



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

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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,

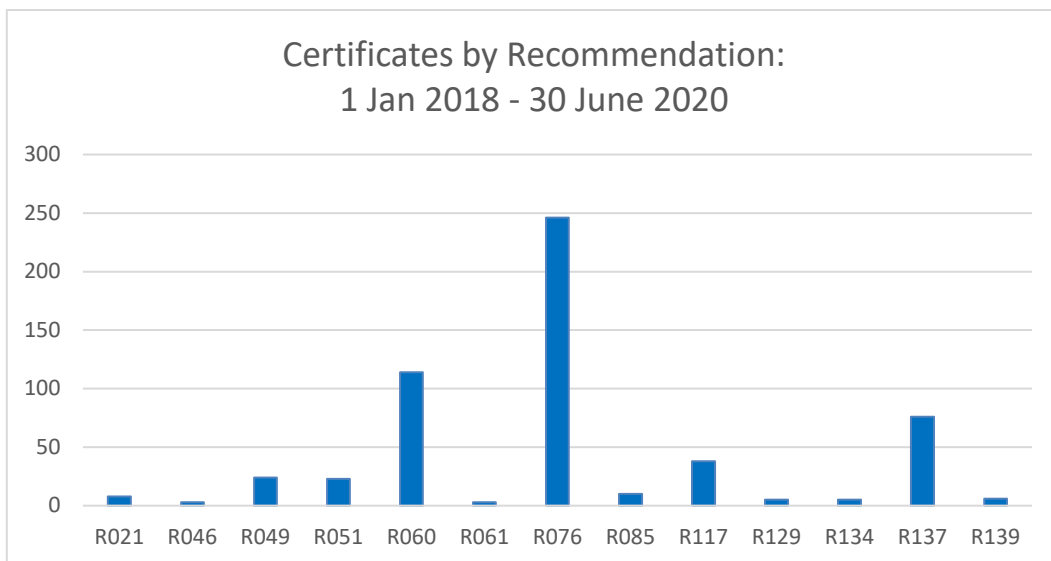
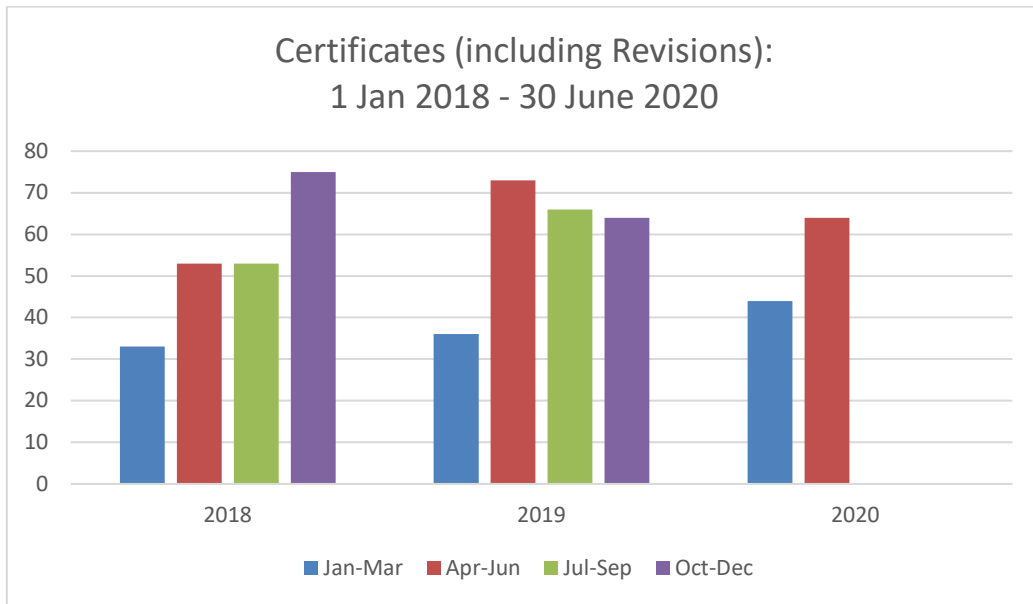
Requests the OIML-CS MC to revise the relevant OIML-CS publications and to develop a Guidance Note regarding the meaning of the OIML certificate number when it is marked on a measuring instrument,

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

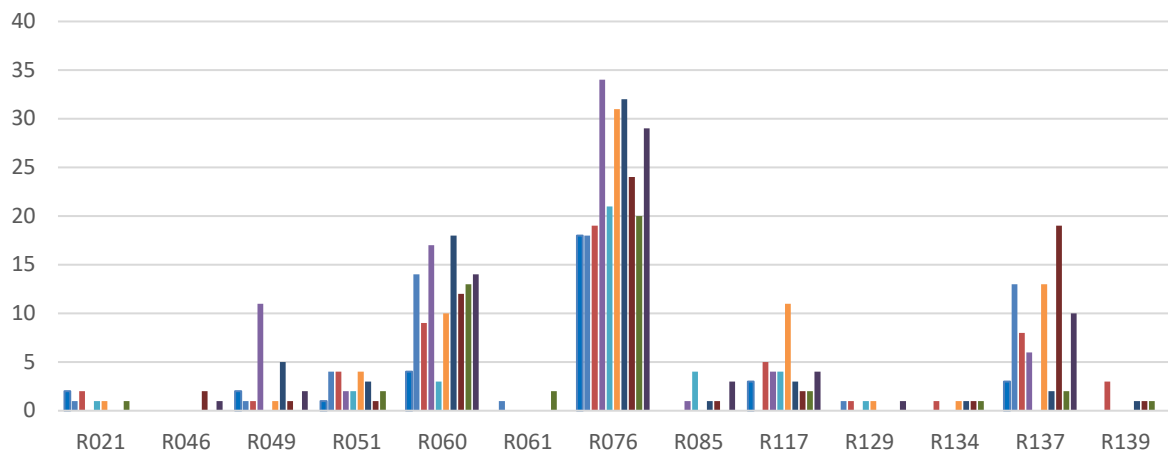
Instructs the BIML to identify the most appropriate method to amend/revise the relevant publications and to communicate this information to the Secretariats of the appropriate technical committees and/or subcommittees.

Annexes

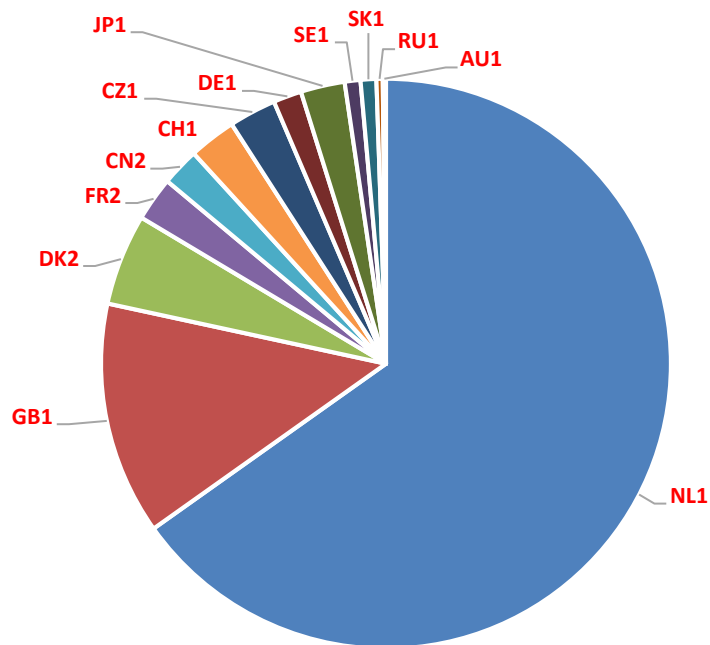
Annex A: OIML-CS Certificates registered with the BIML



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 ¹	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 ²	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*.