

Collated comments and convener's observations

Date:2019-09-10 (replied on 2019-12-19)

Document: *OIML D yy Pipe Provers for testing measuring liquids (1CD)*

Project: TC8 / p8

Country Code ¹	Part	Clause/ Subclause	Paragraph/ Figure/Table	Type of comment ²	Comments	Proposed change	Convener's responses
0001 CU					No comments		Thank you for your response.
0002 DK					None		Thank you for your response.
0003 FR					None		Thank you for your response.
0004 IR					No comments		Thank you for your response.
0005 JP				Ge	Because our proposals are already included in the 1CD, we have no more comment.	None.	Thank you for your response.
0006 KZ					No comments		Thank you for your response.
0007 PL					No comments		Thank you for your response.
0008 ZA					No Further Comment		Thank you for your response.
0009 UK				Gen	<p>It seems that these are suitable for factory verification of meters – not for verifying the complete instrument with all peripherals, such as air separator and nozzle, attached.</p> <p>Our concerns are about any form of test rig that partially dismantles an instrument to test it, e.g. at least one of our self-verifiers uses a test rig that requires the nozzle on an installed dispenser to be removed to carry out the test. IMHO this is unacceptable and does not guarantee that the complete, with nozzle, unit is working properly.....</p>		<p>Noted your comment. However, we could not make a change.</p> <p>We understood this comment referred practical application of pipe provers which is outside the scope of this document. This document proposes general technical requirements and calibration/verification methods applicable to pipe provers with a wide variety. A user or a local authority can design an original measuring system with a prover based on the requirements in the region. Some provers may be used outside for a measuring system with necessary peripherals.</p>
0010 US-1	all			gen	The US thanks the Japanese convener for this work on this revision to the pipe prover document.		Thank you for your comment.
0011 US-2	all			gen	The US tends to agree with the main comment submitted in this revision cycle by the UK colleagues. It is probably good this was changed to a D-document (from a Recommendation).		Refer our reply to the comment by UK (0009).

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

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0012 US-3	all			ed	The US has MANY suggestions for editorial changes to this 1CD (too many to list them all here). We propose that we could work directly with the Japanese Convener on these editorial suggestions for improvements to the document.		The convener appreciates the many US editorial suggestions for improvement to the document and has included many of them in the 2CD.
0013 US-4*	NA	Title and others	NA	Ge	Title of this document should be changed because “pipe” indicates small part of provers and the meaning of “testing” is too broad.	We recommend a new title “ Pipe Provers for <u>verification and calibration of testing</u> measuring systems for liquids”. In addition, the terms “pipe prover(s)” and “test” should be replaced with “prover(s)” and “verification and calibration” for the entire draft, respectively.	Partly agreed. The convener considers that “pipe” is still necessary because “prover” indicates measuring instruments/standards in too broad a range. There are different types of provers including standard tanks. The term “pipe” also includes a short straight cylinder used in flow measurements. Use of the expression “verification and calibration” is accepted and necessary changes throughout the document were made.
0014 US-5*	NA	5.3 and 5.4	NA	Te	In the present R 119, the maximum permissible errors for temperature/pressure measurements are expressed with accuracy. In 1CD of Dyy, they are expressed with a new form using uncertainty. However, errors in accuracy are still used widely in flow measurements including the specifications of measuring instruments. We prefer the original expressions rather than the new expression using uncertainty.	Use accuracy for temperature/pressure measurements.	Not accepted. Such an expression using uncertainty is already common in flow measurements in the NMIs (national metrology institutes). A measurement uncertainty is easily calculated from the value of accuracy assuming a rectangular distribution of errors.
0015 US-6*	NA	6.	NA	Ge	Chapter 6 introduces only three applications for petroleum, LPG under pressure and LPG dispensers. Other test procedures under appropriate OIML Recommendations, including R 49, R 81 and R 117, could be added.	Add more applications.	Agreed in principle but the proposal of addition was not accepted. Such test procedures should be mentioned in each applicable OIML Recommendation. There is no need for duplicating all test procedures in this Document. Instead, the convener proposes to treat this chapter as an example and to transfer it into an informative annex.

* The additional comments (0013-0015) were proposed orally from USA in Bratislava on 20 October 2019 and documented by the Convenor.

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