



Agenda Item 14.1.3:

Publication approval: Revision of OIML D 10:2007

Guidelines for the determination of recalibration intervals of measuring equipment used in testing laboratories

Information

FINAL DRAFT
DOCUMENT

57th CIML Meeting

2022

SUBMITTED
FOR CIML
APPROVAL

Revision of D 10:

ILAC-G24/OIML D 10: Guidelines for the determination
of recalibration intervals of measuring equipment used
in testing laboratories

(Information)



ORGANISATION INTERNATIONALE
DE MÉTROLOGIE LÉGALE

INTERNATIONAL ORGANIZATION
OF LEGAL METROLOGY

Result of CIML online voting

Type: CIML Preliminary online ballot

Title: Revision of D 10: Guidelines for the determination of recalibration intervals of measuring equipment used in testing laboratories -

Deadline: 2022-06-21

Status: Closed

Result:

Voted **Yes**: 35

Voted **No**: 0

Abstain: 0

Country	Vote	Comments
ALBANIA	Voted Yes on 2022-06-20 14:25:11	
AUSTRALIA	Voted Yes on 2022-05-16 01:52:09	
AUSTRIA	Voted Yes on 2022-06-13 10:30:45	Yes
BELARUS	Voted Yes on 2022-06-14 07:54:22	
BULGARIA	Voted Yes on 2022-06-14 09:26:20	
CANADA	Voted Yes on 2022-05-30 14:06:39	
CROATIA	Voted Yes on 2022-06-08 13:36:36	
CUBA	Voted Yes on 2022-04-22 16:30:28	
CYPRUS	Voted Yes on 2022-06-08 07:10:57	
CZECH REPUBLIC	Voted Yes on 2022-03-21 17:06:27	
FINLAND	Voted Yes on 2022-06-10 14:53:02	

Country	Vote	Comments
FRANCE	Voted Yes on 2022-06-21 08:06:55	
GERMANY	Voted Yes on 2022-06-09 15:57:26	Yes
HUNGARY	Voted Yes on 2022-06-13 12:40:21	
INDIA	Voted Yes on 2022-05-31 16:14:29	
IRAN	Voted Yes on 2022-06-13 05:10:31	
ITALY	Voted Yes on 2022-06-21 11:37:01	
JAPAN	Voted Yes on 2022-06-17 08:28:31	Yes
KOREA (R.)	Voted Yes on 2022-05-03 03:23:08	
MONACO	Voted Yes on 2022-03-21 13:45:49	
NEW ZEALAND	Voted Yes on 2022-06-16 12:22:24	
NORWAY	Voted Yes on 2022-06-08 09:18:18	
POLAND	Voted Yes on 2022-06-09 13:00:53	Yes
PORTUGAL	Voted Yes on 2022-05-28 12:53:37	
ROMANIA	Voted Yes on 2022-04-04 09:22:50	
RUSSIAN FEDERATION	Voted Yes on 2022-06-07 13:57:48	
SAUDI ARABIA	Voted Yes on 2022-06-13 08:26:13	
SERBIA	Voted Yes on 2022-06-08 12:12:35	
SLOVAKIA	Voted Yes on 2022-06-17 12:27:58	
SLOVENIA	Voted Yes on 2022-05-18 12:50:34	
SWITZERLAND	Voted Yes on 2022-05-30 09:49:10	
TURKEY	Voted Yes on 2022-06-08 08:32:13	

Country	Vote	Comments
UKRAINE	Voted Yes on 2022-04-28 12:37:37	
UNITED KINGDOM	Voted Yes on 2022-06-13 11:16:11	
UNITED STATES	Voted Yes on 2022-06-17 13:50:57	

Template for comments and convener's observations

Date:2022-06-22

Document: TC4_P9_N034

Project: TC4_P9

Country Code ¹	Part	Clause/ Subclause	Paragraph/ Figure/Table	Type of comment ²	Comments	Proposed change	Convener's responses
0001 DE				ge	As concerns ILAC 0014: Originally it was accepted to set a definition for an undefined term. The entire term has now been deleted. Nevertheless, in our opinion, at least one piece of information is missing for clarification, which should be included at the appropriate location.	Note: Establishing and maintaining traceability can be done by means such as, but not limited to: <ul style="list-style-type: none"> •defining calibration periodicity •defining process control measures •defining intermediate checks 	Accepted The following Note was added in the clause 4.1: <i>Note:</i> Establishing and maintaining traceability of measurement results can be done by means such as, but not limited to: –defining calibration periodicity –defining process control measures –defining intermediate checks
0002 ILAC		Whole document		Ge	The document has now reached a stage where it is very clear and helpful to laboratories and CAB's dealing with measurement..		
0003 ILAC		3.		Te/Ed	In some definitions reference is to VIM which is under revision. To make the document more explicit consider refer to VIM3 instead.	Change VIM to VIM3 everywhere VIM occurs.	In the chapter 3, there are references to VIM3. The reference to VIM is only in the Note 3 of the clause 3.13. I propose to do not change it as it is the exact definition of the "measurement result" from the VIM3.
0004 PL		3.	Terms and definitions	te	The term of certified reference material (CRM) is used in the document D10 in the subclause 3.11 (Example) and 3.19 (Note 2, point a). Unfortunately, the definition of certified reference material (CRM) is not described in the terminology of the clause 3 "Terms and definitions" of the document D10. It is worth noting that the definition of CRM is one of the definitions widely described in clause 5 of the VIM3 and in the clause 3 of the ISO 17034:2016, and CRM as a term is also often used in the content of the ISO/IEC 17025:2017 and CIPM MRA-G-13:2021.	It is proposed to add the definition of the term certified reference material (CRM) to the terms and definitions given in the clause 3 of the document D10 due to its key role in fulfilling the requirements described in ISO/IEC 17025:2017 and ISO 17034:2016. The definition of CRM could be taken from VIM3 (5.14) or ISO 17034:2016 (3.2).	Accepted The definition of the "certified reference material" was added to the chapter 3.

1 Country code (enter the ISO 3166 two-letter country code, e.g. CN for China)

2 Type of comment: ge = general te = technical ed = editorial

Template for comments and convener's observations

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Country Code ¹	Part	Clause/ Subclause	Paragraph/ Figure/Table	Type of comment ²	Comments	Proposed change	Convener's responses
0005 PL		3	Terms and definitions	te	The term of reference material (RM) is used in the document D10 in the subclause 3.16 and 3.14 (Note relating to the examples and note of VIM3, in particular to VIM3, 5.1. Example 6 and Note 1). Unfortunately, the definition of reference material (RM) is not described in the terminology of the clause 3 "Terms and definitions" of the document D10. It is worth noting that the definition of RM is one of the definitions widely described in clause 5 of the VIM3 and in the clause 3 of the ISO 17034:2016, and RM as a term is also often used in the content of the ISO/IEC 17025:2017.	It is proposed to add the definition of the term reference material (RM) to the terms and definitions given in the clause 3 of the document D10 due to its key role in fulfilling the requirements described in ISO/IEC 17025:2017 and ISO 17034:2016. The definition of RM could be taken from VIM3 (5.13) or ISO 17034:2016 (3.3).	Accepted The definition of the "reference material" was added to the chapter 3.
0006 AT		3.4		ed	Hyphen (bullet point?) at the end of the paragraph	Remove hyphen	Accepted
0007 ILAC		3.5		Te	This definition is introduced to the 3CD of OIML D10/ILAC G24. However the term, first introduced in ISO/IEC 17025:2017, is not defined as a procedure. This introduction has not caused discussions or problems in the accreditation community so far. Basically D10/G24 cannot redefine a "program" as a "procedure" as that would heavily interfere with the wording in an ISO standard. Since a "programme" according to English dictionaries means "a plan of activities to be done" it is felt that the term "calibration programme" does not warrant a definition..	Delete the introduced paragraph.	The definition of the "calibration program" was already removed in POB.
0008 ILAC		3.14		Ed	In most of the D10/G24 measurement results are abbreviated to "results" similar to the wording in ISO/IEC 17025:2017.	Consider to add as a short title below "result of measurement": "for D10: result"	Not accepted I propose to do not introduce the term "result" in 3.14 to avoid incorrect interpretation because the meaning of the "result" in the text of D10 is not always in connection with the measurement.

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² Type of comment: ge = general te = technical ed = editorial

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Date:2022-06-22

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0009 ILAC		3.17		Te	Measuring equipment is a term used in ISO/IEC 17025 clause 7.7.1 e) and equipment is further defined in clause 6.4.1 exactly identical to this definition. That causes ambiguity. As both the OIML CS and the ILAC Arrangement relies on fulfilling ISO/IEC 17025:2017 this quote is not needed as it further introduces a conflict with terminology.	Delete this definition and then subsequently delete any reference to ISO 10012 in OIML D10/G24 (there is also a reference to 10012 in 4.1 and then in references [4])	The definition of the measuring equipment in the 3.17 was already modify to be in line with ISO/IEC 17025 and any references to ISO 10012 in D10 was deleted in submitted POB.
0010 ILAC		3.19		Ed	Add a note that for D10 a measuring equipment as defined/used in ISO 17025:2017 clauses 6.4.1 and 6.4.7 is considered equivalent to a measuring system. This better aligns VIM terminology with terminology in ISO/IEC 17025. It is thus suggested to delete definition 3.17 as that is not consistent with ISO/IEC 17025 terminology.	Add a Note 2: "for D 10: Measuring equipment may be considered equivalent with measuring system." To ensure consistency, delete clause 3.17.	Not accepted. The definition in 3.19 in submitted POB is related to the reference quantity value, not to the "measuring equipment". For definition of the measuring equipment in the 3.17, see response given in 0009 ILAC above – "The definition of the measuring equipment in the 3.17 was already modify to be in line with ISO/IEC 17025 and any references to ISO 10012 in D10 was deleted in submitted POB."
0011 ILAC		3.20		Te	The definition "reference measurement standard" or "reference standard" is not used anywhere in the body of the document and not needed among definitions. D10 uses always measurement standard, which is absolutely preferable.	Delete this definition.	The definition "reference measurement standard" or "reference standard" was already deleted in submitted POB.
0012 ILAC		3.21		Te	The defining text of VIM3 cl. 5.18 is missing. Further the defined term is not used in the body text of the document.	Delete this definition.	Not accepted The text of VIM3 cl. 5.18 was already added in submitted POB. Term "reference value" is used in the document (see e.g. 4.2, 6.2.1).

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0013 ILAC		4.1		Te	ISO 10012 has no role in either the OIML CS and the ILAC Arrangement anymore and should not be referenced.	Delete "ISO 10012 [4]" from the 7 th line of the clause.	It was already deleted in submitted POB.
0014 JP1	NA	6.7.2 For comparison of methods	Table 1.	Ed.	"Method 5 ⁽¹⁾ ..." in the first right column and second line is written with parentheses. However, "1" in "Foot Note" is written with a parenthesis. Using a parenthesis is correct.	Correct "(1)" of "Method 5 ⁽¹⁾ ..." needs to be written with a parenthesis, not parentheses, as shown below. Present: <i>Method 5⁽¹⁾...</i> Correct: <i>Method 5¹⁾...</i>	Accepted

C:\Users\luis_\Documents\comments\505-AUSTRIA-p9-D10_POB_2022-03_Comments BEV (Austria).docx: Collation successful

C:\Users\luis_\Documents\comments\505-GERMANY-p9-220609_D10_POB_2022-03_Comments_Germany.docx: Collation successful

C:\Users\luis_\Documents\comments\505-JAPAN-p9-D10_POB_2022-03_Comments_JP.docx: Collation successful

C:\Users\luis_\Documents\comments\505-POLAND-p9-D10_POB_2022-03_Comments_template_comments GUM Poland.docx: Collation successful

C:\Users\luis_\Documents\comments\TC4_P9_N029-4 CD OIML D10 commentstemplate_ILAC Feb 2022.docx: Collation successful

Collation of files was successful. Number of collated files: 5

SELECTED (number of files): 5

PASSED TEST (number of files): 5

FAILED TEST (number of files): 0

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