



Organisation Internationale de Métrologie Légale

International Organization of Legal Metrology



Update on the OIML-Certification System (OIML-CS)

26th APLMF Meeting in Ha Long City, Quang Ninh Province,
Vietnam

Modified Report of Paul Dixon BIML Assistant Director
OIML-CS Executive Secretary at 54th CIML Meeting in Bratislava, Slovakia,
October 2019



2017 RLMO RT meeting

- awareness-raising
- identifying technical experts to assess potential OIML Issuing Authorities
- encouragement and support for Utilizers and Associates
- observers on the OIML-CS MC
- intercomparisons or proficiency testing



2018 RLMO RT meeting

- need for more awareness raising activities
- explanation of the benefits of becoming a Utilizer or Associate
- need for assistance and practical examples of the process of becoming a Utilizer or Associate



Awareness raising

- December 2018 - two-day seminar in Abuja, Nigeria, funded by UNIDO
- 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 – 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



APLMF Participation in the OIML-CS

- [Australia](#), Brunei Darussalam, *Cambodia*, *Canada*, [People's Republic of China](#), Hong Kong China, Indonesia, [Japan](#), *Kiribati*, *Republic of Korea*, Malaysia, Mongolia, *New Zealand*, Papua New Guinea, Philippines, Singapore, Chinese Taipei, Thailand, *United States of America*, Vietnam
- Chile, *Colombia*, DPR Korea, Laos D.P.R., Mexico, Peru, *Russian Federation*
 - [ISSUING AUTHORITIES](#)
 - *UTILIZERS*
 - *ASSOCIATES*



ALBANIA
ALGERIA
AUSTRALIA
AUSTRIA
BELARUS
BELGIUM
BRAZIL
BULGARIA
CAMBODIA
CANADA
COLOMBIA
CROATIA
CUBA
CYPRUS
CZECH REPUBLIC
DENMARK
EGYPT
FINLAND
FRANCE
GERMANY




GREECE
HUNGARY
INDIA
INDONESIA
IRAN
IRELAND
ISRAEL
ITALY
JAPAN
KAZAKHSTAN
KENYA
KOREA (R.)
MONACO
MOROCCO
NETHERLANDS
NEW ZEALAND
NORWAY
P.R. CHINA
PAKISTAN
POLAND

PORTUGAL
REPUBLIC OF NORTH MACEDONIA
ROMANIA
RUSSIAN FEDERATION
SAUDI ARABIA
SERBIA
SLOVAKIA
SLOVENIA
SOUTH AFRICA
SPAIN
SRI LANKA
SWEDEN
SWITZERLAND
TANZANIA
THAILAND
TUNISIA
TURKEY
UNITED KINGDOM
UNITED STATES
VIET NAM
ZAMBIA

ANGOLA
ARGENTINA
AZERBAIJAN
BAHRAIN
BANGLADESH
BARBADOS
BOLIVIA
BOSNIA AND HERZEGOVINA
BOTSWANA
CHINESE TAIPEI
COSTA RICA
DOMINICAN REPUBLIC
ECUADOR
ESTONIA
FIJI
GEORGIA
GHANA
GUATEMALA
GUINEA
HONG KONG

ICELAND
IRAQ
JORDAN
KIRIBATI
KUWAIT
KYRGYZSTAN
LATVIA
LITHUANIA
LUXEMBURG
MADAGASCAR
MALAWI
MALAYSIA
MALTA
MAURITIUS
MEXICO
MOLDOVA
MONGOLIA
MONTENEGRO
MOZAMBIQUE
NAMIBIA

NEPAL
NIGERIA
OMAN
PANAMA
PAPUA NEW GUINEA
PARAGUAY
PERU
PHILIPPINES
QATAR
RWANDA
SEYCHELLES
SIERRA LEONE
SINGAPORE
SUDAN
TRINIDAD AND TOBAGO
UGANDA
UKRAINE
UNITED ARAB EMIRATES
URUGUAY
UZBEKISTAN
ZIMBABWE

-  ISSUING AUTHORITY (12 out of 61 = 20 %)
-  UTILIZER (27 out of 61 = 44 %)
-  ASSOCIATE (4 out of 61 = 7 %)



Using the OIML-CS

- OIML-UNIDO Guidance Document
<https://www.oiml.org/en/oiml-cs/docs/oiml-unido-guidance-document-on-the-oiml-cs.pdf>
- Flowcharts to show processes for participation
- Training materials
- e-Learning module developed
- Review and implementation of feedback and proposals from training events
- Revision of D 19 Type evaluation and type approval





Discussion items

- Promotional activities – identification of events and opportunities
- Further support for organisations to participate as Utilizers or Associates
- Identification of experts
- Technical collaboration – intercomparisons
- How is the OIML-CS used to support national/regional type approval



Next OIML-CS MC meeting

- Next OIML-CS Management Committee (MC) meeting and associated events will be held in **New Delhi, India**
- **Provisional schedule** - MC meeting will be held on **18-19 March 2020**, with the Review Committee and Maintenance Group meetings taking place on **17 March 2020**
- Encourage each **RLMO** to nominate a representative(s) on the MC and to attend the MC meeting



OIML CERTIFICATION SYSTEM (OIML-CS)

Utilizer Application Form

1. Country:
2. Utilizer (organization) name:
3. Type of application

☐ New Utilizer

☐ Modification/extension to scope of an existing Utilizer, e.g. addition of a new instrument category, addition of another edition of an OIML Recommendation, change of Scheme.

4. Utilizer details

Note : Complete this section for a new application or if the existing contact details of the Utilizer have changed.

Address	Contact Details	
	Name:	
	Tel:	
	E-mail:	

5. Scope

In the table on the following page please detail the categories of measuring instruments, the applicable OIML Recommendations and the Scheme(s) for which you will accept and utilize OIML Certificates and/or OIML type evaluation/test reports.

Note: For a modification/extension to scope it is only necessary to detail the change(s) from the existing scope.

Measuring Instrument Category	OIML Recommendation	Scheme A / B	OIML MAA
Sphygmomanometer	R 16:2002		
Taximeters	R 21:2007		
Material Measures of Length	R 35:2007		
Active electrical energy meters	R 46:2012		
Water meters	R 49:2006		No
	R 49:2013		No
Continuous totalizers	R 50:2014		
Automatic catchweighers	R 51:2006		
Sound Level Meters	R 58:1998		
Moisture meters for cereal grains and oilseeds	R 59:2016		
Load cells	R 60:2000		No
	R 60:2017		
Automatic Gravimetric Filling Instruments	R 61:2004		
	R 61:2017		
Heat Meters	R 75:2002		
Non-automatic Weighing Instruments	R 76:1992		No
	R 76:2006		No
Cryogenic Liquids	R 81:1998		
Level Gauges for Stationary Storage Tanks	R 85:2008		
Integrating-averaging Sound Level Meters	R 88:1998		
Focimeters	R 93:1999		
Vehicle exhaust emissions	R 99:2008		
Sound Calibrators	R 102:1992		
Pure-tone Audiometers	R 104:1993		
Automatic Rail-weighbridges	R 106:2011		
Discontinuous Totalisers	R 107:2007		
Pressure Balances	R 110:1994		
Liquids other than Water	R 117:1995		
	R 117:2007		
Speech Audiometry	R 122:1996		
Evidential breath analyzers	R 126:1998		
Ergometers for foot crank work	R 128:2000		
Multi-dimensional measuring instruments	R 129:2000		
Liquid-in-glass thermometers	R 133:2002		
Weighing road vehicles in motion	R 134:2006		
Areas of Leather	R 136:2004		
Gas meters	R 137:2012		
Compressed Gaseous Fuel systems for Vehicles	R 139:2014		
	R 139:2018		
Continuous measurement of SO2 in stationary source emissions	R 143:2009		
Continuous measurement of CO, NOx in stationary source emissions	R 144:2013		
Ophthalmic instruments - Impression and applanation tonometers	R 145:2015		
Protein measuring instruments for cereal grains and oilseeds	R 146:2016		

Note: Any conditions for the acceptance of OIML Certificates and/or type evaluation reports shall be specified here:

6. Additional National Requirements

Do you have any Additional National Requirements?

☐ Yes ☐ No

Note: Additional National Requirements are requirements that are different from, or in addition to, those specified in the OIML Recommendation for a particular category of measuring instrument.

If yes, please provide details in the table below.

Measuring Instrument Category	Name of Additional National Requirement	Requirements and applicable test procedure reference document*

* a copy of each requirement and applicable test procedure reference document shall be submitted with this application form.

7. Utilizer Statement

I hereby confirm that the information provided above is true, complete and accurate, and that my organization will accept and utilize OIML Certificates and/or OIML type evaluation reports for the categories of measuring instruments detailed in Section 5, according to the provisions of OIML B 18.

Name of Responsible person:

Date:

Position in organization:

Signature:

8. CIML Member Endorsement

I endorse the application of the organization named in section 2 to be a Utilizer under the OIML-CS.

Name of Responsible person:

Date:

Position in organization:

Signature:

End of Application Form



OIML CERTIFICATION SYSTEM (OIML-CS)

Associate Application Form

1. Country:

2. Associate (organization) name:

3. Type of application

☐

New Associate

☐

Modification/extension to scope of an existing Associate, e.g. addition of a new instrument category, addition of another edition of an OIML Recommendation, change of Scheme.

4. Associate details

Note : Complete this section for a new application or if the existing contact details of the Associate have changed.

Address	Contact Details	
	Name:	
	Tel:	
	E-mail:	

5. Scope

In the table on the following page please detail the categories of measuring instruments, the applicable OIML Recommendations and the Scheme(s) for which you will accept and utilize OIML Certificates and/or OIML type evaluation/test reports.

Note: For a modification/extension to scope it is only necessary to detail the change(s) from the existing scope.

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Continuous totalizers	R 50:2014		
Automatic catchweighers	R 51:2006		
Sound Level Meters	R 58:1998		
Moisture meters for cereal grains and oilseeds	R 59:2016		
Load cells	R 60:2000		No
	R 60:2017		
Automatic Gravimetric Filling Instruments	R 61:2004		
	R 61:2017		
Heat Meters	R 75:2002		
Non-automatic Weighing Instruments	R 76:1992		No
	R 76:2006		No
Cryogenic Liquids	R 81:1998		
Level Gauges for Stationary Storage Tanks	R 85:2008		
Integrating-averaging Sound Level Meters	R 88:1998		
Focimeters	R 93:1999		
Vehicle exhaust emissions	R 99:2008		
Sound Calibrators	R 102:1992		
Pure-tone Audiometers	R 104:1993		
Automatic Rail-weighbridges	R 106:2011		
Discontinuous Totalisers	R 107:2007		
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Compressed Gaseous Fuel systems for Vehicles	R 139:2014		
	R 139:2018		
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Protein measuring instruments for cereal grains and oilseeds	R 146:2016		

Note: Any conditions for the acceptance of OIML Certificates and/or type evaluation reports shall be specified here:

6. Additional National Requirements

Do you have any Additional National Requirements?

☐ Yes ☐ No

Note: Additional National Requirements are requirements that are different from, or in addition to, those specified in the OIML Recommendation for a particular category of measuring instrument.

If yes, please provide details in the table below.

Measuring Instrument Category	Name of Additional National Requirement	Requirements and applicable test procedure reference document*

* a copy of each requirement and applicable test procedure reference document shall be submitted with this application form.

7. Associate Statement

I hereby confirm that the information provided above is true, complete and accurate, and that my organization will accept and utilize OIML Certificates and/or OIML type evaluation reports for the categories of measuring instruments detailed in Section 5, according to the provisions of OIML B 18.

Name of Responsible person:

Date:

Position in organization:

Signature:

8. Corresponding Member Representative Endorsement

I endorse the application of the organization named in section 2 to be an Associate under the OIML-CS.

Name of Responsible person:

Date:

Position in organization:

Signature:

End of Application Form



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Questions?