, and the nominations will be announced at least one month prior to the CIML meeting.

Appointment of the nominated candidates for the positions of BoA Chairperson and four Members will be dealt with under CIML agenda item 14.4.



## **2. prMC Proposals and recommendations for CIML approval**

### **2.1 prMC Proposals**

2.1.1 In accordance with CIML Resolution No. 2016/17 the prMC has submitted the Final Draft revision of *OIML B 18 Framework for the OIML Certification System (OIML-CS)* for CIML approval under CIML agenda item 14.2.

2.1.2 In accordance with CIML Resolution No. 2016/17 the prMC proposes that the OIML-CS becomes operational on 1 January 2018 and that the OIML Basic Certificate System and the OIML MAA cease to function on 31 December 2017.

2.1.3 In accordance with CIML Resolution No. 2016/17 the prMC proposes that the prMC be disbanded on 31 December 2017 and that the Management Committee (MC) be established on 1 January 2018. The MC will be responsible for the operation of the OIML-CS under the authority of the CIML.

2.1.4 To enable the MC to be formed the prMC requests CIML Members to indicate interest in participating in the OIML-CS as OIML Issuing Authorities or Utilizers, and Corresponding Member Representatives to indicate interest in participating in the OIML-CS as Associates and, if so, to designate member(s) for the MC. The prMC also requests that the secretariats of respective OIML TCs/SCs and representatives of Organizations in Liaison be contacted so that they may designate representatives to participate in the MC (as observers).

2.1.5 The prMC proposes that OIML B 3 and OIML B 10 be withdrawn on 31 December 2018.

2.1.6 The prMC proposes that measuring instrument categories covered by OIML R 60 and OIML R 76 be included in the OIML-CS in Scheme A on 1 January 2018, with all other measuring instrument categories covered by OIML R 21, OIML R 46, OIML R 49, OIML R 50, OIML R 51, OIML R 61, OIML R 75, OIML R 85, OIML R 99, OIML R 106, OIML R 107, OIML R 117, OIML R 129, OIML R 134, OIML R 137 and OIML R 139 starting in Scheme B.

2.1.7 The prMC proposes that the measuring instrument categories covered by OIML R 46, OIML R 49, OIML R 51, OIML R 117 and OIML R 137 transition to Scheme A on 1 January 2019.

2.1.8 The prMC proposes that the remaining applicable measuring instrument categories transition to Scheme A on 1 January 2020.

2.1.9 In accordance with sections 9 a) and b) and sections 11.1 c) and d) of the Final Draft revision of OIML B 18, the prMC proposes that the CIML appoint under CIML agenda item 14.3 the candidates for the positions of MC Chairperson and Deputy Chairperson in accordance with the provisions of section 4.2.5 of OD-01 (duplicated in Annex E), taking into consideration the two cases for the position of MC Chairperson.



## Addendum 14.1

2017-07-10

2.1.10 In accordance with section 9 c) and sections 13.1 a) and b) of the Final Draft revision of OIML B 18, the prMC proposes that the CIML appoint under CIML agenda item 14.4 the candidates for the positions of BoA Chairperson and BoA Members in accordance with the provisions of section 4.2 of PD-01 (extract in Annex F).

## 2.2 Recommendations for CIML approval

The prMC Chairperson will report on the activities of the prMC and will present its proposals at the CIML meeting.

The prMC recommends that the CIML

- approves the Final Draft revision of OIML B 18 Framework for the OIML Certification System (OIML-CS) (see CIML Meeting Agenda item 14.2 and Draft Resolution 2017/xa)
- instructs the prMC to continue to take appropriate action so that the OIML-CS will become effective on 1 January 2018 (see Draft Resolution 2017/xb)
- decides that the OIML-CS becomes operational on 1 January 2018 and that the OIML Basic Certificate System and the OIML MAA cease to function on 31 December 2017 (see Draft Resolution 2017/xb)
- withdraws OIML B 3 and OIML B 10 on 31 December 2017 (see Draft Resolution 2017/xb)
- decides that the measuring instrument categories covered by OIML R 60 and R 76 will enter into Scheme A on 1 January 2018 and that the measuring instrument categories covered by OIML R 21, OIML R 46, OIML R 49, OIML R 50, OIML R 51, OIML R 61, OIML R 75, OIML R 85, OIML R 99, OIML R 106, OIML R 107, OIML R 117, OIML R 129, OIML R 134, OIML R 137 and OIML R 139 will enter into Scheme B on 1 January 2018.
- decides that measuring instrument categories covered by OIML R 46, OIML R 49, OIML R 51, OIML R 117 and OIML R 137 transition to Scheme A on 1 January 2019 and that all of the remaining measuring instrument categories transition to Scheme A on 1 January 2020 (see Draft Resolution 2017/xc),
- disbands the prMC on 31 December 2017 and establishes the Management Committee (MC) on 1 January 2018 (see Draft Resolution 2017/xd)
- appoints the candidates for the positions of MC Chairperson and Deputy Chairperson (see CIML Meeting Agenda item 14.3 and Draft Resolution 2017/xe), and
- appoints the candidates for the positions of BoA Chairperson and Members (see CIML Meeting Agenda item 14.4 and Draft Resolution 2017/xf).

*Note:* The Draft CIML Resolutions are shown in **Annex G**.



## **Annexes**

### **Annex A: CIML Resolutions No. 2016/16 and 2016/17**

#### **Resolution no. 2016/16**

The Committee,

Recalling its Resolutions nos. 2015/17 and 2015/18,

Noting the report of the chair of the CSPG,

Approves the Final Draft Basic Publication OIML B xx *Framework for the OIML Certification System (OIML-CS)*, as amended,

Instructs the BIML to continue to operate the existing Basic and MAA systems until such time as the OIML-CS becomes operational,

Encourages all participants in the existing Basic and MAA systems to fulfill their obligations.

#### **Resolution no. 2016/17**

The Committee,

Recalling its Resolution no. 2016/16,

Thanks the chair and members of the CSPG for their work,

Disbands the CSPG,

Decides to establish a provisional Management Committee (prMC) with immediate effect,

Requests its first Vice-President to chair the prMC,

Requests interested CIML Members, representatives from OIML Corresponding Members and representatives from Liaison Organizations to participate in the prMC, or to designate expert representative(s),

Instructs the BIML to provide secretarial support to the prMC,

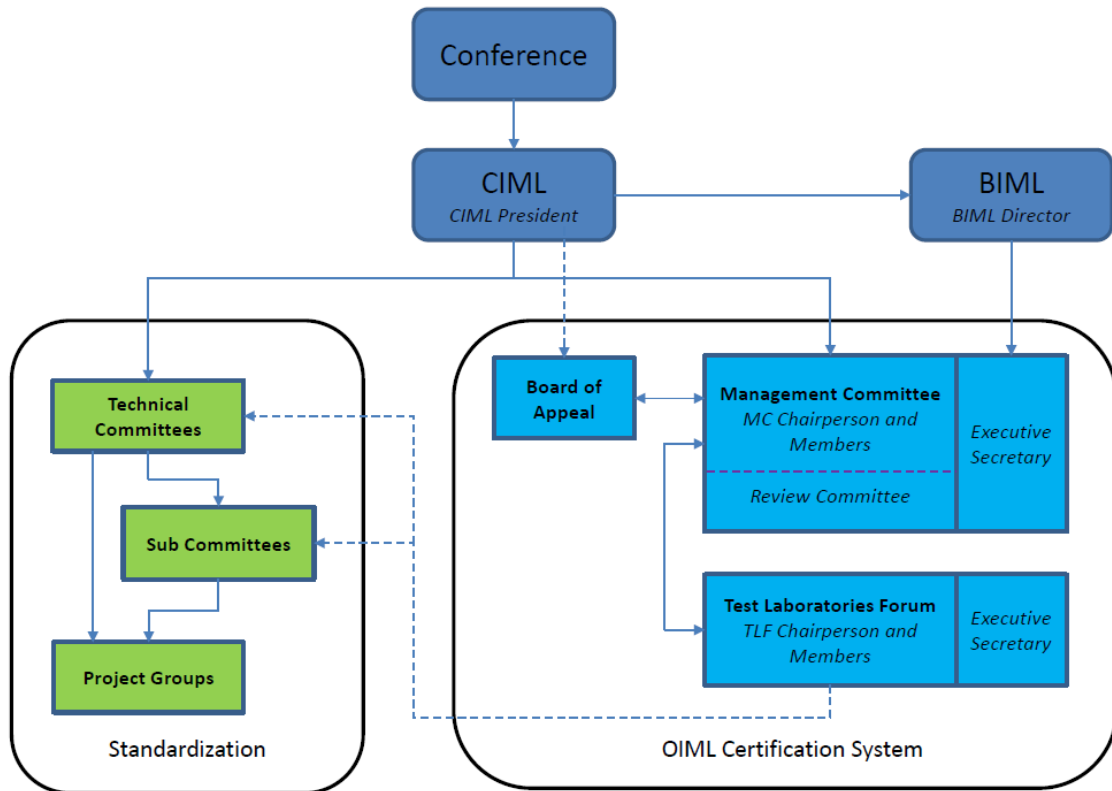
Confirms that the prMC has the authority to act as the Management Committee for the purposes of approving OIML-CS Operational Documents, Procedural Documents, Guidance Documents, Template and Forms,

Requests the prMC to identify potential improvements and amendment to OIML B xx *Framework for the OIML Certification System (OIML-CS)* for consideration at the 52nd CIML Meeting in 2017,

Instructs the prMC to take appropriate actions so that the OIML-CS may become effective 1 January 2018,

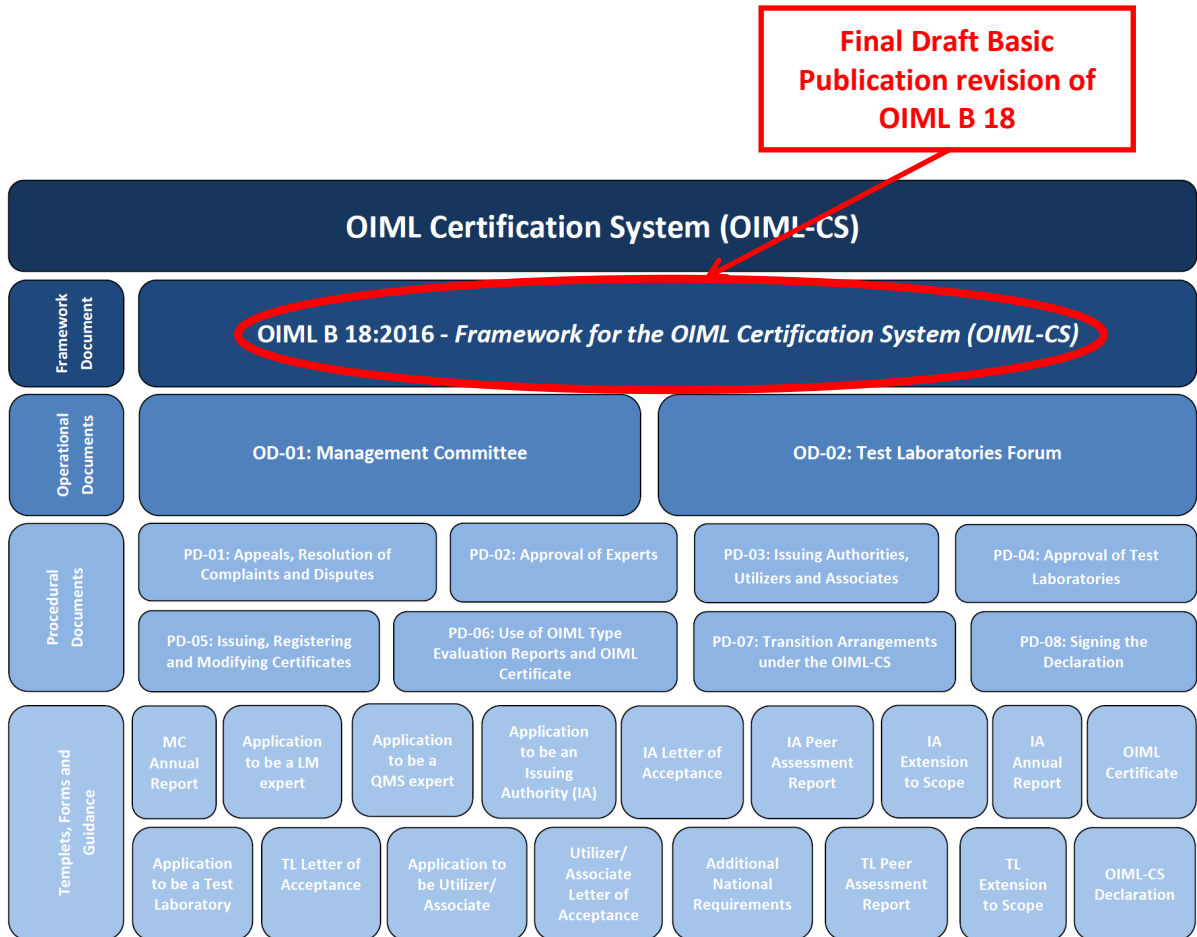
Requests the prMC to provide a report on its activities at the 52<sup>nd</sup> CIML Meeting in 2017, with a view to the OIML-CS becoming effective 1 January 2018.

**Annex B: New OIML-CS structure within the OIML structure**





**Annex C: New OIML-CS document structure**



**Addendum 14.1**

2017-07-10

**Annex D: Results of voting on ODs and PDs**

Documents: OD-01, OD-02, PD-01, PD-02, PD-03, PD-04, PD-05, PD-06 and PD-08

Country	Vote		
	Yes	No	Abstain
Australia	✓		
China (P. R.)	✓		
Czech Republic	✓		
France	✓		
Germany	✓		
India	✓		
Japan	✓		
Korea (R.)	-	-	-
Netherlands	✓		
New Zealand	✓		
Poland	-	-	-
Russian Federation	-	-	-
Slovakia*	✓		
South Africa	✓		
Switzerland	✓		
Tunisia	-	-	-
United Kingdom	✓		
United States	✓		
Viet Nam	-	-	-
<b>Total</b>	<b>14</b>	<b>0</b>	<b>0</b>

\* Proxy given to United Kingdom

**Addendum 14.1**

2017-07-10

Document: PD-07

Country	Vote		
	Yes	No	Abstain
Australia	✓		
China (P. R.)	✓		
Czech Republic	✓		
France	✓		
Germany	✓		
India		✓	
Japan	✓		
Korea (R.)	-	-	-
Netherlands		✓	
New Zealand	✓		
Poland	-	-	-
Russian Federation	-	-	-
Slovakia*	✓		
South Africa	✓		
Switzerland	✓		
Tunisia	-	-	-
United Kingdom	✓		
United States	✓		
Viet Nam	-	-	-
<b>Total</b>	<b>12</b>	<b>2</b>	<b>0</b>

\* Proxy given to United Kingdom





**Annex E: Section 4.2.5 of OD-01**

**“4.2.5 Procedure for nominating Chairperson and Deputy**

During an MC meeting, the candidates will give a short presentation of their candidacy. The selection is then processed, by secret ballots, as follows:

- a) As long as there are two candidates or more:
  - i. MC Members from OIML Member States vote for one of the candidates, and the candidate who obtained the smallest number of votes is eliminated;
  - ii. in the case where two candidates share the lowest number of votes, the candidate who was most recently appointed MC Member is eliminated;
- b) If there is only one candidate or when only one candidate remains, MC Members from OIML Member States vote “yes” or “abstention” and the candidate is selected for nomination if he/she obtains a number of “yes” votes greater or equal to 50 % of the number of MC Members from OIML Member States.
- c) In the case where the remaining candidate has not obtained the required 50 % majority:
  - i. for the selection of the Chairperson, the Deputy Chairperson becomes Acting Chairperson until the next MC meeting, at which time a new selection is organized;
  - ii. for the selection of a Deputy Chairperson, the position shall remain vacant until the next MC meeting, at which time a new selection is organized.
- d) The selected candidate (nominee) is then proposed to the CIML for appointment. CIML Members vote “yes” or “abstention” and the nominee is appointed if he/she obtains a number of “yes” votes greater or equal to 50 % of the number of OIML Member States. The conditions specified in 4.2.5 c) apply where the nominee does not receive the required 50% majority.

Where the positions of Chairperson and Deputy Chairperson are both vacant, should both candidates (nominees) fail to receive the required 50% majority the CIML First Vice-President shall assume the role of Chairperson (ex officio) until such time as a candidate (nominee) achieves the required 50% majority.”



**Annex F: Extract from section 4.2 of PD-01**

“4.2 Appointment of BoA Chairperson and BoA members

4.2.1 The CIML shall seek nominations for candidates for the roles of BoA Chairperson and members of the BoA. Members of the MC cannot be appointed as the BoA Chairperson or as a BoA member. CIML Members shall be given at least one month to review all nominations ahead of a vote.

4.2.2 For the BoA Chairperson the appointment process shall be as follows:

- e) CIML Members vote for one of the candidates, and the candidate who obtained the highest number of votes is appointed.
- f) If there is no candidate a member of the Presidential Council shall be appointed as BoA Chairperson (ex officio) until a new appointment process is conducted.

4.2.3 For the members of the BoA the appointment process shall be as follows:

- a) CIML Members vote for four of the candidates, and the four candidates who obtained the highest number of votes are appointed.
- b) In case there are fewer than four candidates, a member of the Presidential Council or, at the discretion of the CIML President, a CIML Member shall be appointed to each vacant position until a new appointment process is conducted.”



**Annex G: Draft CIML Resolutions 2017/xa, 2017/xb, 2017/xc, 2017/xd, 2017/xe and 2017/xf**

**Draft Resolution no. 2017/xa**

The Committee,

Recalling its resolution No. 2016/17,

Noting the report of the Chairperson of the provisional Management Committee (prMC),

Approves the Final Draft revision of OIML B 18 Framework for the OIML Certification System (OIML-CS).

**Draft Resolution No. 2017/xb**

The Committee,

Recalling its resolution No. 2016/17,

Noting the report of the Chairperson of the provisional Management Committee (prMC),

Instructs the prMC to continue to take appropriate actions so that the OIML-CS may become operational on 1 January 2018,

Decides that the OIML Basic Certificate System and the OIML Mutual Acceptance Arrangement will cease to operate on 31 December 2017 and that the OIML-CS will become operational on 1 January 2018,

Decides to withdraw OIML B 3:2011 *OIML Basic Certificate System for OIML Type Evaluation of Measuring Instruments* and OIML B 10:2011 (Amd. 2012) *Framework for a Mutual Acceptance Arrangement on OIML Type Evaluations* on 31 December 2017,

Instructs the BIML to continue to operate the existing Basic and MAA systems until 31 December 2017,

Encourages all participants in the existing Basic and MAA systems to fulfil their obligations until 31 December 2017.



**Addendum 14.1**

2017-07-10

**Draft Resolution No. 2017/xc**

The Committee,

Recalling its resolution No. 2017xb,

Noting the report of the Chairperson of the provisional Management Committee (prMC),

Decides that on 1 January 2018 the categories of measuring instruments covered by OIML R 60 and OIML R 76 enter the OIML-CS in Scheme A and the categories of measuring instrument covered by OIML R 21, OIML R 46, OIML R 49, OIML R 50, OIML R 51, OIML R 61, OIML R 75, OIML R 85, OIML R 99, OIML R 106, OIML R 107, OIML R 117, OIML R 129, OIML R 134, OIML R 137 and OIML R 139 enter the OIML-CS in Scheme B,

Decides that the categories of measuring instruments covered by OIML R 46, OIML R 49, OIML R 51, OIML R 117 and OIML R 137 transition from Scheme B to Scheme A on 1 January 2019,

Decides that the categories of measuring instrument covered by OIML R 21, OIML R 50, OIML R 61, OIML R 75, OIML R 85, OIML R 99, OIML R 106, OIML R 107, OIML R 129, OIML R 134 and OIML R 139 transition from Scheme B to Scheme A on 1 January 2020.



**Addendum 14.1**

2017-07-10

**Draft Resolution No. 2017/xd**

The Committee,

Recalling its resolution No. 2017xb,

Noting the report of the Chairperson of the provisional Management Committee (prMC),

Thanks the chair and members of the prMC for their work,

Disbands the provisional Management Committee (prMC) on 31 December 2017,

Decides to establish a Management Committee (MC) effective from 01 January 2018,

Requests CIML Members of OIML Member States that intend to have at least one Issuing Authority or Utilizer to take appropriate actions to designate representative(s) on the MC according to section 4.2.1 of OIML-CS Operational Document OD-01,

Requests Corresponding Member Representatives of OIML Corresponding Member Countries that intend to have at least one Associate to take appropriate actions to designate representative(s) on the MC according to section 4.2.2 of OIML-CS Operational Document OD-01,

Instructs the BIML to appoint an Executive Secretary for the OIML-CS,

Instructs the BIML to inform the secretariats of respective OIML TCs/SCs and representatives of Organizations in Liaison that they may designate representatives to participate in the MC (as observers).

**Draft Resolution No. 2017/xe**

The Committee,

Noting the nominations of candidates from the prMC for the positions of MC Chairperson and Deputy Chairperson,

Having regard to section 4.2.5 of OIML-CS Operational Document OD-01 Edition 1,

Noting the comments made by its members,

Appoints Mr. Cock Oosterman / Dr. Roman Schwartz as MC Chairperson and Mr. Bill Loizides as Deputy Chairperson.



**Addendum 14.1**

2017-07-10

**Draft Resolution No. 2017/xf**

The Committee,

Noting the report of the Chairperson of the provisional Management Committee (prMC),

Having regard to section 4.2 of OIML-CS Procedural Document PD-01 Edition 1,

Noting the comments made by its members,

Appoints xxxx, xxxx, xxxx, xxxx as members of the Board of Appeal (BoA) and xxxx as BoA Chairperson.