



OIML Certification System (OIML-CS)

Introduction to the OIML-CS

II International Congress on Legal Metrology

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This is a shortened version, prepared by
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Chair, APLMF WG on MRAs





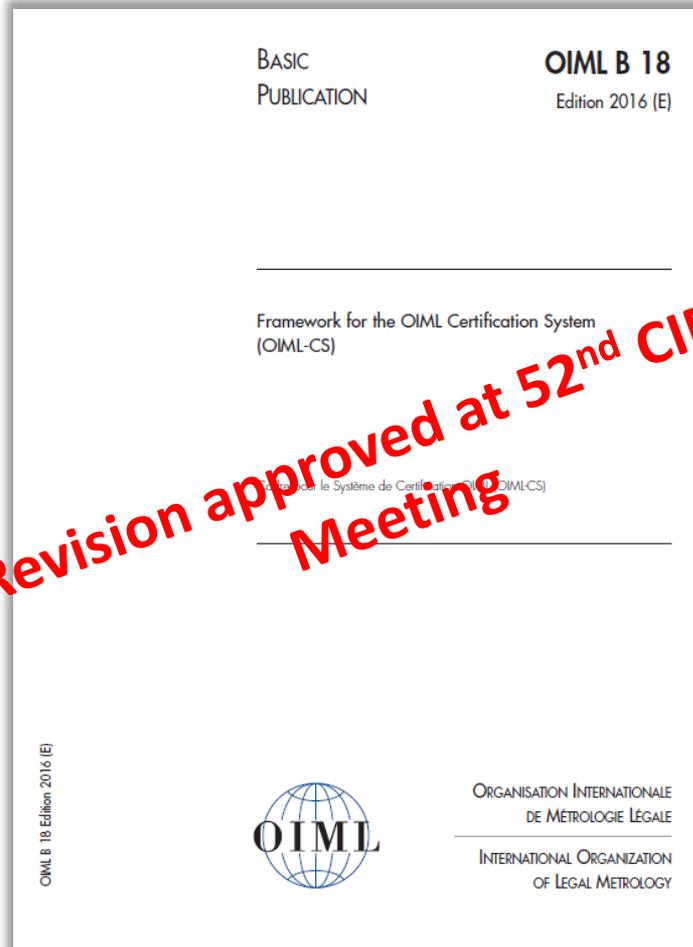
OIML Certification System (OIML-CS)





OIML Certification System (OIML-CS)

OIML B 18 – OIML-CS Framework





OIML Certification System (OIML-CS)

Principles of the OIML-CS

- The OIML-CS is a voluntary system and OIML Member States and Corresponding Members are free to participate or not
- The Framework (OIML B 18) establishes the rules whereby signatories voluntarily accept and utilize OIML type evaluation reports, when associated with an OIML Certificate issued by an OIML Issuing Authority, for type approval or recognition in their national or regional metrological controls





OIML Certification System (OIML-CS)

Principles of the OIML-CS

The OIML-CS will be a single Certification System with two Schemes for certain measuring instrument categories:

“Scheme A”

“Scheme B”





OIML Certification System (OIML-CS)

Scope of the OIML-CS

- Measuring instrument categories, for which OIML Recommendations specify:
 - metrological and technical requirements (“Part 1”),
 - test procedures (“Part 2”), and
 - test report format (“Part 3”),will initially be placed in Scheme B.
- After a two year transition period these measuring instrument categories will be transferred automatically into Scheme A.
- There can be exceptions with longer or shorter transition periods.
- Intention for all relevant instrument categories to be in Scheme A





OIML Certification System (OIML-CS)

Proposed scope of the OIML-CS

Measuring Instrument Category	Recommendation
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
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





OIML Certification System (OIML-CS)

Participation in the OIML-CS

- For OIML Issuing Authorities and their Test Laboratories the requirements for Scheme A and Scheme B are the same, i.e. compliance with ISO/IEC 17065 and ISO/IEC 17025 respectively
- However, the evaluation of compliance is different:
 - For participation in Scheme B, it is sufficient to demonstrate compliance on the basis of “self-declaration”.
 - For participation in Scheme A, compliance is demonstrated on the basis of accreditation or peer assessment.





OIML Certification System (OIML-CS)

Participation in the OIML-CS

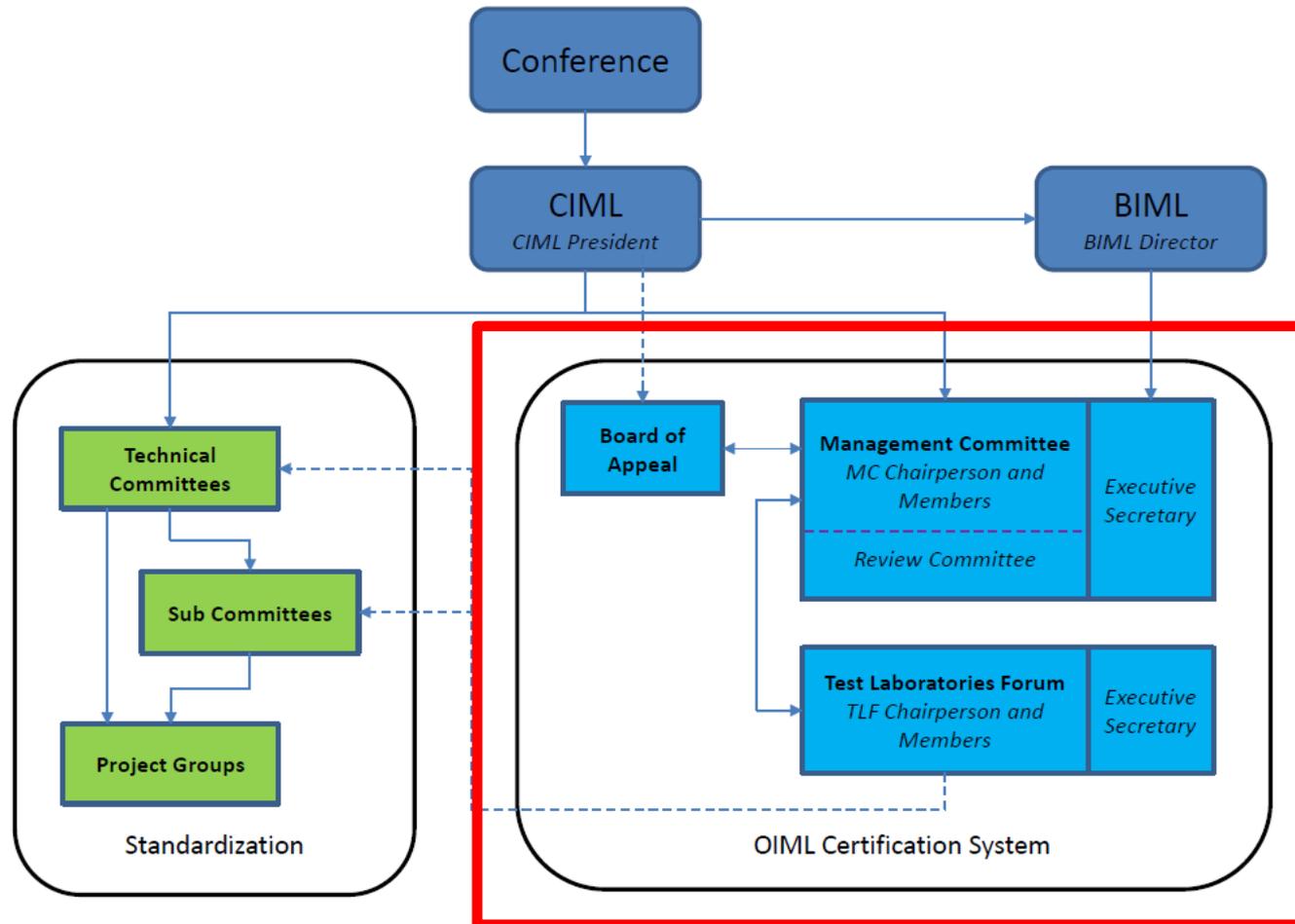
- The Declarations of Mutual Confidence (DoMCs) under the current MAA will be replaced by a Declaration for each participant
- OIML Issuing Authorities will declare their scope for which measuring instrument categories they will issue OIML certificates
- Utilizers/Associates will declare their scope for which measuring instrument categories they will accept and utilize OIML Certificates and/or the associated type evaluation reports





OIML Certification System (OIML-CS)

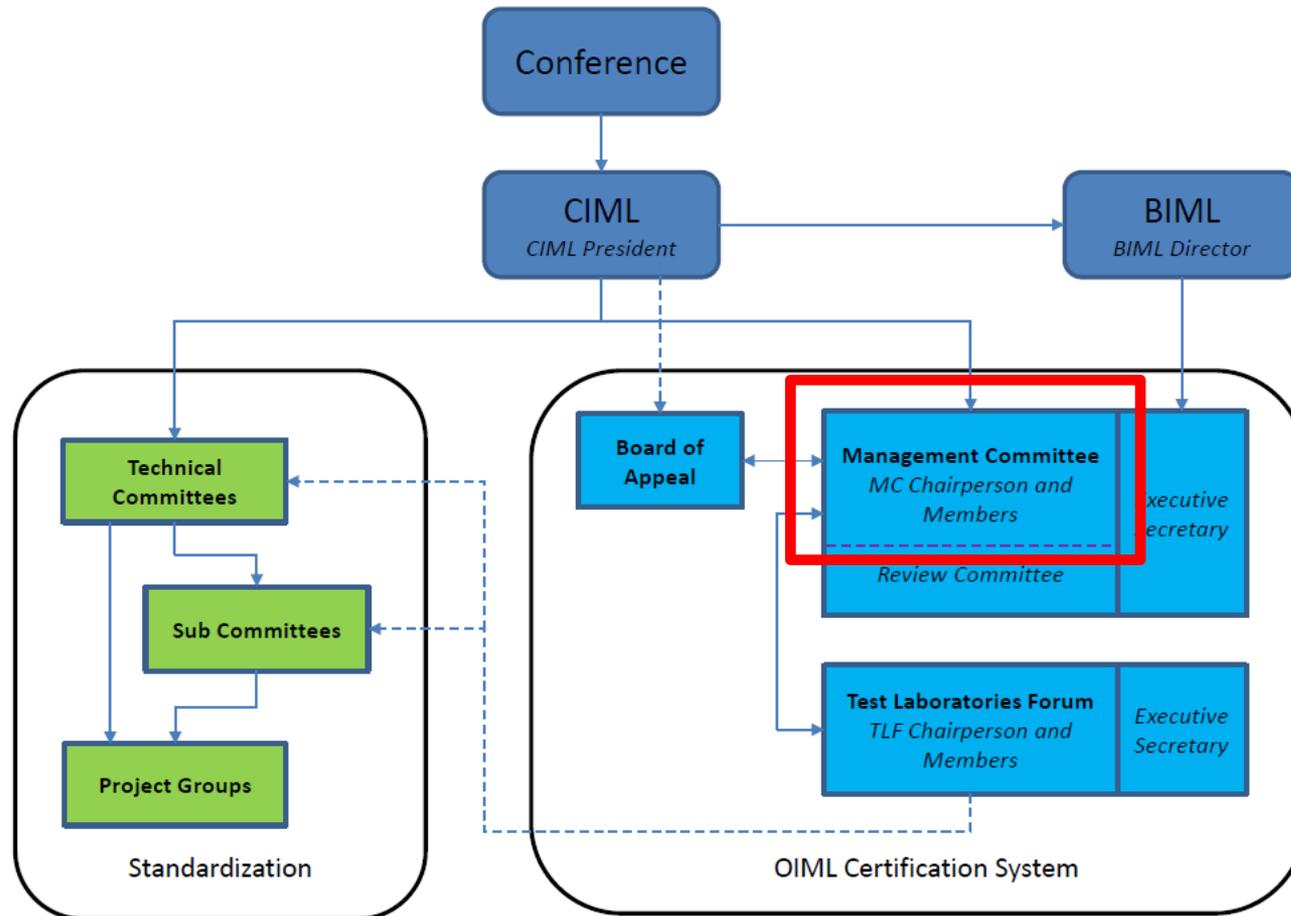
Management Structure





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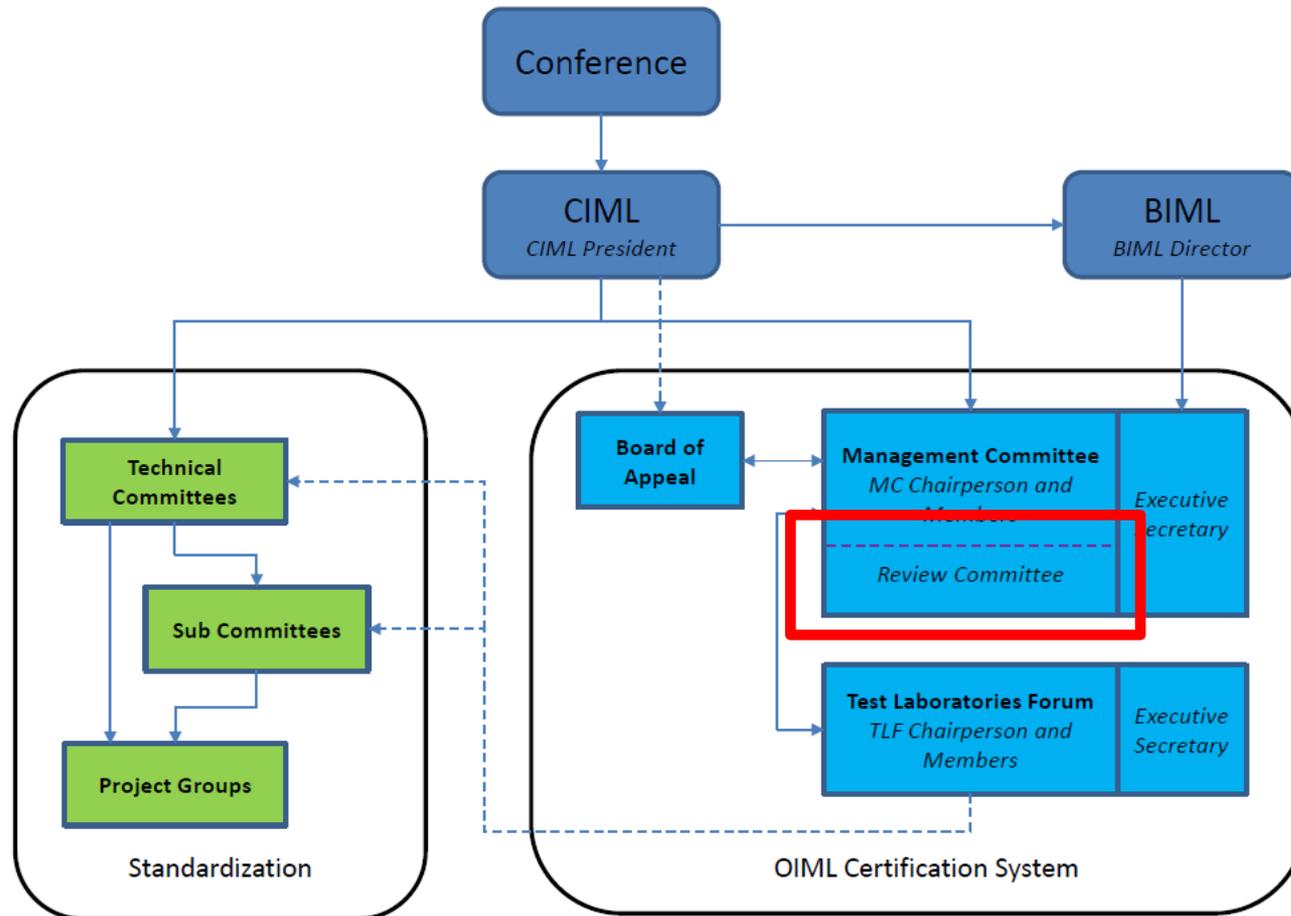
Management Committee





OIML Certification System (OIML-CS)

Review Committee





OIML Certification System (OIML-CS)

Review Committee

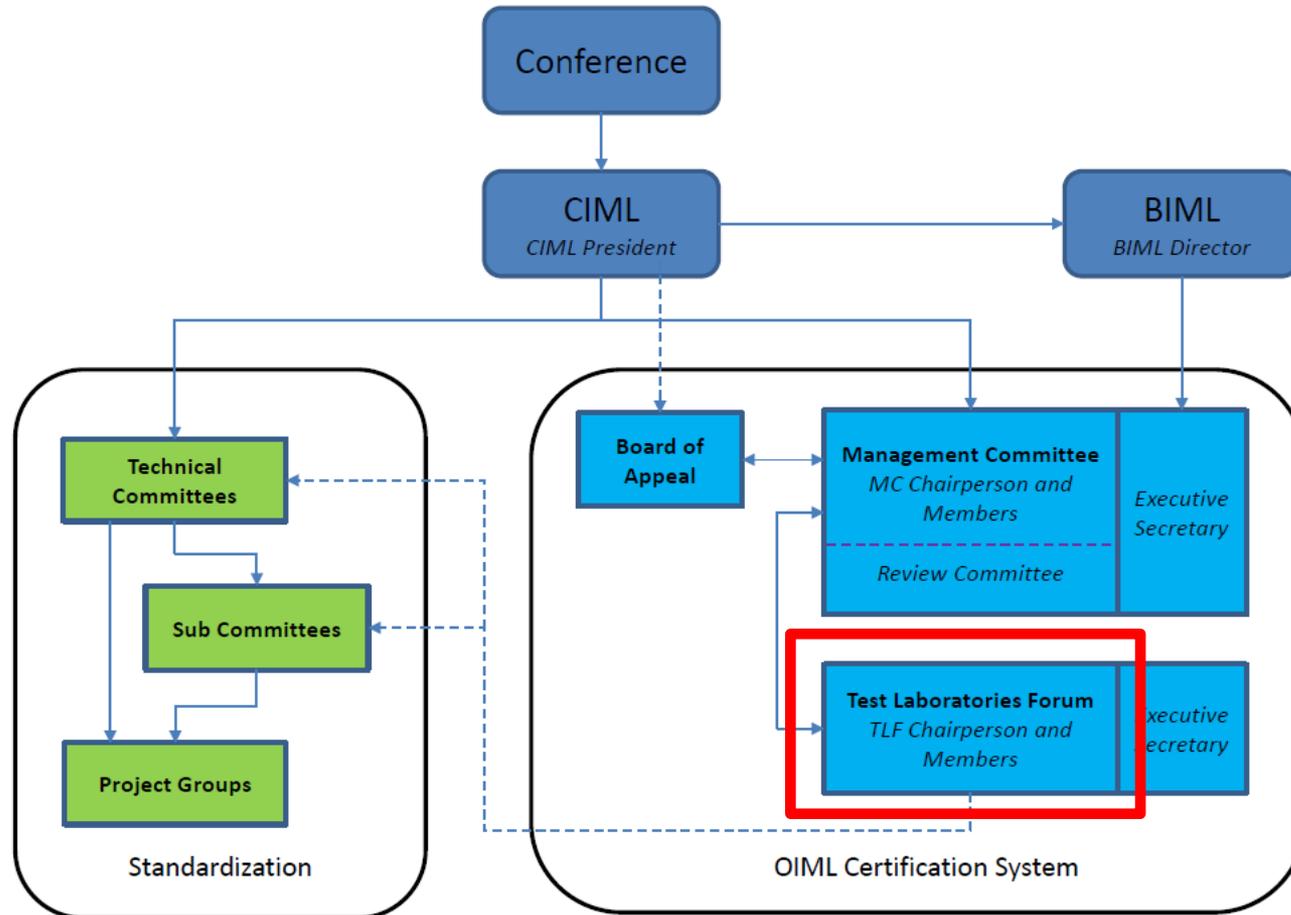
- Sub-committee of the MC
- At least six members chosen from the MC members
- Chairperson appointed by the MC
- Provide recommendations to the full MC on the acceptance or rejection of Legal Metrology and QMS experts and the approval, rejection or suspension of OIML Issuing Authorities





OIML Certification System (OIML-CS)

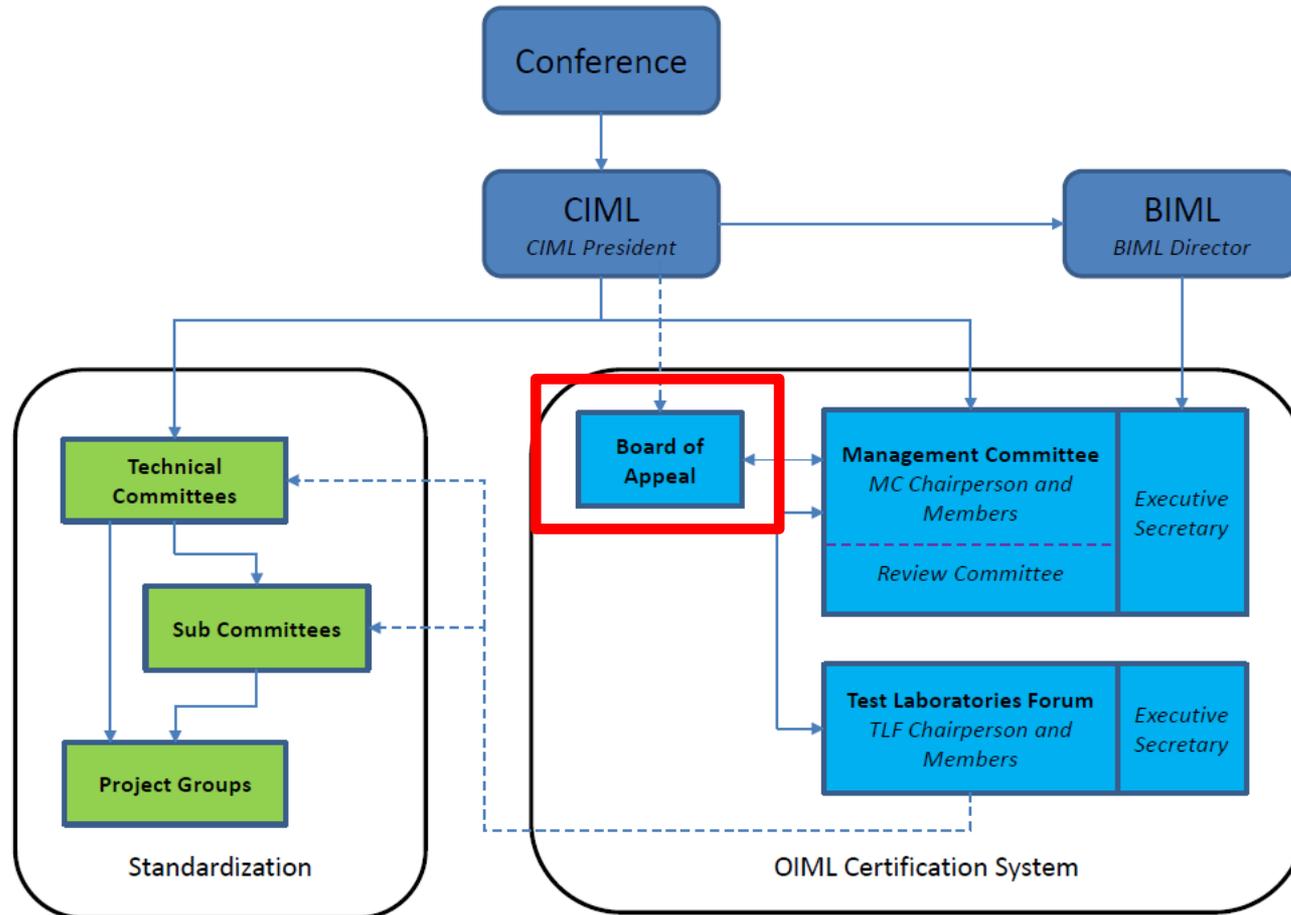
Test Laboratories Forum





OIML Certification System (OIML-CS)

Board of Appeal





OIML Certification System (OIML-CS)

Board of Appeal

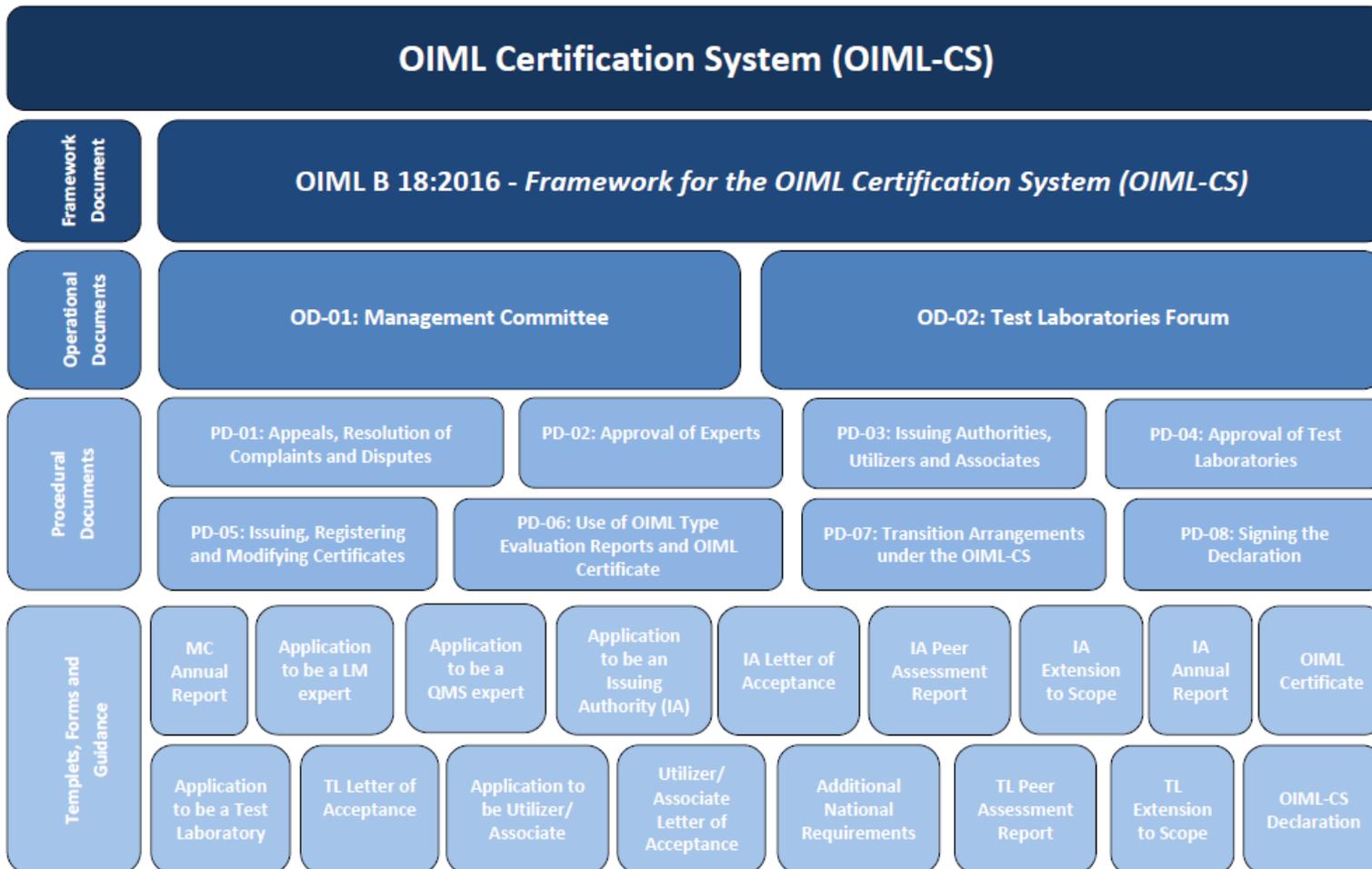
- The BoA is independent of the MC
- Composition
 - a Chairperson appointed by the CIML; and
 - four members appointed by the CIML.
- Tasks of the BoA
 - manage appeals against decisions of the MC relating to participation in the OIML-CS, and Legal Metrology experts and QMS experts,
 - recommend solutions to any other dispute referred to it with regard to the application of the rules of the OIML-CS.





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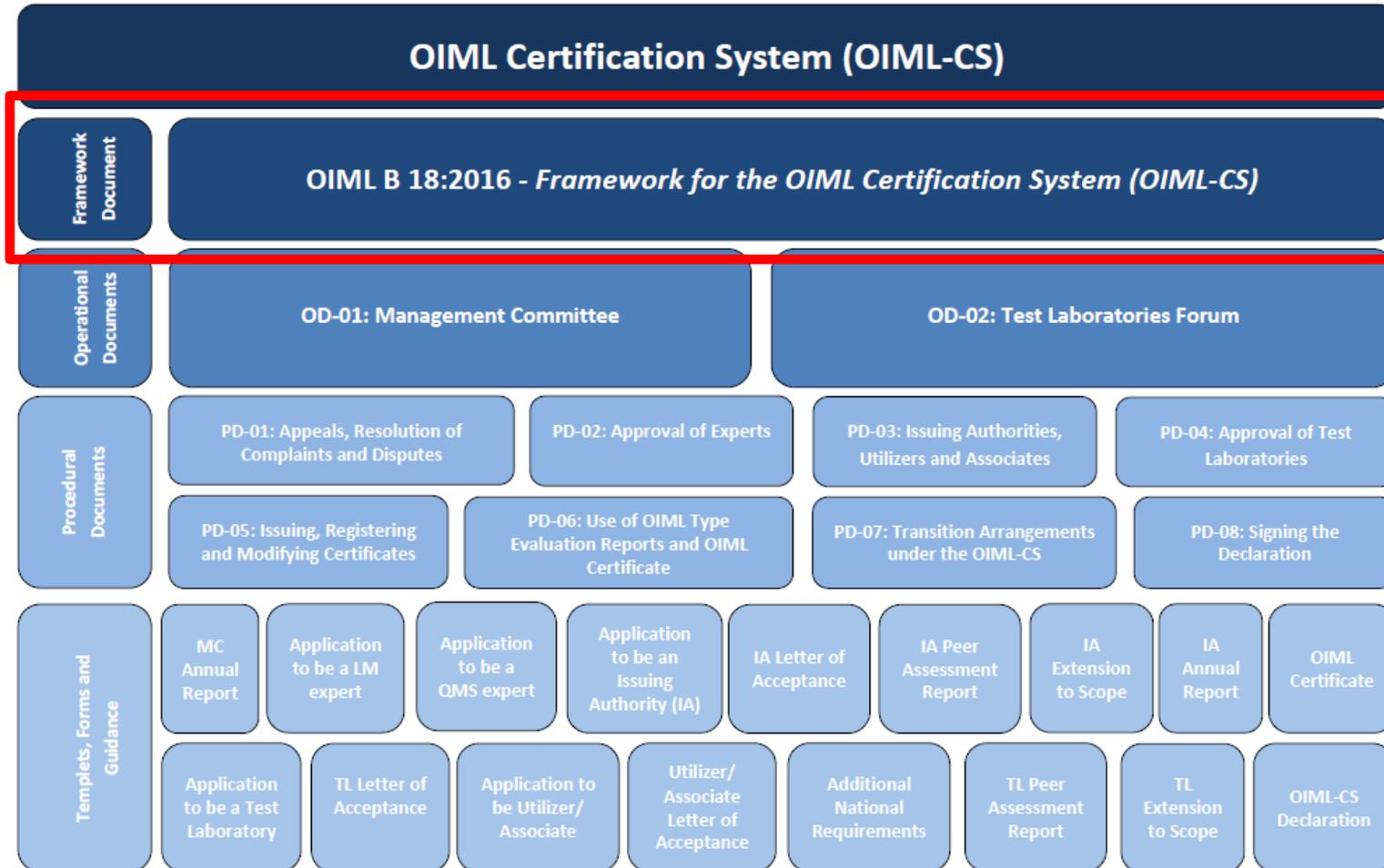
Document Structure





OIML Certification System (OIML-CS)

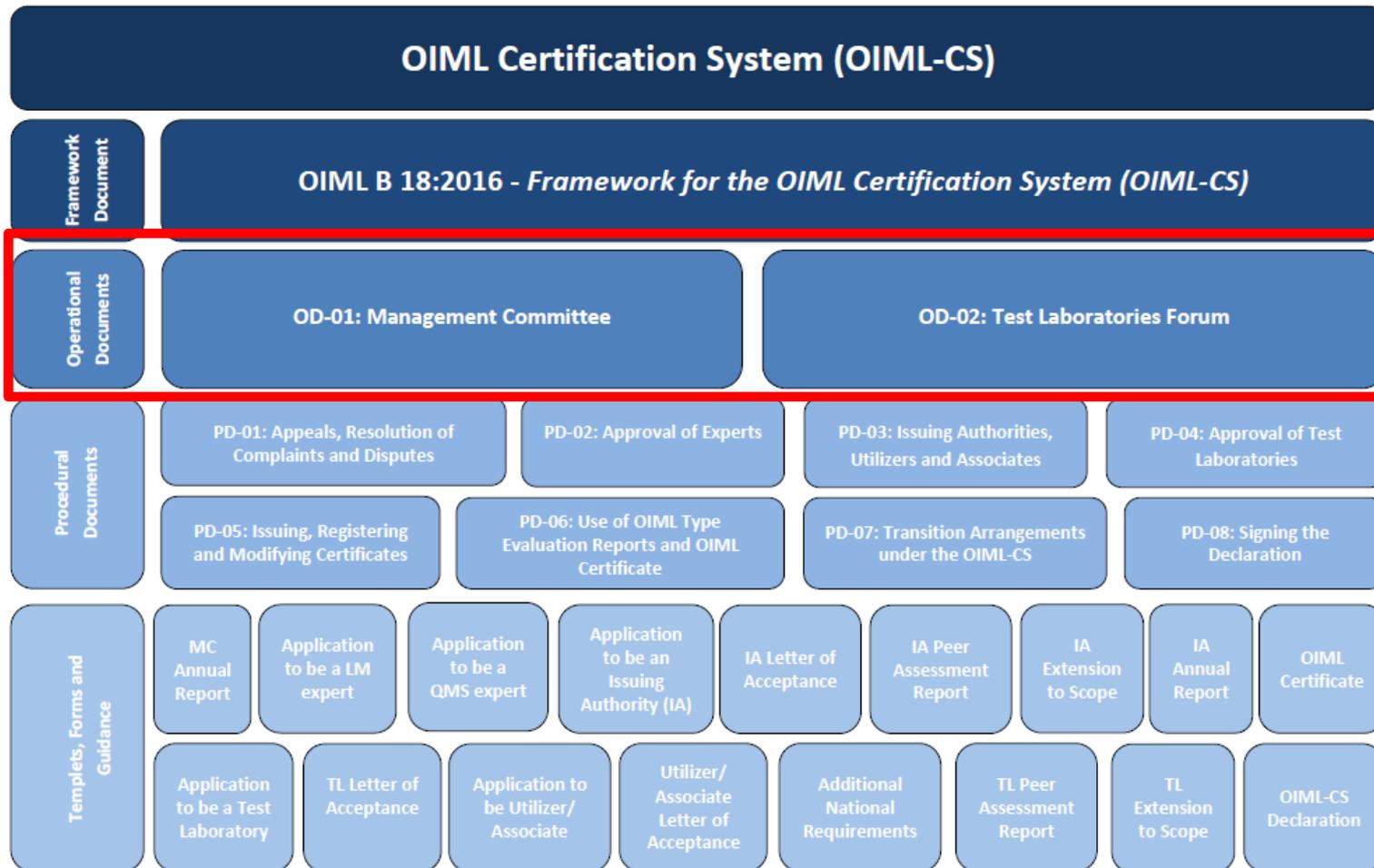
OIML B 18 - Framework





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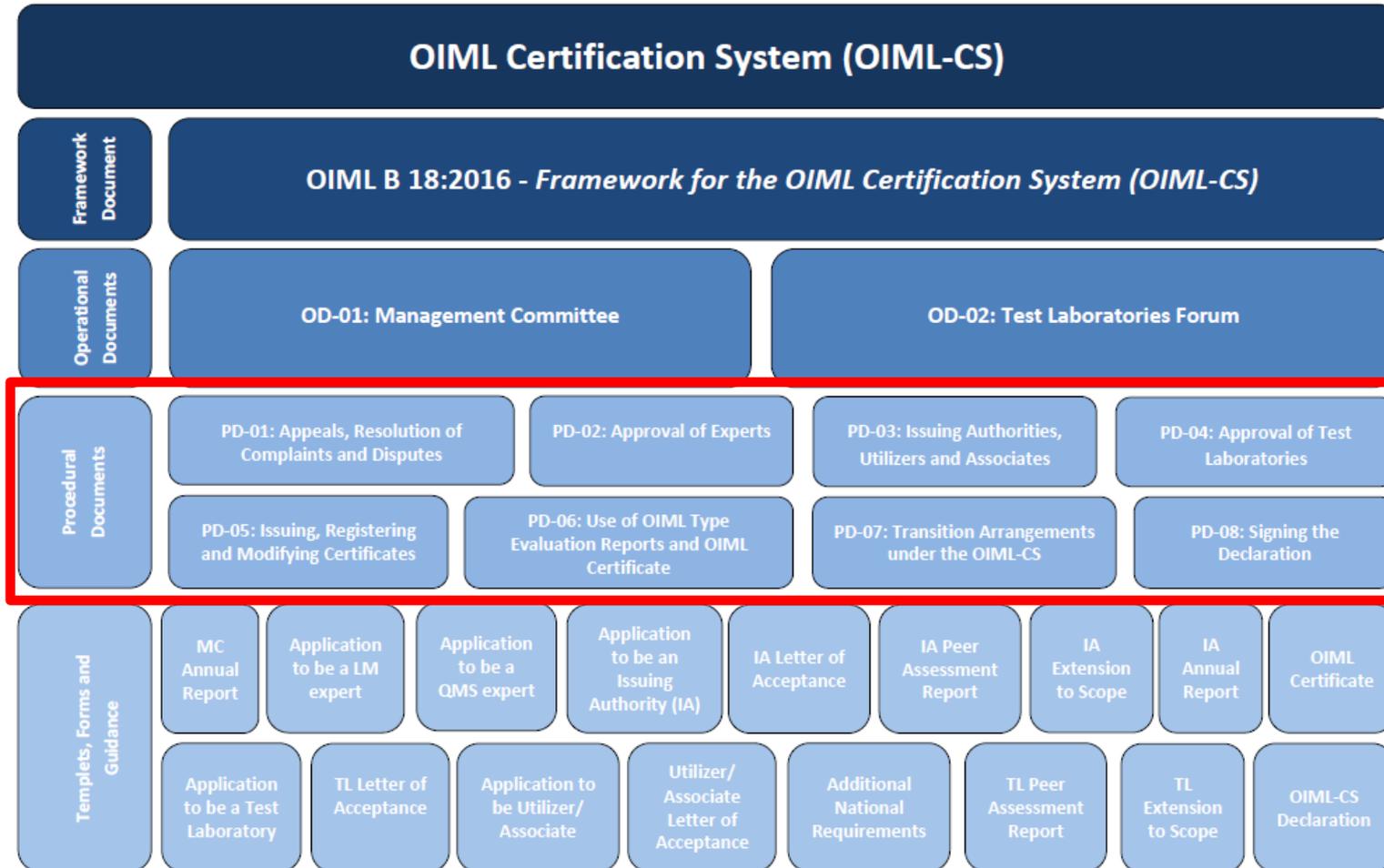
Operational Documents





OIML Certification System (OIML-CS)

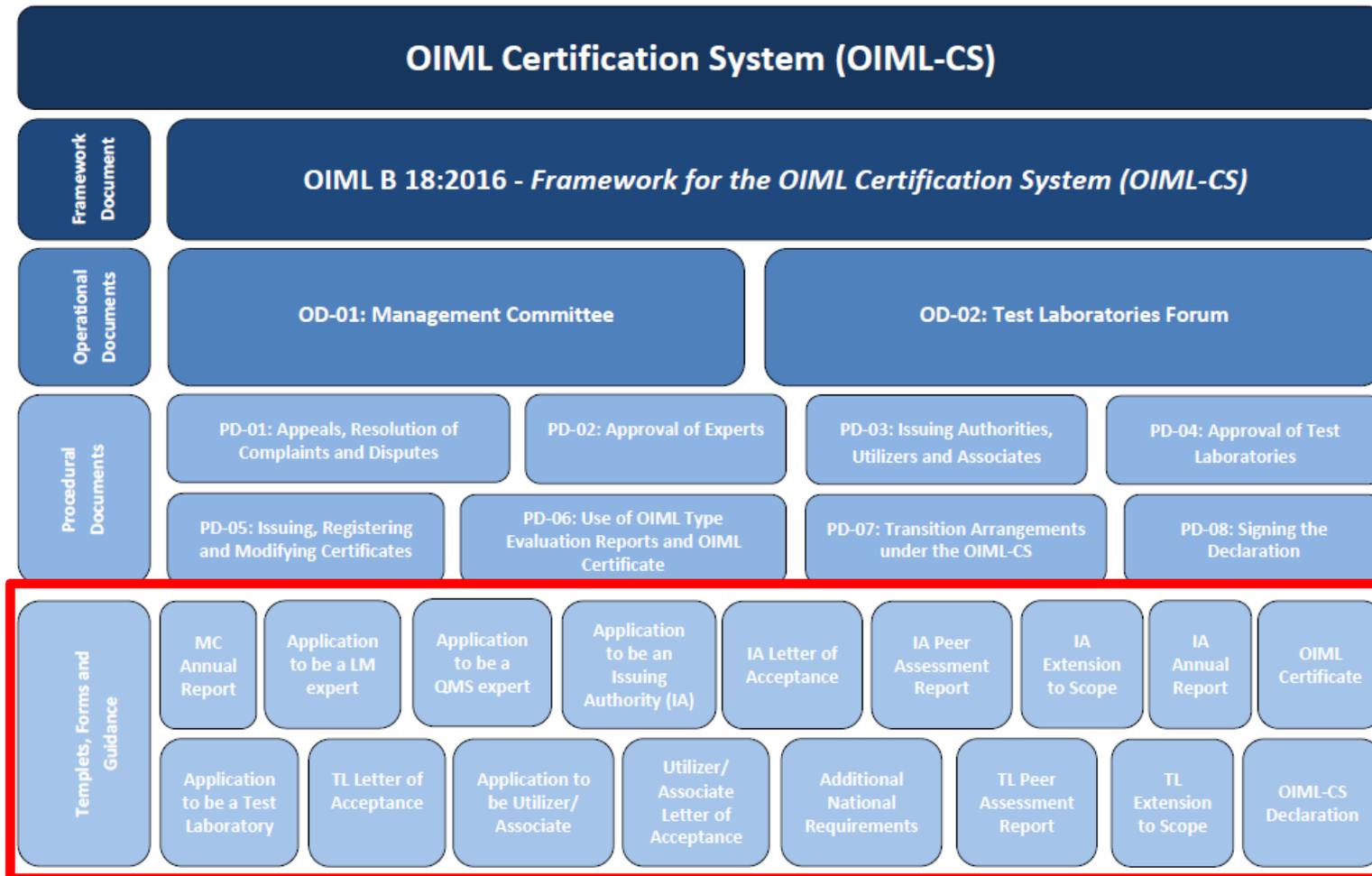
Procedural Documents





OIML Certification System (OIML-CS)

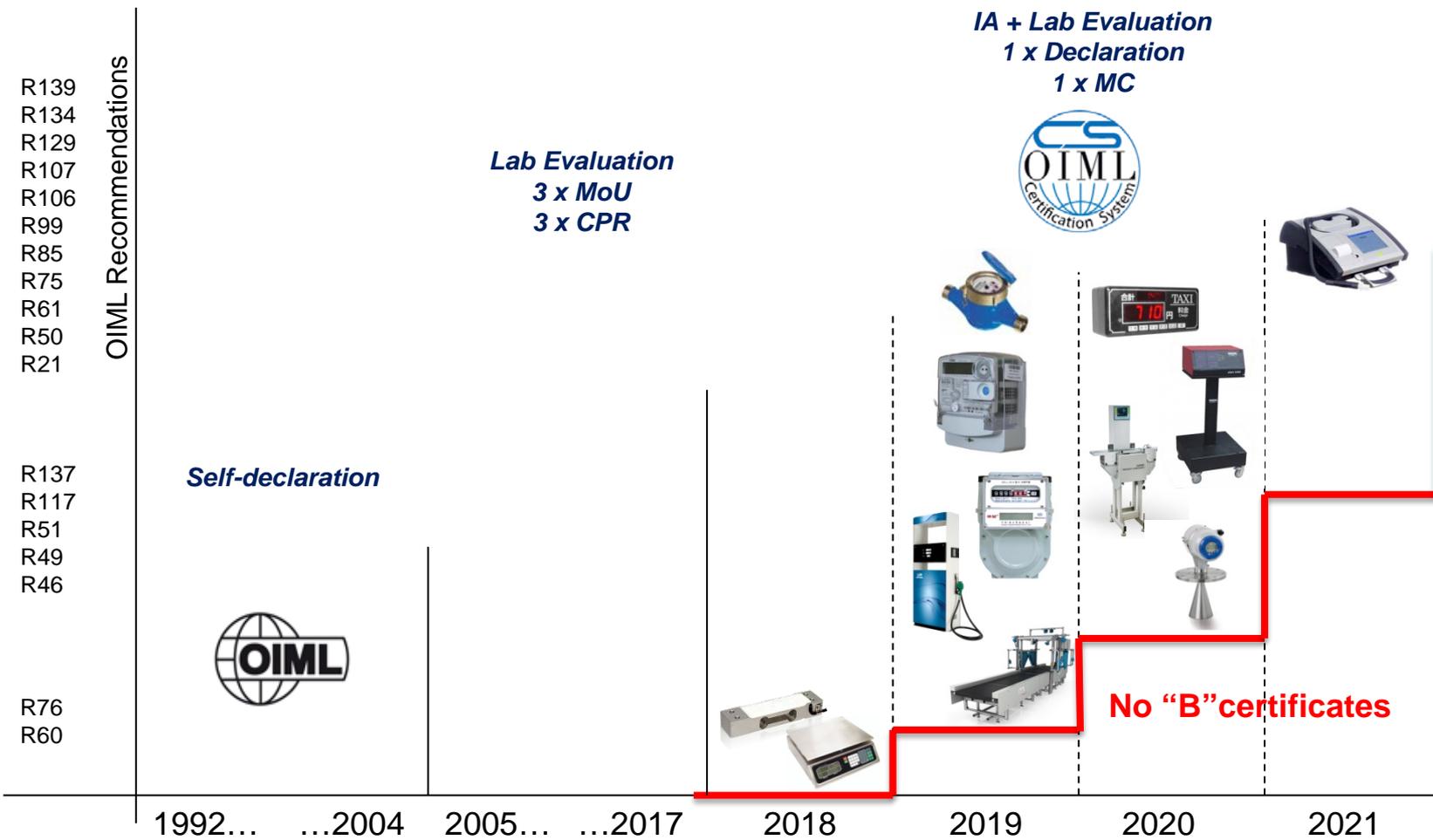
Templates, Forms and Guidance





OIML Certification System (OIML-CS)

Implementation of the OIML-CS





OIML Certification System (OIML-CS)

Implementation of the OIML-CS

Measuring Instrument Category	Recommendation	Entry to OIML-CS on 1 January 2018		Transition from Scheme B to Scheme A
		Scheme A	Scheme B	
Taximeters	R 21		✓	01 January 2020
Active Electrical Energy Meters	R 46		✓	01 January 2019
Water Meters	R 49		✓	01 January 2019
Continuous Totalisers	R 50		✓	01 January 2020
Automatic Catchweighers	R 51		✓	01 January 2019
Load cells	R 60	✓		
Automatic Gravimetric Filling Instruments	R 61		✓	01 January 2020
Heat Meters	R 75		✓	01 January 2020
Non-automatic Weighing Instruments	R 76	✓		
Level Gauges for Stationary Storage Tanks	R 85		✓	01 January 2020
Vehicle Exhaust Emissions	R 99		✓	01 January 2020
Automatic Rail-weighbridges	R 106		✓	01 January 2020
Discontinuous Totalisers	R 107		✓	01 January 2020
Liquids other than Water	R 117		✓	01 January 2019
Multi-dimensional Measuring Instruments	R 129		✓	01 January 2020
Weighing Road Vehicles in Motion	R 134		✓	01 January 2020
Gas Meters	R 137		✓	01 January 2019
Compressed Gaseous Fuel systems for Vehicles	R 139		✓	01 January 2020





OIML Certification System (OIML-CS)

Implementation of the OIML-CS

- From **01 January 2018** only OIML-CS Certificates (with new logo) will be issued, i.e. there will be no new Basic or MAA Certificates
- Existing MAA and Basic certificates will remain valid, and OIML-CS participants can declare conditions under which they will accept existing certificates and type evaluation reports
- Existing test data can be used for issuing OIML-CS certificates under certain conditions





OIML Certification System (OIML-CS)

OIML-CS webpages

ABOUT PUBLICATIONS STRUCTURE CERTIFICATES EVENTS TECHNICAL WORK

Home → Certificates → OIML-CS → Important information

CERTIFICATES

- General information
- Basic certificates
- MAA certificates
- Search registered certificates
- Documentation

OIML-CS

- Important information
- OIML-CS Seminar
- General information on the new OIML-CS
- Structure
- Transition arrangements
- Info for OIML Issuing Authorities
- Info for potential Utilizers and Associates
- Info for manufacturers
- Documentation

Admin

Important information



A single OIML Certification System (OIML-CS) from 1 January 2018

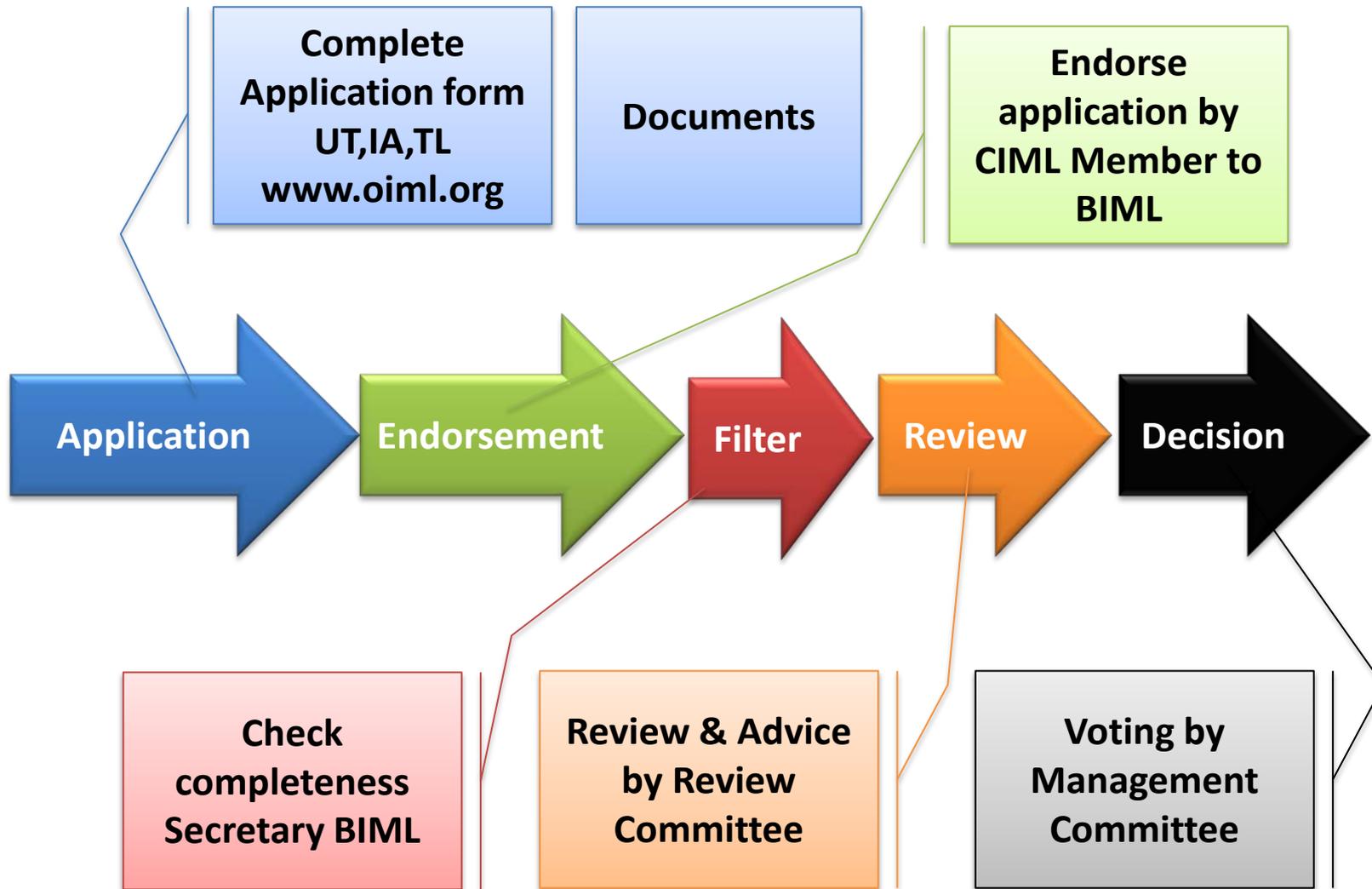
At its meeting in October 2016, the International Committee of Legal Metrology (CML) decided that the existing OIML Certification Systems, i.e. the Mutual Acceptance Arrangement (MAA) and the OIML Basic Certificate System, will cease on 31 December 2017 and will be replaced by a Single OIML Certification System (OIML-CS) on 1 January 2018. The consequence is that after 1 January 2018 both OIML MAA Certificates and Basic Certificates will no longer be issued – instead, OIML-CS Certificates will be issued.

This will affect all stakeholders: manufacturers, Issuing Participants and Utilizers under the MAA, Issuing Authorities under the Basic System and users of OIML MAA and Basic Certificates. Therefore a Seminar on the new OIML-CS will be held in conjunction with the 52nd OIML Meeting on 9 October 2017.





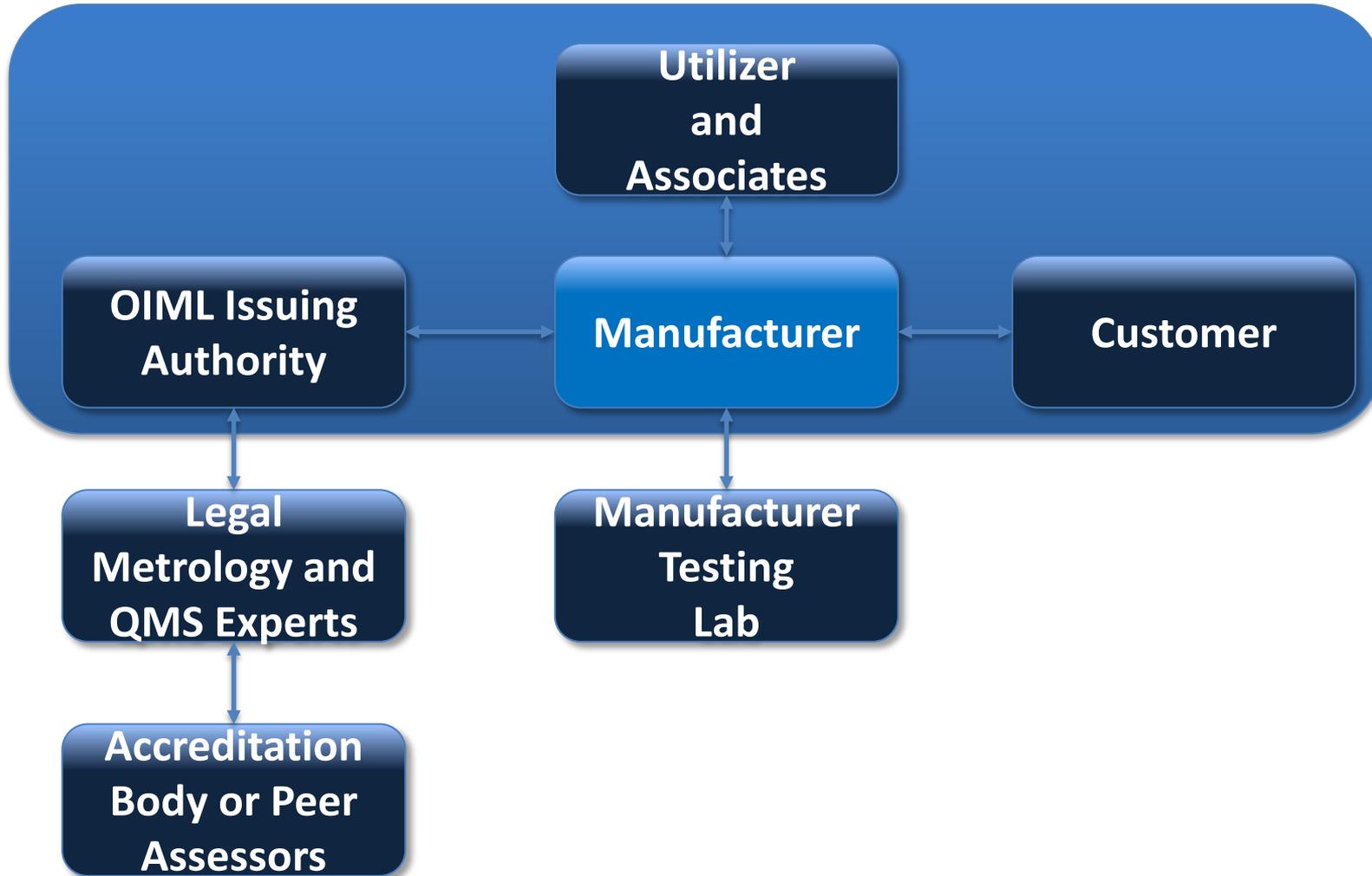
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Expected Benefits of the OIML-CS





OIML Certification System (OIML-CS)

Summary of Benefits

The new OIML-CS represents a certification system for the whole (OIML) world.



The benefits are:

- **international harmonized requirements for measuring instruments**
- **highly reduced bureaucratic efforts saving time and money**
- **more trust in a worldwide system of mutual recognition**





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