



Organisation Internationale de
Métrologie **Lé**gale
International Organization of
Legal Metrology

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Revision of OIML R 76

Paul Dixon
BIML Assistant Director
OIML-CS Executive Secretary

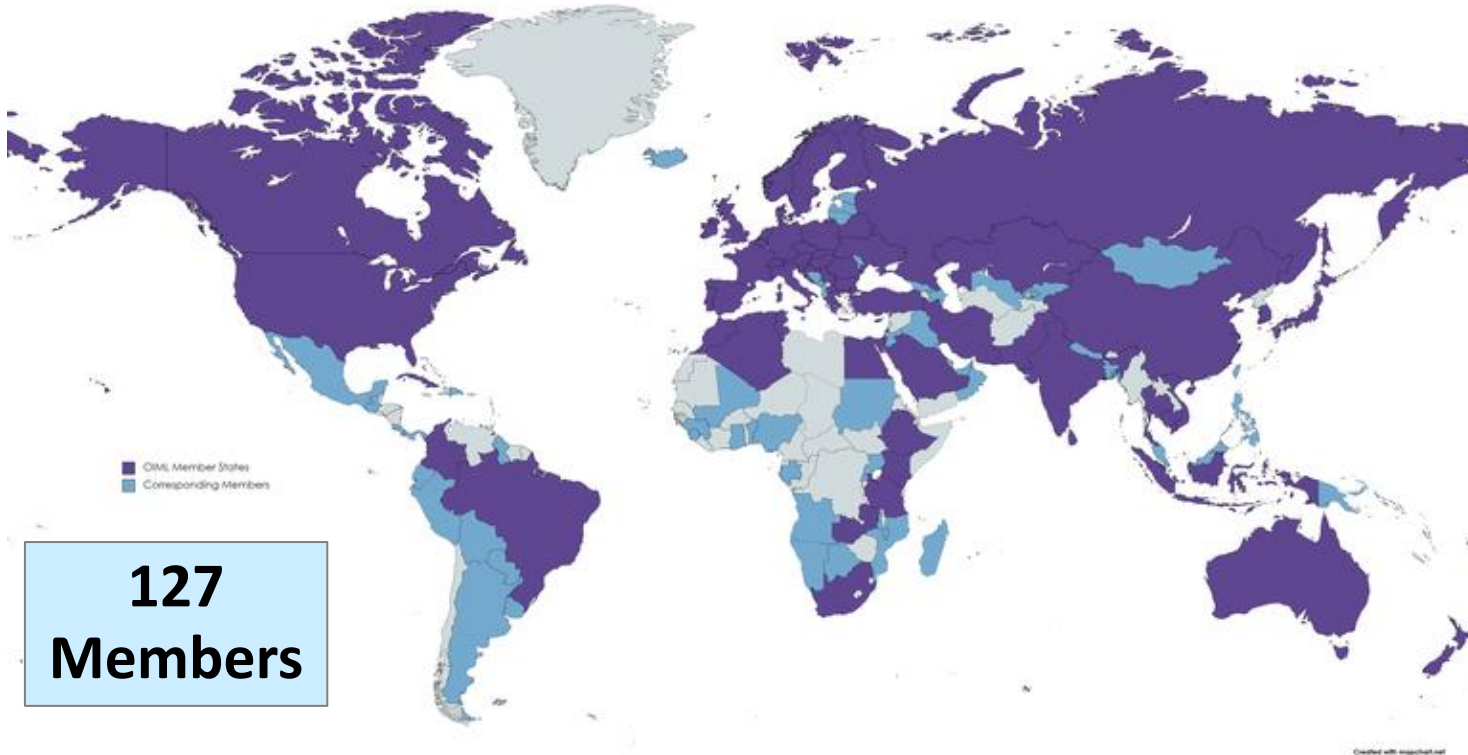


Introduction to the OIML

- Intergovernmental treaty organization, established in 1955
- International standards setting organisation under the terms of the WTO/TBT Agreement
- OIML publications should therefore be applied, when appropriate, by all signatories of the TBT Agreement when developing technical regulations
- OIML mission:
“Enable economies to put in place **effective legal metrology infrastructures** that are mutually compatible and internationally recognized, **for all areas** for which **governments** take responsibility, such as those which **facilitate trade**, **establish mutual confidence** and **harmonise the level of consumer protection** worldwide.”



OIML Membership



- 64 OIML Member States
- 63 OIML Corresponding Member Countries



OIML Recommendations

- Intended as model regulations for a number of categories of measuring instruments
- OIML Member States are morally obliged to implement as far as possible
- Currently 104 Recommendations
- Recommendations have four (five) Parts:
 - Part 1 – Metrological and technical requirements
 - Part 2 – Test procedures
 - Part 3 – Test report format
 - Part 4 – Type evaluation report format
 - Part 5 – Verification (optional)



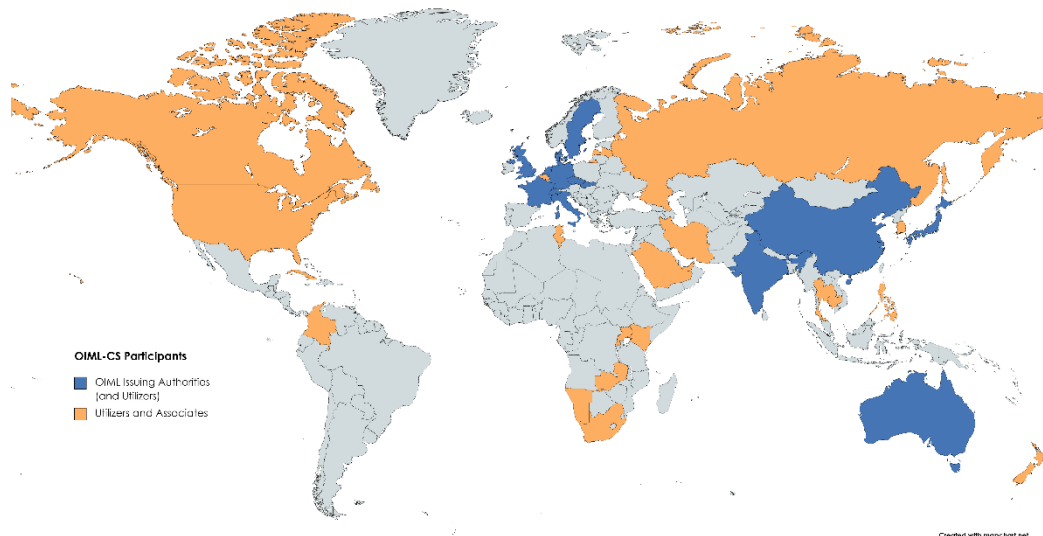
OIML Certification System (OIML-CS)

- Launched in 2018 to replace the Basic System and MAA
- Promotes global harmonisation, avoids unnecessary re-testing, establishes mutual confidence
- OIML certificates and associated reports used as the basis for obtaining national or regional approval
- Two Schemes
 - Scheme B (self-declaration)
 - Scheme A (OIML Issuing Authorities and Test Laboratories demonstrate competence through the use of accreditation or peer assessment)
- 40 categories of measuring instrument are now in the OIML-CS
 - 39 categories in Scheme A
 - R 111 *Weights* in Scheme B (transition to Scheme A in Nov 2025)



OIML Certification System (OIML-CS)

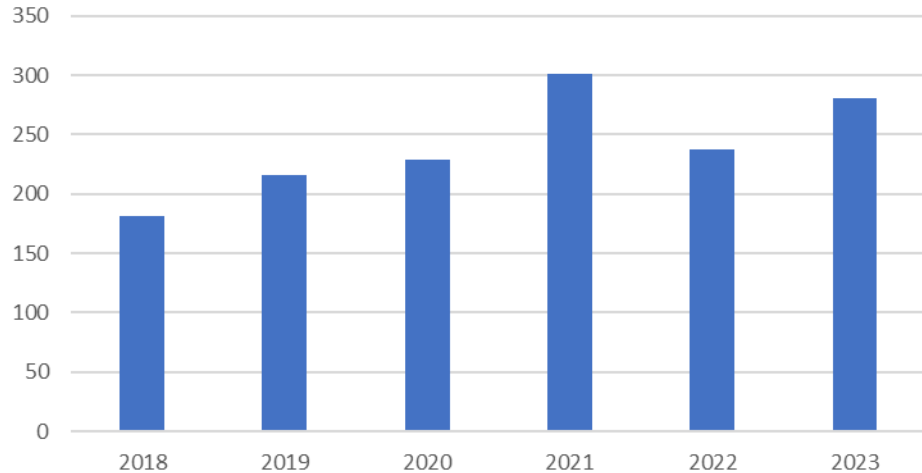
- 14 OIML Issuing Authorities and 27 Test Laboratories are now approved under the OIML-CS
 - New OIML IA and TL from India (August 2023)
 - New OIML IA and TL from Italy (January 2024)
- 37 Utilizers and Associates
 - Italy and Thailand are the most recent countries to join as Utilizers



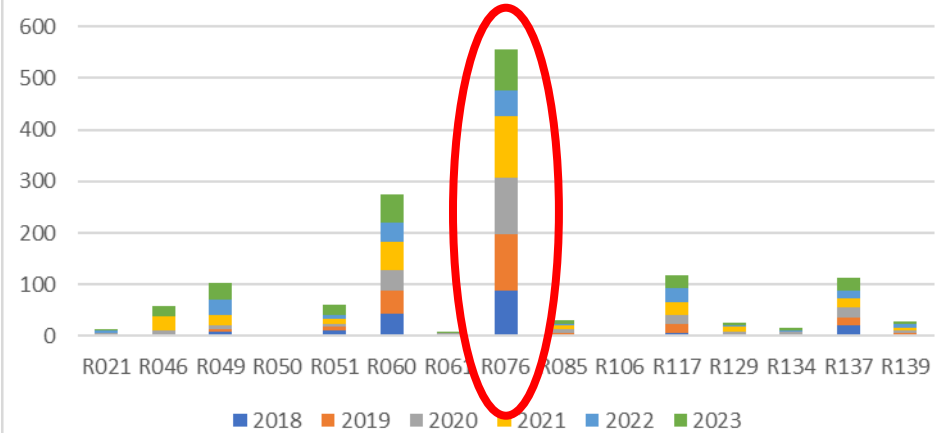


OIML Certification System (OIML-CS)

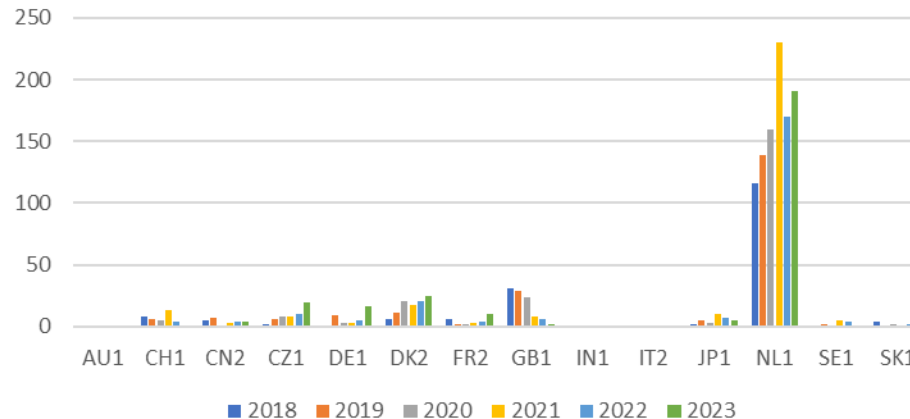
OIML-CS certificates (2018 - 2023)



OIML-CS certificates by Recommendation (2018 - 2023)



OIML-CS certificates by OIML Issuing Authority (2018 - 2023)





OIML R 76:2006

Non-automatic weighing instruments

- OIML R 76 applies to *non-automatic weighing instruments*
- Originally edition published in 1992
- Revised edition published in 2006 (test report format in 2007)
- Used as the basis for EN 45501 – harmonised standard used to demonstrate compliance with the essential requirements of the NAWI Directive (2014/31/EU)
- OIML R 76-1 *Metrological and technical requirements – Tests*
- OIML R 76-2 *Test report format*
- R 76 falls under the responsibility of OIML TC 9/SC 1

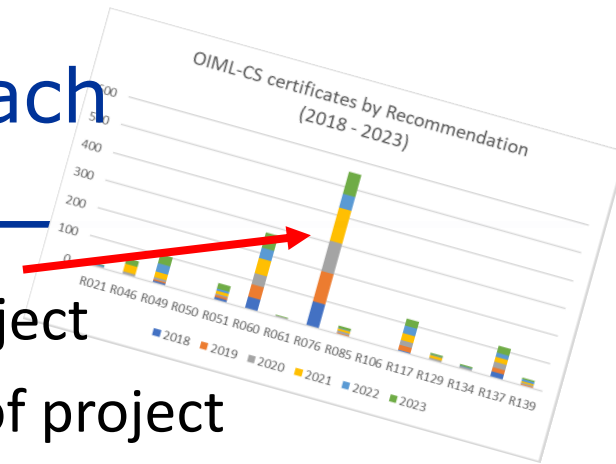


Revision of R 76:2006

- Project proposal to revise OIML R 76 approved by the CIML in October 2016
- Project Group TC 9/SC 1/p 1 established
- Germany and France co-conveners
- Main areas of revision project identified:
 - Structure, Terms & Definitions
 - Modular Approach
 - Software
 - Harmonisation with other documents
 - Verification
- Subgroups established
- 1WD developed, subgroups made progress, e.g. software, verification



Two-phase approach



- Revision of R 76 categorised as a high-priority project
- Presidential Council concerned by slow progress of project
- Proposal to divide project into two phases
- Phase 1
 - Create new structure (five Parts) using existing work (1WD), enhanced software requirements and verification requirements
 - Controversial or unresolved issues to be put aside until Phase 2 (approach successfully adopted with recent revisions of other OIML publications, e.g. D 31)
 - Aim for CIML approval in October 2024 (strict timescale/deadlines proposed)
 - BIML to support editorial work to generate the Parts for the 1CD
- Phase 2
 - Further revision of all parts of the new R 76 (from Phase 1) to deal with more controversial or unresolved issues



Two-phase approach

- Project Group meeting held to discuss the plan
- Suggestions from the Project Group
 - *Simply* split into the five Parts with **no technical changes**
 - Continue work on project with no change to approach
 - Close project and restart (with the same co-conveners)
- However, the decision for the two-phase approach was implemented
- Co-conveners decided not to continue
- BIML took over as convener of the Project Group
- 1CD revision of R 76 developed
 - Separated into the five Parts
 - Based on 1WD that had been developed by the Project Group
 - Incorporated software and verification requirements developed by subgroups
 - 1CD circulated for comment on 3 July 2023 (deadline of 3 October 2023)



Response to the 1CD revision

- Concerns expressed (by CECIP) regarding multiple editions of R 76 (“revision chaos”)
- 550 comments received on the 1CD
- Negative feedback from some Project Group members regarding the approach being taken
 - Some suggestions to *simply* separate into five Parts or close project and restart
- Two-phase approach considered not to be optimal
- Presidential Council supported move to a single phase
 - Difficult to *simply* separate into five Parts as R 76-1:2006 contains a mix of requirements, notes, test procedures, etc.
 - Enable all necessary technical changes to be incorporated in a single revision
 - Timeline extended to October 2025



Project Group meeting (March 2024)

- Project Group meeting held on 12 March 2024 to communicate this new approach
- Initial plan to produce a 2CD based on BIML responses to comments received on the 1CD
- Key items identified that require input from the Project Group (subgroups)
- Proposal not to vote on 2CD to allow for further technical comments
- Project Group supported the opportunity to provide additional technical comments and to move to a single phase revision
- Decision to issue a 1.1CD (with the changes already incorporated to address responses to comments on 1CD) for PG comment



Key items

	Subject	Comment no
1	All cross-references need to be updated/corrected (internal, between parts and external)	Throughout
2	Software requirements to aligned with D 31	0141, 0168, 0174, 0203
3	Definitions – restructure, align with VIM/VIML/D 31/D 11 + is it necessary to repeat definitions, e.g. from VIM?	0026, 0034,
4	Additional definitions needed: in-service, authorised person, direct sales to the public/consumer, plus and minus instruments	0090, 0141, 0215, 0215, 0221, 0253, 0259
5	Multiple uses for same symbol/abbreviation	0056, 0057, 0058
6	Appropriate use of indication vs display throughout Recommendation + requirements for primary/secondary/auxiliary/extended	0037, 0084, 0221, (0319)
7	Mobile instruments – indoor/outdoor/vehicle mounted/ vehicle incorporated / ship mounted/shopping trolley Are these categories still correct and/or the best way of organising the requirements and testing?	0018, 0109, 0110, 0269, 0270, 0343
8	Modules and rounding errors	0094
9	Load cells – R 60 creep test, temperatures to be used, requirements for digital load cells Consider differences between R 60 and R 76	0113, 0337, 0404, 0405
10	Are some common instruments missing from examples or requirements?	0293, 0294
11	Zero tracking and zero-setting	0318
12	Test with extended indication	0319
13	Scope of subsequent verification	0471, 0472
14	Introduce requirements for remote verification	0467
15	Recommended verification intervals	0525
16	Gravity variation markings	0545



Next steps

- **1.1CD** issued on **30 April** to the Project Group for further technical comments
- Deadline for comments of **30 July**
- Subgroups re-activated to address the key items
- Further work by the BIML to address the structure and terminology
- 2CD will be developed based on responses to comments on 1.1CD (and 1CD) and the work of the subgroups
- **2CD** will be circulated to the Project Group for **vote and comment**



Next steps

- If vote successful, a **Draft revision** of R 76 will be circulated to the CIML for a preliminary online ballot (POB) (3-month period)
- If the POB is successful a **Final Draft revision** will be submitted to the CIML for approval (at the 60th CIML Meeting in **October 2025**)
- The OIML thanks CECIP for their contribution so far, including comments on 1CD
- **Welcome and encourage CECIP comments on 1.1CD ...**
- ... but should be **one set of comments** that **represent the views and opinions of CECIP** (not individuals)



Questions

Thank you for your attention

Paul Dixon
BIML Assistant Director
OIML-CS Executive Secretary

paul.dixon@oiml.org

www.oiml.org/en