

**Template for comments and responses after discussion at TC8/SC1 p6 meeting
(Base of the comments is the numbering of the last Draft of October 2015)**

Date: 2015-12-02/03

Document: 2CD OIML R80-2

1	2	(3)	4	5	(6)	(7)
MB ¹	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of comment ²	Comment (justification for change) by the MB	Proposed change by the MB	Response after discussion at TC8/SC1 p6 meeting in Maulburg 02./03.12.2015
CECOD	2.2.1		te	Add the possibility to use part certificates for the level gauge device and compartment / tank	Add the following bullet points - if available type examination certificate for the measuring compartment / tank - if available type examination certificate gauge measuring device	Accepted, Both bullet points are included
China	2.2.1		te	5 bullet point: instead of "their use" add "application case"		Accepted , whole bullet was removed
CECOD	2.2.5		te	It consists of several devices, therefore change "gauge measuring device" A hint to the possibility to issue a separate evaluation certificate	Change to "gauge measuring system" Add the following sentence A separate type evaluation certificate for the gauge measuring device can be issued	Accepted Accepted, added as a note
China	2.2.5		te	Include safety considerations like ATEX		Not accepted (Part 2 deals only with metrological procedures, but not with safety requirements). A general hint concerning safety aspects is in 2.1.3
CECOD	2.3		ed	Change for better understanding For components of the measuring system which cannot or only partially be tested within the whole system, e.g. temperature sensors, it is recommended to test them separately and to document the test results in a suitable way and in accordance with the applicable national regulations. Unless stated otherwise, all instruments or parts having undergone one of these separate tests for initial verification shall be marked and, if necessary, sealed.	New sentence "Test results of measuring system components which are tested separately for initial verification has to be documented in a suitable way and in accordance with the applicable national regulations. Unless stated otherwise, all components undergone these tests shall be marked as initial verified and, if necessary, sealed."	Comment was accepted. Not accepted, chapter deals with type evaluation
CECOD	2.3.1, 2.3.2, 2.3.3, 2.3.4, 2.3.5,		ed	Why "separate"	Delete "Separate"	Accepted

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

NOTE Columns 1, 2, 4, 5 are compulsory.

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	2.3.6					
CECOD	2.5.1		te	Additional test requirement	New sentence "It has to be checked that the lack of auxiliary energy to actuate valves during the delivery including which include the residual volume delivery should not have an influence on the accuracy. "	Not accepted, It is not possible to create new requirements in Part (Part 1 does not include such a requirement).
CECOD	2.5.2.4.1		te	Add the following test	New sentence "The auxiliary energy has to switch of ones during the measurement. This should have any influence to the accuracy."	No change – see above
CECOD	2.5.2.4.2		te	Add the following test	New sentence "The auxiliary energy has to switch of ones during the measurement. This should have any influence to the accuracy."	No change – see above
CECOD	2.3.4.3		edit	Delete "Proposal", The test stand is a real working test stand	Change to "Example"	Accepted The whole chapter has moved to a separate Annex A
CECOD	2.3.4.4		edit	The tests are required "Necessary tests for production"	Change to "Float production tests"	Accepted – see Annex A
CECOD	2.3.4.4.1		edit	Change "Determination immersion depth of the float"	Delete "of the float" Change to "Determination of immersion depth"	Not accepted, change not necessary

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CECOD	2.3.4.4.2		edit	Change "Checking the physical dimensions of the float"	Change to "Physical dimension test"	Accepted, corresponding statements are in 2.4.2.1 under the bullet "Float"
CECOD	2.3.4.2.1		te	Specify the duration and temperature Test and acceptance criteria missing	Add In the case that the chemical resistance of the float material is not proved it has to be tested. Tests have to be made with corresponding testing fluid 1 and the typical fluids for its later use for 96h at 22 °C +/- 5 K . The physical dimensions have not change more than 173 of the tolerances specified in 2,3,4,2,4	Not accepted, A general statement concerning chemical resistance is in 2.3.3.2.1, the responsibility is by the manufacturer
CECOD	2.3.4.2.2		te	Add duration of the pressure test and specify the pressure Test and acceptance criteria missing	Change to The float has to be tested for 10 min. with 1.5 of the tank working pressure for which it is intended, for tanks with a working pressure not exceeding 0.5 bar the float has to be tested with 0.75. The float has to withstand this pressure test without deformation, cracks or change the physical characteristics.	Accepted See new wording of 2.3.3.2.2 "Pressure resistance"
CECOD	2.3.4.3.2		ed	Change "Calibrating the test stand calibration set up with a reference float"	Change to "test stand calibration" Add "reference" to first sentence The value A1 has to be determined when the reference float	..Accepted – see Annex A
China	2.5.2.1		ed	Add the definition of maximum permissible error on height measurement (MPE _n)		Accepted
China	2.5.2.1		ed	Pre-verification: Float	Use the same denotation for the height variables	Accepted

¹ For instance: FAM testing fluid for polymer materials; Composition and requirements. DIN 51 604-1: 1982-11

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CECOD	2.5.2.1		ed	Pre-verification: Temperature sensor	Use in the description "tempüerature sensor" instead of "temperature probe"	Accepted
CECOD	3		te	Change of chapter 3 headline PERFORMANCE TESTS FOR APPROVAL OF ELECTRONIC MEASURING SYSTEMS	New headline "Performance tests for part evaluation certificate of gauge measuring systems"	Not accepted
CECOD	3-4-4		Tech	Random noise is not a test for tank truck equipment	Change to "sinusoidal vibration"	Not accepted

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