

DRAFT  
RECOMMENDATION

**DR 1**  
**(Inf.)**

12th OIML Conference  
Berlin 2004 (Item 5.4)

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### **New Recommendation**

Instruments for measuring the area of leathers.  
Part 1: Metrological and technical requirements - Tests

*Results of the postal ballot, comments received  
and Secretariat's reactions*

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Type of vote

Postal preliminary vote of Recommendations ▼

Project

Instruments for measuring the area of leathers

Deadline

19/08/2004

Updated on:

20/09/2004

Number of Member States	59

Votes received	35
Abstentions	3
"Yes" votes	32
"No" votes	0
Comments	5

Member State

Y N A Comments

ALBANIA	X			N
ALGERIA				
AUSTRALIA	X			Y
AUSTRIA	X			N
BELARUS	X			N
BELGIUM				
BRAZIL	X			N
BULGARIA				
CAMEROON	X			N
CANADA	X			N
CHINA	X			Y
CROATIA	X			N
CUBA				
CYPRUS				
CZECH REPUBLIC	X			N
DENMARK	X			N
EGYPT	X			N
ETHIOPIA				
FINLAND			X	N
FRANCE				
GERMANY	X			N
GREECE				
HUNGARY			X	N
INDIA				
INDONESIA				

Member State

Y N A Comments

IRAN				
IRELAND	X			N
ISRAEL				
ITALY				
JAPAN	X			N
KAZAKHSTAN				
KENYA				
KOREA (D.P.R.)	X			N
KOREA (R.)	X			N
MACEDONIA (Former Yugoslav Rep.)	X			N
MONACO				
MOROCCO				
NETHERLANDS	X			Y
NEW ZEALAND	X			N
NORWAY			X	N
PAKISTAN				
POLAND	X			N
PORTUGAL				
ROMANIA	X			N
RUSSIAN FEDERATION	X			N
SAUDI ARABIA	X			N
SERBIA AND MONTENEGRO	X			N
SLOVAKIA	X			Y
SLOVENIA	X			N
SOUTH AFRICA	X			N
SPAIN				
SRI LANKA				
SWEDEN	X			N
SWITZERLAND	X			N
TANZANIA				
TUNISIA				
UNITED KINGDOM	X			Y
UNITED STATES				
VIET NAM	X			N

Comments resulting from the postal CIML DR for Instruments for measuring the area of leather.

*Notes:*

*In order to simplify the representation of the many and very detailed comments the original comments have been represented in the following table as a synopsis.*

*There is no intention to represent a differing view from that in the original and full submission of the comments.*

*Thus in considering a response to a comment the original should be consulted.*

*These are to be found in the attached Annex, numbered and each paragraph lettered for easier referencing.*

*It is hoped that in looking at a comment it will be seen within the context of other comments from the same member.*

*Furthermore the secretariat's initial comments are not those expressed by the members of TC7/SC3 rather a possible starting point for debate.*

TC MEMBER /LIAISON	Section	Brief Summary of member Comments	Secretariat initial Comments
Australia	:3.9.1	Fifth bullet point. '... see 2.3.1' should be '... see 2.3.1.2'.	Modified.
	2.9.1.1	Delete first bullet point. A special temperature range is a mandatory marking and if applicable, should be shown under clause 3.9.1. The temperature range need not be shown in the markings if the range is +5°C to +40°C (see clause 2.3.1.1),	Agree. Deleted.
	4.1.4	Delete this subclause. This has already been stated in clause 4 (for 'the pattern'). VIML clause 2.5 states in part '... "Pattern" is used in legal metrology with the same meaning as "type"...'.	Agree. Deleted.
	5.3.2	This clause relates to 'initial verification <u>tests</u> '. Checking descriptive markings is an <u>examination</u> process; therefore delete the first bullet point.	Disagree. Initial verification includes tests, and examination of any descriptive markings on the instrument or supplied operational documentation (see 5.3.1)
	62 2.1	Change to 'The template shall be presented to the measuring zone, laid out as flat as can be achieved without creases or folds. Feed the template at different points across the face of the conveyor to ensure that the entire measuring zone of the instrument is verified'.	Agree. Modified.
	7	'Third sentence. Change '... their leather characteristics ...' to '...the leather's characteristics ...'	Modified.
	A.3.3	Last sentence. Change 'The handling of the instrument...' to 'The conditioning of the instrument...'	Modified,
	A.4.2	Reference to clause A.2 ( <u>examination</u> for initial verification) is incorrect and should be deleted, as clause A.4 relates to <u>tests</u> .	See Secretariat's comments to 5.3.2.

TC MEMBER /LIAISON	Section	Brief Summary of member Comments	Secretariat initial Comments
CHINA	2.3.1.1	<p>Temperature limits The temperature limits is now +5<sup>o</sup> C to +40<sup>o</sup> C. The operation temperature range of the instrument is larger than the one stated in the recommendation of the old version which is 1+5<sup>o</sup> C to +35<sup>o</sup> C. It can bring stricter requirement for the linear expansion coefficient of template material. We wonder if it's propitious to the contrast of the instruments from various countries</p>	The recommended temperature limit is +5 <sup>o</sup> C to +40 <sup>o</sup> C. However, the manufacturer may specify other temperature limits in accordance with 2.3.1.1 and 2.3.1.2.
	6.1.1	<p>Template When the template is used in the verification of the instrument, we suggest that the confirm value of the template area should be given. We think that this can be propitious to the contrast of the instruments from various countries. (The confirm value of the template area was given in the old version Recommendation).</p>	The metrological organisation should determine the area of the templates to be used in accordance with 6.1.1, 6.1.2 and 6.2. References can be made to Bibliography [9] and [10].
	3.2.2	<p>Accidental maladjustment 1) Maladjustment is an uncountable noun. So the article "a" should be taken off. 2) The title of 3.2.2 is "Accidental maladjustment". But the following sentences discuss two effects to the instrument – accidental breakdown and maladjustment of control elements. These two should not be combined into one word "accidental maladjustment". We suggest "Accidental breakdown and maladjustment".</p>	Agree. Modified.
	3.2.3	<p>Security 1) "Unauthorised" should be "unauthorized". 2) Prohibit detect and made evident these three verbs describe sequence actions, not possibly happen. It can be changed as follows: "to which unauthorized access is prohibited and can be detected and made evident by an audit trail".</p>	1) Final wording will be dependent on the BIML published Recommendation. 2) Agree. Modified.
	6.2	<p>Test At the end of the second paragraph of page 25, there should be a ")"</p>	Agree. Modified.

TC MEMBER /LIAISON	Section	Brief Summary of member Comments	Secretariat initial Comments
NETHERLANDS	<p data-bbox="344 370 422 391">General</p> <p data-bbox="344 873 422 894">T.4.10</p> <p data-bbox="344 1024 422 1045">2 OR 3</p>	<p data-bbox="493 370 1348 618">To facilitate the application of OIML Recommendations as a format for legislation (the main purpose of OIML Recommendations), we in general highly prefer to have OIML Recommendations split up in 3 or 4 clearly separated parts (or chapters):  <b>Part 1:</b> the legal requirements for the instruments;  <b>Part 2:</b> about "Metrological control";  <b>Part 3:</b> contains the tests for the type-approval;  <b>Part 4:</b> Test Report Format (to be drafted later) for the type tests.  (Parts 2 and 3 might be combined, so in that case there will be only 3 Parts.)  As a result, Part 1 might be suitable to be proposed as a normative standard under the European "MID" (deleting the "superfluous" MPE's in clause 2.2.1 and "superfluous" scale intervals in clause 3.3.1.3).</p> <p data-bbox="493 643 1348 846">The proposed draft can easily be changed to this concept:  <b>Part 1:</b> clauses up to and including 4.3.7, except:  the sentence in clause 3.4.1 "A description of the operation ...should be included in the type approval certificate".  - The last paragraph of 3.7 "where particular ...type approval certificate." These should be moved to Part 2.  Part 2: Clauses 4.4- 7  Part 3: Annex A  <b>Part 4:</b> Test Report Format (to be drafted later) for the type tests.</p> <p data-bbox="493 870 1348 935">According to our opinion, the "reproducibility error" should be a property of the (individual) instrument. Therefore we suggest to remove the 1<sup>ST</sup> bullet "<i>leather-measuring instrument (i.e....)</i>"</p> <p data-bbox="493 984 1348 1230">In Europe, these instruments will have to comply with the new European "Measurement Instruments Directive" (MID); in particular Annex MI-009, Chapter III (area measuring instruments). In the definition of an area measuring instrument in the MID, measuring of leather has been mentioned explicitly.  Therefore, this new OIML Recommendation can only be applied in the EU if:  - there is no discrepancy between this Recommendation and the MID  - All essential requirements from the MID are covered by the OIML Recommendation.  In this draft recommendation, we miss at least one requirement from the MID:  <i>"clause 3 Presentation of the product</i>  <i>In the case of pulling back or stopping the product, it should not be possible to <u>have an error of measurement</u> or the <u>display must be blanked</u>."</i></p>	<p data-bbox="1386 370 1755 618">Agree in principle. However it is important to comply with the requirements for drafting OIML Recommendations given in the BIML 'Directives for technical work'. The Netherland's proposal will need to be discussed with BIML and the technical committee, and for this Recommendation, time is a limiting factor.</p> <p data-bbox="1386 873 1545 894">Agree. Modified.</p> <p data-bbox="1386 1052 1734 1073">Agree. New subclause 3.3.3 added.</p>

TC MEMBER /LIAISON	Section	Brief Summary of member Comments	Secretariat initial Comments
NETHERLANDS	2.2.1	According to our opinion, the specification of the accuracy class is the responsibility of the Manufacturer. And this shall be checked during the type tests and initial verification. (Also refer to our remark to A.9.2 on page 45.)	Agree. Subclause 2.1 modified.
	2.3.3	We do not understand the need that a battery-powered instrument complies with the requirements at an operating voltage of 20 % higher than the nominal voltage. We suggest to bring this requirement in compliance with draft OIML D 11.	Agree. Modified.
	3.8.2.a	Replace "must" by " <i>shall</i> "	Modified.
	6.3	Remove 6.3: This clause is neither a definition, nor a requirement, nor a test.	Agree. 6.3 deleted. References in other clauses made to T.4.8 which is the same as 6.3.
	7	9 <sup>th</sup> line, the word "calibration". it is really " <i>calibration</i> " meant here, or " <i>adjustment</i> " or " <i>verification</i> "	Changed to 'verification'.
	SYMBOLS	We suggest to move these abbreviations/symbols to the definitions.	Disagree. Complies with OIML Recommendation structure.
	A.1.3	If our suggestion for 3 or 4 parts is accepted, change the reference accordingly.	See Secretariats comments to 'General' above.
	Table 10	We do not understand why the requirements related to digital radio telephones are depending on place where the instrument will be installed: Is it likely that in "heavy industrial applications" more powerful telephones will be used or that they will be used in closer distance to the instrument?	Digital phones may be used in close proximity to the instruments and can influence the measurement results.
	A.9.1	The 1 <sup>st</sup> sentence of the 2 <sup>nd</sup> clause of A.9.1 relates to type approval. It is not logical to have this text under the heading A.9, called "Verification Tests".	Agree. Modified.
	A.9.2	The result of this calculation shall comply with the manufacturer's specifications. (Also refer to our remark to 2.2.1 on page 11)	Agree. Inserted.
	BIBLIOGRAPHY	Please check the references (WEB-site IEC /draft OIML D 11) Several of the IEC standards referred to are completed by amendments  IEC 60068-2-56 has been withdrawn and replaced by IEC 60068-Z-78 (2001)  IEC 51000-4-6(2003) Add some more details about [10]; Author, Published by ... (publisher, magazine, )	Agree. Modified.

TC MEMBER /LIAISON	Section	Brief Summary of member Comments	Secretariat initial Comments
SLOVAK	T.1.8	We suggest to add: ...of circular, oblong or ...form.	Agree. Modified
	T.3.5 T.4.11 T.5.2 T.5.3	Following definitions not in compliance with definitions in VIM: T.3.5 with VIM 5.4 T.4.11 with VIM 3.9 T.5.2 with VIM 5.5 T.5.3 with VIM 5.7	The terminology definitions are derived from the broad definitions in the VIM but in the Recommendation are closely associated with the instruments leather measurement characteristics.
	A.6.1.1	Add test conditions for tests of mechanical device (T.2.1) concerning the speed and stability of revolutions of feeding cylinder.	Agree. Modified



TC MEMBER /LIAISON	Section	Brief Summary of member Comments	Secretariat initial Comments
UK	2.3.1.3	<p>Note: New changes in <i>italics</i>. Insert new sub-clause 2.3.1.3 as follows:</p> <p><i>Temperature effect on no-load indication</i></p>	Agree. Modified.
	2.9.2	<p><i>The indication at zero or near zero shall not vary by more than one scale interval for a difference in ambient temperature of 5 °C.</i></p> <p>Modify the note in 2.9.2 as follows:</p>	Agree. Modified.
	Table 2	<p>Note: The minimum operating voltage is defined as the lowest possible operating voltage <u>specified by the manufacturer</u>.</p> <p>Modify Table 2 to include test for '<i>Temperature effect on no-load indication</i>'</p>	Agree. Modified.
	A.6.2.2	<p><u>Insert new sub-clause as follows:</u></p> <p>A.6.2.2 <i>Temperature effect on the no-load indication (2,3.1.3)</i> <i>There are no applicable standards. This test should be conducted as described below. The instrument shall be set to zero and then changed to the prescribed highest and lowest temperatures as well as to 5 °C if applicable. After stabilisation the error of the zero indication shall be determined. The change in zero indication per 5 °C shall be calculated. The changes of these errors per to 5 °C are calculated for any two consecutive temperatures of this test.</i></p> <p><i>This test may be performed together with the temperature test in A.6.2.1. The errors at zero shall then be additionally determined immediately before changing to the next temperature and after the 2 hour period after the instrument has reached stability at this temperature.</i></p> <p><i>Note: Preloading is not allowed before these measurements.</i></p> <p><i>If the instrument is provided with automatic zero-setting or zero-tracking, it shall not be in operation.</i></p> <p><i>Condition of EUT: Normal power supplied and "on" for a time period equal to or greater than the warm-up time specified by the manufacturer. Power is to be "on" for the duration of the test.</i></p>	Agree. Test inserted.
	A.6.2.5	<p>Insert the changes to A.6.2.5 as follows:</p> <p>Voltage variations of a battery or plug-in power supply (AC or DC) Electronic instruments with <i>battery</i>, external or plug-in power supply (AC or DC) shall fulfill the tests in A.6.2, with the exception of A.6.2.4 which is to be replaced by the following test:</p>	Agree. Modified.



TC MEMBER /LIAISON	Section	Brief Summary of member Comments	Secretariat initial Comments
SLOVAK	Table 11	Modify Table 11 as follows:  150 <del>k</del> Hz to 80 MHz	
	Table 12	Modify Table 12 as follows:  MPE* _	

Deleted: K

\* as specified in 2.2.4