



Agenda item 13.3

Report by the OIML-CS Management Committee (MC) Chairperson

Mannie Panesar (NMO – UK) – OIML- CS MC Chairperson



OIML Certification Systems from 2017 to 2021

- This presentation will provide some of the highlights of the 118 page report that covers the 5 years from 2017 to 2021 and provide some additional information relevant to the evolution, development, and growth of the system during this period.
- Firstly – what are the objectives and benefits of the OIML Certification System?



OIML Certification Systems from 2017 to 2021

The objectives of the OIML-CS are:

- a) to promote the **global harmonization**, uniform **interpretation and implementation** of legal metrological requirements for measuring instruments and/or modules,
- b) to avoid **unnecessary re-testing** when obtaining **national type evaluations and approvals**, and to support the recognition of measuring instruments and/or modules under legal metrological control, while achieving and **maintaining confidence in the results** in support of facilitating the **global trade** of individual instruments, and
- c) to establish rules and procedures for **fostering mutual confidence** among participating OIML Member States and Corresponding Members in the results of type evaluations that indicate **conformity** of measuring instruments and/or modules, under **legal metrological control**, to the metrological and **technical requirements** established in the applicable OIML Recommendation(s).



OIML Certification Systems from 2017 to 2021

The various stakeholders may benefit from the OIML-CS:

- a) for national legal metrology authorities from countries in which no test facilities are available and where national type evaluations and approvals are required, the OIML-CS offers a viable solution;
- b) for instrument manufacturers who are required to obtain type approval, the OIML-CS may provide evidence that their instrument type complies with the requirements of the relevant OIML Recommendations, thus avoiding duplication of type approval tests in different countries; and
- c) the OIML-CS additionally provides formal evidence to accept and utilize OIML Type Evaluation Reports validated by an OIML Certificate of Conformity.



OIML Certification Systems from 2017 to 2021

The current OIML Certification System (OIML-CS) began on the 1st January 2018, replacing the previous two systems.

1. Basic Certificate System (started in 1991)

- No mandatory accreditation/peer assessment requirement, Self declaration with supporting evidence.



2. Mutual Acceptance Arrangement (MAA) (started in 2005)

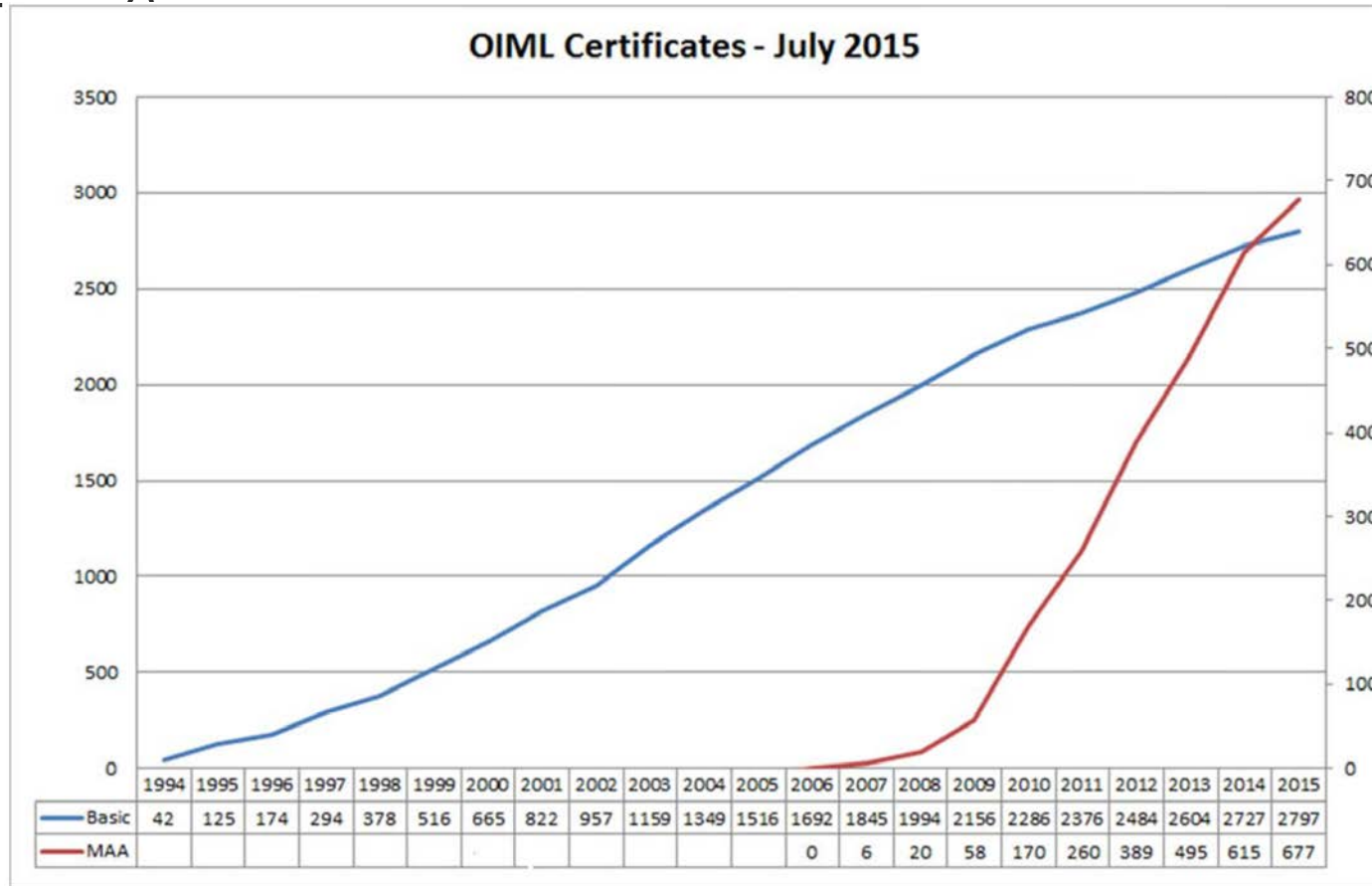
- Accreditation/peer assessment and traceability required





OIML Certification Systems from 2017 to 2021

One of the key drivers to review the OIML Certifications System





OIML Certification Systems from 2017 to 2021



The new Certification System was the product of many discussions, CIML resolutions, and the hard work of ad-hoc working groups since 2013.

Resolutions 2013/15, 2013/16, 2013/17, 2014/18, 2015/17, 2015/18, 2016/16, 2016/17...

Decisions to establish a Certification System Project Group, then to establish a provisional Management Committee to prepare the relevant documents for the OIML-CS by 2018
Resolutions 2017/19, 2017/20, 2017/21, covered establishing the Management Committee.



OIML Certification Systems from 2017 to 2021

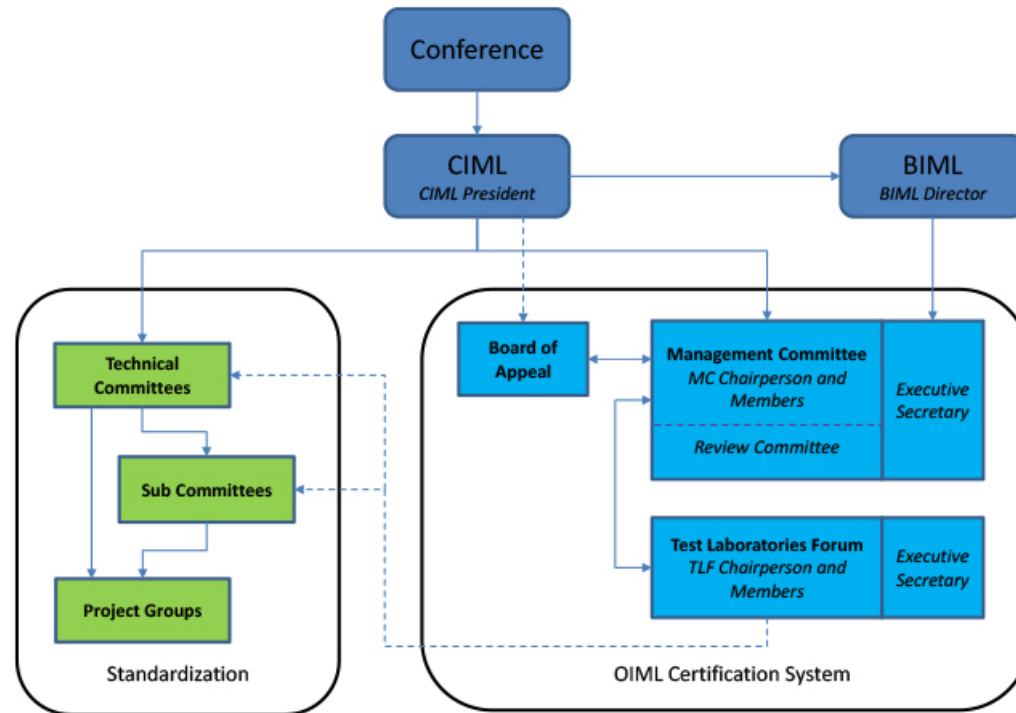


The new, single, OIML Certification System was launched in 2018, new recommendations entered into the system in Scheme B and moved into Scheme A after approximately 2 years. Currently, only one recommendation is in Scheme B, all the others in the system are in scheme A.



OIML Certification Systems from 2017 to 2021

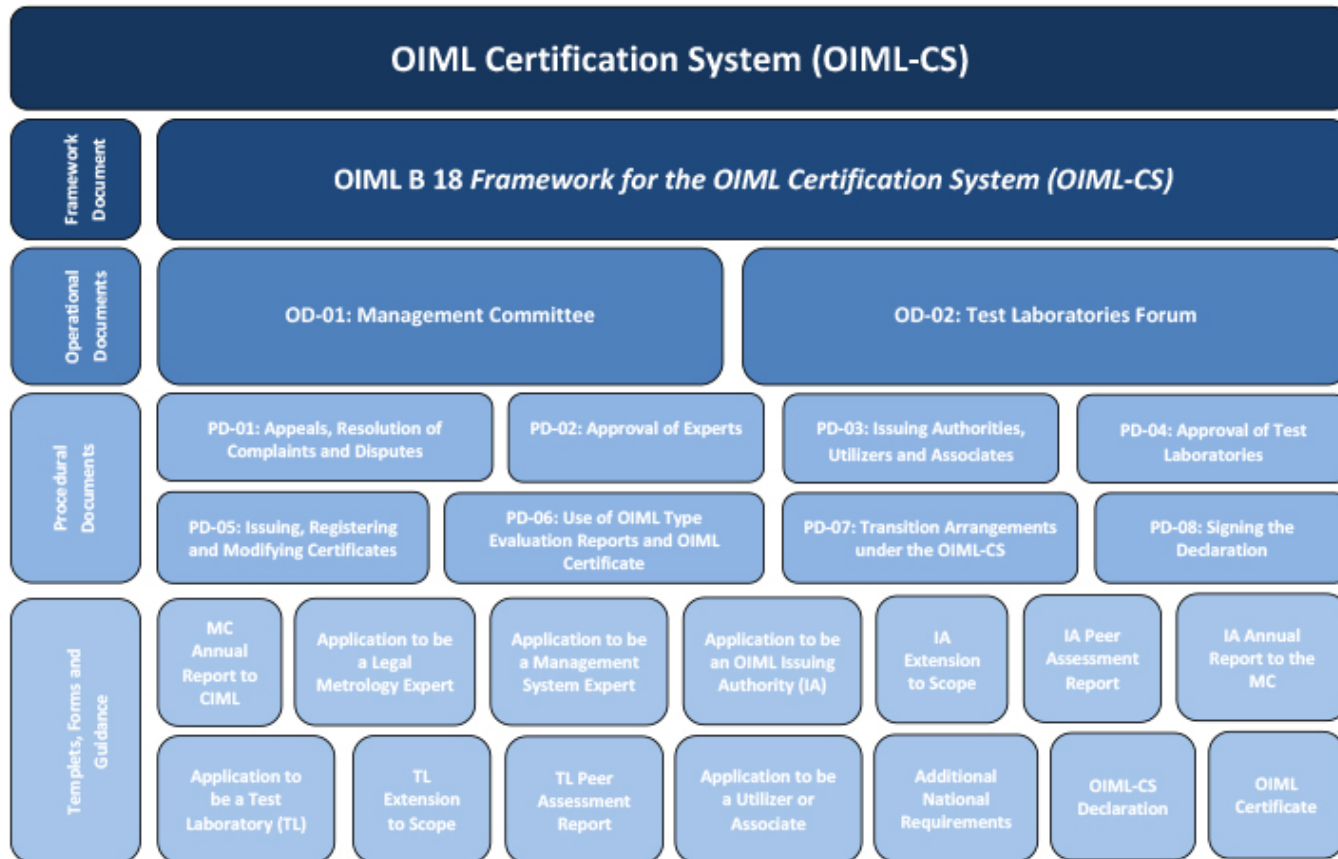
OIML Certification System (OIML-CS) - Structure





OIML Certification Systems from 2017 to 2021

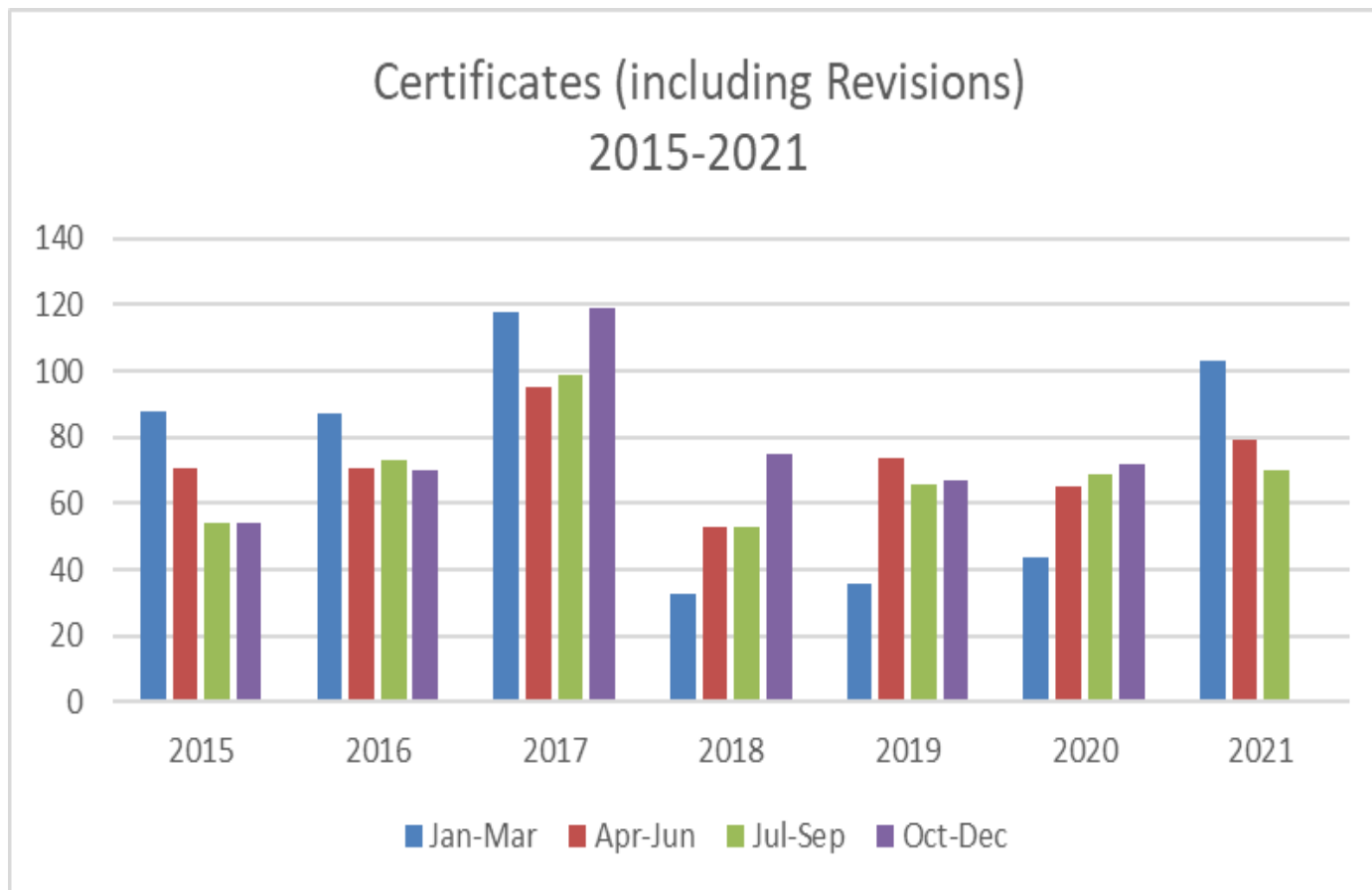
The new document structure





OIML Certification Systems from 2017 to 2021

- Performance of the Basic and MAA up to 2017, OIML-CS from 2018>





OIML Certification Systems from 2017 to 2021

Issuing Authorities and 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)			■	■									■														



OIML Certification Systems from 2017 to 2021

The Future?...



- OIML Issuing Authorities will have the option to use ISO/IEC 17020 (with additional requirements) as an alternative to ISO/IEC 17065 for demonstrating competence. This likely to expand the system, potentially enabling more Issuing Authorities to participate.



OIML Certification Systems from 2017 to 2021

The Future?...



- The Management Committee continue to discuss the expansion of the current system to include Conformity To Type (CTT) which will include verification and surveillance activities. The ISO/IEC 17065 working group will continue to explore this.



OIML Certification Systems from 2017 to 2021

The Future?...



- The Management Committee continue to focus on the relevant High Priority Publications subject for review every 2 years
- The Management Committee should consider how the Certification System can play a part in the digitalisation of legal metrology and possibly link and collaborate with other digitalisation projects.



OIML Certification Systems from 2017 to 2021

The Future?...



- The Certification System has continued to grow and develop despite the impact of a global pandemic, this is a very worthy achievement that should be celebrated and not undervalued.



Thank you to the following:

ALL Management Committee members – Very productive and positive discussions and decisions

ALL Review Committee members – Large amount of work completed reviewing Issuing authorities, Test laboratories, and experts

ALL Maintenance Group members – Working incredibly hard to maintain and service the system

ALL Working groups – Present clear and detailed proposals on the various projects assigned to them

Paul Dixon for his support to Committees and Maintenance/Working groups

