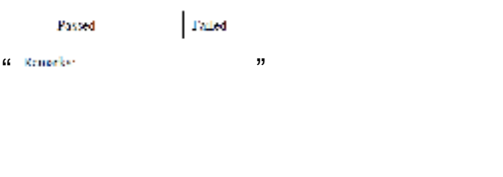




Template for comments on OIML TC 9/SC 2/ p 8/ R 61-3					
Comments on: OIML TC 9/SC 2/ p8/R 61-3			Workspace Document: OIML R 61-3	Title: <i>Automatic gravimetric filling instruments Part 3: Test report format</i>	Project: p 8 : Revision of R 61: Automatic gravimetric filling instruments
			Circulation date: 03 September 2015	Closing date for comments: 22 January 2015	
Secretariat: UK Mr Morayo Awosola			Morayo.awosola@nmro.gov.uk , National Measurement Office, United Kingdom		
Member /Liasion	Clause/ paragraph/ table	gen./ edit./ techn.	COMMENTS	PROPOSED CHANGE	OBSERVATIONS OF THE SECRETARIAT on each comment submitted
Austria	4.5	e	Due to a better handling it might be nice to have only one page instead of two.	Please try to shorten it to one page.	Amended.
Austria	4.3	t	Only two test points are foreseen. We might not examine the whole range. According to the test procedure we would appreciate a harmonised procedure like the temperature tests. Also in R76 this test mentioned at least 5 different test loads. Therefore we suggest considering more test points.	Please amend more lines for additional test points and create one page for each test (initial, high temperature and final) like it is done for the temperature tests.	Amended. Additional test points added.
Austria		g	For the disturbance tests only final evaluation statements (passed or failed) are foreseen. In the other tests no such statement is provided. Also in other OIML recommendations like R106 such statements are	Please amend a final statement (passed or failed) in all tests like it is done for the disturbance tests (e.g. 5.3) or like the following example.	Added as proposed.

			implemented for each test. In our opinion this is a good idea for the tester. We suggest implementing this also for the other tests.		
Austria	5.1	g	We do not understand the reason for shifting the condensing humidity test to disturbance tests. Even though we refer to influence factors in the headline. See also comment to R61-2 10.3.1	Please shift it back to the influence factor tests.	Amended as proposed by Germany and the Netherlands.
Austria	5.1 Table	t/g	The 3rd line is unclear to us. For clarification we would like to know how to deal with this line. Without an indication it would not be possible to notice an error. Therefore we would suggest amending an additional part, where the current indication without disturbance can be noticed. Anyway we would like this test to be considered as an influence test and handled like the non condensing humidity test.	Please adapt the table like the non condensing test mentioned in 4.3. If not, Please change the appropriate line for clarification and shift the “without disturbance” to the left, so that the indication can be noticed.	Tables amended.
POLAND			NO COMMENTS		
PTB, Germany	Identification...	edit.	As we commented on the term “simulator” before (when used in R61-	Replace “simulator” (within the meaning of a test set-up simulating a	Amended.

			2), we think that the term could be mixed up with “(load cell) simulator”.	complete instrument) with “simulated set-up”.	
PTB, Germany	Configurat ion...	edit.	As we commented on the term “simulator” before (when used in R61-2), we think that the term could be mixed up with “(load cell) simulator”.	Replace “simulator” (within the meaning of a test set-up simulating a complete instrument) with “simulated set-up”.	Amended.
PTB, Germany	Summary. ..	edit.	As we commented on listing “cyclic damp heat test” under “disturbance tests” (as well as in R61-2), we believe it is an influence test.	Shift it to a place / position behind 4.3 (Damp heat, steady state).	Damp heat, steady state and cyclic tests are now classified as influence factor test in 10.2.4 of R61-2.
PTB, Germany	1 Warm-up time	edit.	The form does not offer space for entering all the results. As per 10.2.1, h) more readings should be made (five within the first five minutes, five between 5 and 15 minutes and three between 15 and 30 minutes).	Insert more rows.	Extra rows added.
PTB, Germany	4.3 Damp heat, steady state	techn .	As this test is to be considered a static test (as for temperature) and similar to the same test in R76-1 we should offer the space for the same number of different load as for the static temperature test as per 4.1.	Insert more rows.	Extra rows added.
PTB, Germany	5.1 Damp heat, cyclic	techn .	An addition to shifting also this test is to be considered a static test (as for temperature) and similar to the same test in R76-1 we should offer the space for the same number of different load as for the static temperature test as per 4.1.	Shift the form and insert more rows.	Extra rows added.
PTB, Germany	5.2 and following	edit.	We should offer the opportunity to note also the climatic conditions at the end of the test because drift of	Remove grey fill in the boxes under “at end”.	Amended.

			e.g. temperature may affect the indication without disturbance and thus that should be observed.		
PTB, Germany	6 “Span stability”	edit.	We should offer the opportunity to note also the climatic conditions at the end of the test because when performing five measurements the temperature may drift while testing (depending on the load / number of loads being placed on the load receptor.	Remove grey fill in the boxes under “at end”.	Amended.
PTB, Germany	7 “Material testing”	edit.	We should offer the opportunity to note also the climatic conditions at the end of the test because it is most likely that the temperature drift before all sixty fill have been made and checked (especially when using the integral verification method).	Remove grey fill in the boxes under “at end”.	Amended.
PTB, Germany	8 “Load indicator performance”	edit.	We should offer the opportunity to note also the climatic conditions at the end of this test as well. Depending on the maximum load and the number of loads applied there could be enough time for the ambient temperature to drift. Any temperature drift, however, may affect the reference indication which is crucial when using the integral verification method.	Remove grey fill in the boxes under “at end”.	Amended.
PTB, Germany	Checklist	edit.	The references to R61-1 are obviously not completely correct (e.g. No. 4.1 is not assigned to “Accuracy classes” but to “Units of	References should be checked again.	References checked and amended where applicable.

			measurement”.		
JP 1	footer (p. 4)	Edit.	Please make a correction.	Correct the footer from R61- <u>2</u> to R61- <u>3</u> .	Corrected.
JP 2	Introducti on line 2 (p. 5) & through -out the document	Edit.	Both expressions <i>an automatic gravimetric filling instrument</i> and <i>AGFI(s)</i> are inconsistently used.	In <i>Introduction</i> , add (<i>hereafter referred to as “AGFI(s)” after an automatic gravimetric filling instrument</i> as written in <i>Scope</i> of R61-1 and R61-2. In addition, replace <i>automatic gravimetric filling instrument</i> with <i>AGFI(s)</i> hereafter.	Text added.
JP 3	Introducti on line 6-7 (p. 5)	Edit.	Instead of “Part 1”, “R61-1” is used in other places.	Replace “Part 1” with “R61-1”.	Amended.
JP 4	The type evaluation report 3 rd line (p. 7)	Edit.	Please make a correction.	Correct the expression of “number” as shown below. Present: Application <u>N</u> ° Correct: Application <u>No</u> .	Corrected.
JP 5	footer (p. 7)	Edit.	In the footer, the font and size of (1) is different from those of (2).	Correct the font and size of (1).	Corrected.
JP 6	General informatio n concernin g the type	Edit.	Please make a correction.	Correct “Evaluation perio” to “Evaluation period”.	Corrected.

	(p. 8)				
JP 7	Throughout the document	Edit.	Both “No.” and “no.” are seen in the documents.	Use either “No.” or “no.” for consistency.	Amended. “No.” used.
JP 8	P.12, 13	Edit.	The letters “no.” of “Application no.” are hidden and cannot be read.	Please make a correction so that the letters appear correctly.	Corrected
JP 9	configuration for test (p. 13)	Edit.	The expression “load cells EMC protection options” is confusing.	We propose to change the expression as shown below. <i>Present: load cells EMC protection options</i> <i>Present: EMC protection options for load cells</i>	Amended as proposed.
JP 10	4.1.1 Static temperature (p. 21)	Edit.	It is better to use the same expression “Temperature with static load” as used in the title of 4.1.2.	Correct the title of 4.1.1. <i>Present: Static temperature (20 °C)</i> <i>Suggested: Temperature with static load (20 °C)</i>	Amended.
JP 11	4.1.3 Temperature with static load and others	Edit.	In the square of “Remarks”, use the same font for “Maximum value of Ec/mpe(1)”. The font for “Ec/mpe(1)” is different from the rest of the equation.	Correct the font for “Ec/mpe(1)” in the following pages: p. 21, p.22, p.23, p. 24, p. 25, p.27, p.28, p. 29, and p.30.	Formula fonts amended.
JP 12	4.2 Temperature effect on no-load	Edit.	According to <i>Test procedure in brief</i> in 10.2.3 Table 3b in R61-2 (p.22), five-steps of temperature sequence are specified. Among these steps, both 1) and 5) correspond the same	Add one more recording table for the step 4) at the temperature of 5 °C.	Addition table inserted.

	indication (p. 26)		reference temperature of 20 °C. Therefore, there should be at least <u>four</u> recording tables. Only <u>three</u> recording tables are prepared in this draft, however.		
JP 13	5.4.1 Direct Applicatio n (p. 38)	Edit.	The font of footnote for 10 and 11 is different from that of other pages.	Change the font from Times New Roman to Arial Narrow.	Font amended.
NL			It is observed that there may be needed some minor editorial amendments. Considering the stage of drafting it is considered that these few non urgent comments better could be delivered in the CD stage		This will be taken care of.
CECIP-01		gen	Throughout the document to many times abbreviations, symbols, units are not in conformity with the SI-standards (e.g. U for Voltage instead of <u>_U</u>).	I will suggest to compare document with the BIPM si-brochure-8 chapter 5.	Align as far as applicable.
CECIP-02		gen	At several places, especially in tables units are used without a term or abbreviation.	Recommendation. Every time a unit is needed, a term or abbreviation is put in front.	Units accompanied with terms or abbreviation where applicable.

CECIP-03	page 105	edit	Equilibrium OIML R 111 [5]	Replace [5] by [4]	Corrected.