

Template for comments and convener's observations

Date:2018-11-21

Document: RXXX- 1 CD

Project: TC9_SC2_p9

| Country Code ¹ | Part | Clause/ Subclause | Paragraph/ Figure/Table | Type of comment ² | Comments | Proposed change | Convener's responses |
|---------------------------|------|-------------------|-------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0001 IR | | | | | We do not have any comment at this stage. | | |
| 0002 US | | | | ge | Regarding comment from France on 2WD (FR-27), has there been any data provided that would provide evidence that the test procedures being developed in this Recommendation can be realized by a device in production at this time? | Unless there is a manufacturer that is producing a device capable of meeting the requirements under test procedures in this Recommendation, any effort to develop a standard at this time is questionable. The TC should be provided with evidence to support any claim that current technology is capable of meeting these requirements. | <p>These types of instruments are generally available and advertised online from several manufacturers, for example, the Centripetal FlowMeter, the Solid Particle Mass Flow Meter, etc.</p> <p>This is essentially an R50 instrument using a slide chute, instead of a belt. So, the test procedure is basically similar.</p> <p>I have included an illustration of the principle of centripetal force weighing in Rxx-1, Annex A. I would be grateful if members suggest a better illustration/diagram.</p> |
| 0003 CH | | | General | | Couldn't you refer to the existing OIML R50 recommendation as far as possible, instead of duplicating the content of it? | | Initially it was intended to amend the R 50, however at the time of writing the project proposal (2014) there was opposition on revising the just approved R 50. Therefore, it was suggested to create a new Recommendation first using the R 50 as a model/template and amending where necessary. This also has the advantage that the drafts will not be too extensive while distinguishing between belt weigher and chute weigher in many clauses will not be necessary. Nevertheless, when finishing the drafting there may come a moment where it would possibly be rater easy to integrate this new draft in R50. Nevertheless, the approach in the present project is in agreement with the resolution accepted during CIML 2015. |
| 0004 CH | | | General | | Could you add a picture at the beginning illustrating the type of instrument we are talking about? | | An illustration of the principle of centripetal force weighing is given in Rxx-1, Annex A. Members can suggest a better/accurate illustration/diagram. |

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

Date:2018-11-21

Document: RXXX- 1 CD

Project: TC9_SC2_p9

| Country Code ¹ | Part | Clause/ Subclause | Paragraph/ Figure/Table | Type of comment ² | Comments | Proposed change | Convener's responses |
|---------------------------|------|----------------------|----------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0005 FR | | | General | Ge | Weighing professionals have told us that this type of instrument would be subject to patent in the United States. Should the secretariat not investigate this issue as these patents may affect the use of this recommendation? | | OIML Recommendations are only intended as model regulations. They can also encourage innovations. I have asked/ and waiting for the BIML contact, Ian Dunmill, to check the situation regarding the use of this Recommendation for patented instruments. |
| 0006 NL-1 | | | General | ge | NL does not have many comments on the present draft due to the active participation in the drafting of the 1 CD Most NL comments concern observations concerning the comments already uploaded on the website by UK | | Thank you |
| 0007 NL-5 | | 5.5.1 | | ge | The underneath text should be part of sub clause 7.3 instead of 5.5.1 (the sub clause number was somewhere lost from the NL input provided to the convener.) <i>“For testing the metrological characteristics of a CTAWI, standard weights may be used to simulate the effect of a mass flow. The test load weight, on the force receptor, is to be placed on the platform. The duration of each zero totalization shall be equal to the time needed to totalize the minimum totalized quantity at Qmmin”</i> | Please correct by moving this text from 5.5.1 shown in italics in the comments part of this comment to the end of sub clause 7.3 | Text moved to 7.3 as requested. |
| 0008 FR | 1 | | Parts 1 - 2 | te | A lot of comments made on the WD2 have been taken into account but without real answers. There are too many questions without answer to work on the project. | Please answer and give explanation for comments made before doing a new revision of the CD. | The 13 th March meeting agreed that TC9/SC2/p9 will contribute material towards the development of the CD. The 2CD is developed based on these comments and contributions. It was also agreed at the meeting that many other specifications for this instrument will be specified by the manufacturer, such as details of the type of product, density and particle size for which the instrument is suitable for. In accordance with 4.1, 4.5.1.3 and 6.1.1. The conditions and products for tests are specified in Rxx-2, Clause 9.3. |

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

Date:2018-11-21

Document: RXXX- 1 CD

Project: TC9_SC2_p9

| Country Code ¹ | Part | Clause/ Subclause | Paragraph/ Figure/Table | Type of comment ² | Comments | Proposed change | Convener's responses |
|---------------------------|------|----------------------|----------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0009 NL-2 | 1 | | UK comments | ge | There was found no template for comments uploaded as part of the .zip on CD comment page on the website. Maybe that is the background that the UK comments uploaded have a confusing filename. The draft does explicitly not concern belt weighers and the draft does not concern a revision. | Please take care not to use the term “belt weigher” and use “new publication” instead of “revision” | Thank you. The 2 CD has been checked for correctness. |
| 0010 FR | 1 | 1.1 | 1.1, 1.2 and 2.1.1 | te | Some comments made on the WD2 dealt with a need of explanation about the principle of the instrument. Convener's responses were “the text will be reviewed” and “an annex will be made showing the principle and formulas”. We have not found the needed explanation in the CD1. | Please complete/modify the explanation about the principle of the instrument or add the planned annex. | An illustration of the principle of centripetal force weighing is given in Rxx-1, Annex A. I hope the project group can suggest better or more accurate illustration/diagram. |
| 0011 FR | 1 | 1.1 | 1.1, 1.2 and 2.1.1 | te | It is indicated that the instrument uses the centripetal force. This force is proportional to the square of the velocity. This parameter does not seem to be measured. | Please complete/modify the explanation about the principle of the instrument or add the planned annex | An illustration of the principle of centripetal force weighing is given in Rxx-1, Annex A. |
| 0012 FR | 1 | 2.2.5 | 2.2.5 | te | The convener's response on the comment made on the WD2 indicated “probably the velocity range requires to be limited and related to the product maximum and minimum mass flow”. There is no information in the CD1 about the velocity. Has the velocity an influence and must the velocity range be limited? Or are the maximum and minimum mass flow sufficient? (Perhaps this point has been discussed the 13 th March). | Please add requirements on velocity range if necessary. | This was discussed at the 13 th March meeting and it was agreed that velocity of the product is not a (primary) parameter in the measurement. |
| 0013 UK | 1 | 2.2.9 | Table beneath Figure 1 | ed | “Force transducer” is given in Figure 1, however “force receptor” is mentioned in the table. | Change “force receptor” to “force transducer” in the table. | Amended in accordance with NL-3 proposal. |
| 0014 NL-3 | 1 | 2.2.9 | UK comments | te | As presented in the present CD the force transducer may be only part of the force receptor. The force receptor may contain an ADC (#3 in the figure) and some data processing (#4 in the figure) Therefore, the term “force receptor should be maintained in the table | Keep table as is and add the definition of the force receptor. force receptor part of the measuring instrument that converts an induced mechanical force into electronic information representing or containing a quantity value | Amended as proposed. Force receptor added in 2.2.9.1. |

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

Date:2018-11-21

Document: RXXX- 1 CD

Project: TC9_SC2_p9

| Country Code ¹ | Part | Clause/ Subclause | Paragraph/ Figure/Table | Type of comment ² | Comments | Proposed change | Convener's responses |
|---------------------------|------|-------------------|-------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | <i>Note:</i> a force receptor in principle could be the same kind of device as are called loadcell when used in other types of weighing instruments | |
| 0015 FR | 1 | 2.3.2 | 2.3.2 | te | The definition of “weighing segment length” is not clear. Convener’s response on the comments made on the WD2 was “clarification on radius and length is need. A diagram/drawing to be produced by the manufacturer”. There is always the need of a clarification. (in relation with the of AU’s comment on 2.3.2 and 4.6.1.2) | Please add the planned diagram/drawing. | This is only a definition. The weighing length is dependent on the manufacturer’s specifications in accordance with 4.5.1.1. Diagram added in Annex A. Additional information is given in 4.6.1.1. Members can suggest a better or more accurate illustration/diagram. |
| 0016 US | 1 | 2.3.9 | | ed | This definition is not complete | Amend as follows: measurement precision under a set of repeatability conditions of measurement | Amended as proposed. |
| 0017 FR | 1 | 2.7 | | ed | The totalization scale interval used for testing is always not defined but used in the basic relationships. Convener’s response on the comment made on the WD2 was “to be studied for consistency”. | Please study this point and correct the document if necessary. | “D” changed to small letter, “d”. All text in the document aligned. |
| 0018 CN | 1 | 2.9 | | | Relationships between Qmax, Max, WL In OIML R50-1 Clause 2.8, basic relationships are given, so it is easy to calculate test loads corresponding to certain flowrate. However, in 1CD, no such relationships are given, so for each test flowrate, how to decide corresponding test load? Is there a linear relationship between test load and flowrate? | We think it is better to give these relationships just as that in OIML R50-1. | I have added relevant formulas under the “basic relationships” as requested. Some of these formulas are already defined in RXX-3, 1.8. |
| 0019 UK | 1 | 3 | | ed | The requirement for “Humidity” is missing from the “Metrological requirements” listing. | Add to Metrological requirements, the following: “Humidity The CTAWI shall maintain its metrological and technical characteristics at a relative humidity of either 85 % (non-condensing) or 93 % (condensing) at the upper limit of the temperature range of the instrument.” | Added to 5.5.3 |

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

Date:2018-11-21

Document: RXXX- 1 CD

Project: TC9_SC2_p9

| Country Code ¹ | Part | Clause/ Subclause | Paragraph/ Figure/Table | Type of comment ² | Comments | Proposed change | Convener's responses |
|---------------------------|------|-------------------|-------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|
| 0020 NL-4 | 1 | 3 | UK comments | ge | <p>The UK comment is not an editorial comment. Humidity is an influence quantity like temperature. The range in which the weighing instrument is expected to keep in operation should be part of the operating conditions. If the instrument would be influenced the effect should not exceed the MPE.</p> <p>In a situation where there may be a risk that a measuring device is exposed to very high humidity such that there could occur some condensation on the measuring instruments during operation the instrument should either stay in operation and not provide any wrong measurements or automatically take measures e.g. produce an alarm. Such a situation is called a disturbance.</p> <p>The requirements for humidity exposure are specified in 5.5.1 as is in R 50 though corrected for the correct wording in R 50, which is an incorrect mix of wording from two different humidity tests described in OIML D 11.</p> | Please do not insert any | Added in 5.5.3 under the general heading of "Functional requirements". |
| 0021 US | 1 | 3.7.3 | | te | <p>This clause seems to imply that exceeding the MPE would be permitted prior to any zero-setting of the device.</p> <p>Are indicated values suppressed until the zero condition is established?</p> | Since the MPE is not permitted to be exceeded at any time, is this clause needed? | Clause 3.7.3 not needed. Deleted. |
| 0022 NL-6 | 1 | 3.7.5.3, 3.7.5.4 | | te | Review the need for the requirement for "Stability of Zero" for this type of instrument. (same comment as UK) | Suggest to remove the requirements for "Stability of Zero" | 3.7.5.3 and 3.7.5.4 deleted. |
| 0023 UK | 1 | 3.7.5.3, 3.7.5.4 | | te | Review the need for the requirement for "Stability of Zero" for this type of instrument. | Suggest to remove the requirements for "Stability of Zero" | 3.7.5.3 and 3.7.5.4 deleted. |
| 0024 UK | 1 | 3.9.1 | | ed | "Repeatability" is listed twice, in 3.7.5.1 and 3.8.1. | Delete one instance of "Repeatability" in 3.8.1. | Amended in accordance with NL-7 comments |

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

Date:2018-11-21

Document: RXXX- 1 CD

Project: TC9_SC2_p9

| Country Code ¹ | Part | Clause/ Subclause | Paragraph/ Figure/Table | Type of comment ² | Comments | Proposed change | Convener's responses |
|---------------------------|------|-------------------|-------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0025 NL-7 | 1 | 3.9.1 | UK comment | ge | 3.7.5.1 concerns repeatability to be tested by simulation. 3.8.1 concerns repeatability as gained on-site The requirements are different and that is on purpose. | Keep both sub clauses as is in the 1CD | Amended as proposed. |
| 0026 UK | 1 | 3.9 | | ed | Review the need for this requirement for “Durability”, which is also listed in 5.1.2 and 6. | Remove or amend the “durability” requirement as it is similar to that in 5.1.2 and 6. | 3.9 kept in accordance with NL-8 comments. |
| 0027 NL-8 | 1 | 3.9 | UK comment | ge | 3.9 is a general quantitative statement, while 5.1.2 is more qualitative and introduces some more detail making the requirement dependent on the intended use. 6 introduces some specifics on measures and the way of testing for durability | Keep the sub clause as is in the 1CD | Kept as proposed. |
| 0028 UK | 1 | 4.4.8, 7.5 | | ed | “supplementary totalization indicating device” is mentioned in 4.4.8 and 7.5. But not defined in the terminology. | Insert a definition for “supplementary totalization indicating device” in the terminology. “supplementary totalization indicating device indicating device with a scale interval greater than that of the general totalization indicating device and intended to indicate the mass of the loads conveyed over a fairly long period of operation” | Definition added in 2.4.2.6. |
| 0029 US | 1 | 4.5.1 | | ed | Last paragraph in 4.5.1 – strike “is” from last sentence. | Amend as follows: For testing purposes, it shall be possible to disengage automatic zero-setting devices. A CTAWI may include an automatic zero-setting device with an interlock to prevent zero-setting product is fed onto the force receptor | Amended. |
| 0030 US | 1 | 4.6.1.3, 6.1.1 | | te | The specific documentation required will include a range for products the slide chute is designed for. The scope of this “range” should be defined using specific characteristics/properties of the products such as particle size, density, adhesive/cohesive properties, etc. Any products not suited for use in a slide chute should be listed in documentation under 6.1.1 | Include a list of product properties that will define the scope of the range of products suited for use in the slide chute. | Added in 6.1.1. The manufacturer is required to specify the products for which the instrument is designed for. In accordance with 4.1, 4.5.1.3 and 6.1.1. |

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

Date:2018-11-21

Document: RXXX- 1 CD

Project: TC9_SC2_p9

| Country Code ¹ | Part | Clause/ Subclause | Paragraph/ Figure/Table | Type of comment ² | Comments | Proposed change | Convener's responses |
|---------------------------|------|----------------------|----------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | Also, is it required that the use of the slide chute be prohibited for measuring any product not within the parameters listed in the documentation? | | |
| 0031 FR | 1 | 4.7.2 | | te | Specific extra markings are been added. It seems that the density of the product and the granulometry have an important influence on the instrument. Is the instrument specific to a density/granulometry? How are these parameters taken into account? Is it not important to add “requirements” to know how to characterize them (for the user)? For example, granulometry and density could be different between two batches and according to the humidity. | Please clarify the influence of the parameters et how to control them. | Like many other specifications for this instrument, it is up to the manufacturer to provide details of the type of product, density and particle size for which the instrument is suitable for. In accordance with 4.1, 4.5.1.3 and 6.1.1. The conditions and products for tests are specified in Rxx-2, Clause 9.3.1. |
| 0032 CN | 1 | 6.1.6.4 | | | Difference between load cell and force transducer We have found in Figure 1 of 1CD of Rxxx-1, 2 is Force Transducer. However, in similar figure in OIML R50-1(Figure 1), 2 is Load Cell. We think Force Transducer is different with Load Cell. However, in 1CD of Rxxx-1, when concerning about metrological features (Clause 6.1.6.4 and 6.1.6.6 of 1CD of Rxxx-1), only load cell is discussed, we wonder why not concerning about Force Transducer, can the metrological characteristics of load cell represent those of Force Transducer? | | Amended in accordance with FR 0034 and NL-3 proposal. |
| 0033 FR | 1 | 6.1.6.4 | | ed | The k) ends with the word “and” and without text. | Please delete the “and”. | Deleted. |
| 0034 FR | 1 | 6.1.6.4 | 6.1.6.4 to 6.1.6.6 | te | The text deals with “load cell”, “load sensor”. The convener’s response was to replace with “force transducers” but there is no change. Could we have an explanation, or must these expressions be replaced by “force transducers”? | Please clarify the type of sensor. | “Load cell” replaced by “force transducer”. See comments from NL-3. |
| 0035 US | 1 | 6.2.6 | | te | Note under 6.2.6 states that a lower accuracy class shall be marked on the device if performance requirements cannot be met during initial verification due to differences in | If performance requirements cannot be met due to characteristics of the product used as test load, that product (and any similar products) should be listed in the manufacturer’s documentation as those which | |

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

Date:2018-11-21

Document: RXXX- 1 CD

Project: TC9_SC2_p9

| Country Code ¹ | Part | Clause/ Subclause | Paragraph/ Figure/Table | Type of comment ² | Comments | Proposed change | Convener's responses |
|---------------------------|------|-------------------|-------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | product/load properties from those products used during type approval. See comment regarding 4.6.1.3 and 6.1.1. | the device is not approved (and certified) for use. If device is found to be placed in service where a product not approved for use in the device is being measured, device should be replaced by a model/device that is suitable for that purpose. | Like many other specifications for this instrument, it is up to the manufacturer to provide details of the type of product, density and particle size for which the instrument is suitable for. In accordance with 4.1, 4.5.1.3 and 6.1.1. The conditions and products for tests are specified in Rxx-2, Clause 9.3. |
| 0036 FR | 1 | 7.3 | | te | The tests use weights but the instrument measures a force. How will be made the tests? (similar questions have been asked on WD2 without an answer in the CD1). The instrument seems to be specific to a density/granulometry and these characteristics depend on the conditions (humidity). What will be the metrological signification of tests realized with standard weights in the conditions of the day of the tests? | Please clarify the tests and how to take into account the variability of the measurement according to the product and the conditions. | The conditions and products for tests are specified in Rxx-2, Clause 9.3. |
| 0037 FR | 1 | 4.7.2 | | ed | There is a mistake in the second unit of the density. | Please replace t/m ³ by t/m ³ . | Amended. |
| 0038 US | 2 | 3.4 | | te | How is the evaluator to know when the instrument has “recovered” from a previous test? | If the instrument is designed so that it is not capable of meeting performance requirements for some period following a previous totalization operation, then the instrument should not be permitted to indicate any measurement after a totalization operation until it is capable of meeting all requirements. This would be analogous to the requirement for warm-up time in the first paragraph under 5.2. | Additional recovery conditions may be specified by the tester in collaboration with the manufacturer, as appropriate. Sub-clause 7.1 provides some information. |

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

Date:2018-11-21

Document: RXXX- 1 CD

Project: TC9_SC2_p9

| Country Code ¹ | Part | Clause/ Subclause | Paragraph/ Figure/Table | Type of comment ² | Comments | Proposed change | Convener's responses |
|---------------------------|------|-------------------|-------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0039 FR | 2 | 5 | | te | Some points in the description of the tests (importance/influence of density and particle size, realisation of the tests) have to be worked before going on this project. There are too outstanding questions. If the characteristics of the product and the conditions (see comment on RXXX-1, 4.7.2) have an influence on the measurement, how can we test the instrument with standards weights? They have not the same characteristics than the products. How the tests could be significant for the use with different products? | | The mass flow is being measured. So, the principle is that a test load is applied, introducing a force corresponding a mass, on the force receptor. Please review the product tests information given in Rxx-1, 7, Rxx-2, clauses 3, 5.1, 5.3, 5.4, 9, 9.3, etc. |
| 0040 UK | 2 | 5.2 | | ed | The “Warm-up time test” should be moved to 7.2 “Influence factor tests” | Suggest moving “Warm-up tests” to “Influence factor tests” in 7.2. | Not moved in accordance with NL-9 comment. |
| 0041 NL-9 | 2 | 5.2 | UK comment | | Warm-up is applicable to all tests, not only for influence quantity tests | Do not move the sub clause | Agreed. |
| 0042 UK | 2 | 7.2.2 | | te | Add a diagram showing the practical approach to performing the temperature tests sequence for the Static temperature and the Temperature effect at zero flowrate. | See OIML R 61-2 2017 (E), 10.2. | Diagram inserted labelled “Figure 1” |
| 0043 UK | 2 | 7.3 | | te | Add tests for: <ul style="list-style-type: none">– DC mains voltage dips, short interruptions and (short term) variations– Ripple on DC mains power | Import test requirements from OIML D11. | Tests added in 7.3.6 and 7.3.7. |
| 0044 NL-10 | 2 | 9.3 | | te | See UK comment | Delete the two sentences under 9.3. | Deleted. |
| 0045 UK | 2 | 9.3 | | te | The following two sentences are not needed for this type of instrument: “The method in 9.3.1 is for the evaluation of a single speed CTAWI only. CTAWIs capable of multiple speeds shall be evaluated using the methods in 9.3.2 or 9.3.3 as appropriate” | Suggest to delete the two sentences under 9.3. | Deleted. See comments from NL-10. |
| 0046 US | 2 | 9.3.2 | | ed | There appears to be stray language following c) in this clause. 9.3.2 Performing product tests | Include complete sentence or delete partial sentence. | Missing text inserted as proposed. |

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

Date:2018-11-21

Document: RXXX- 1 CD

Project: TC9_SC2_p9

| Country Code ¹ | Part | Clause/ Subclause | Paragraph/ Figure/Table | Type of comment ² | Comments | Proposed change | Convener's responses |
|---------------------------|------|-------------------|-------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| | | | | | <p>For each of the selected products the following procedure is applied to establish the accuracy of the totalized mass.</p> <p>Before each test the zero-setting of the CTAWI shall be verified and, if necessary, the instrument is set to zero.</p> <p>On completion of each of the tests the totalized mass of the product used in the run shall be recorded. The following tests shall be performed at the following infeed flowrates:</p> <p>a) 2 pairs of tests at Q_{mmax};</p> <p>b) 2 pairs of tests at Q_{mmin};</p> <p>c) 1 pair of tests at intermediate feeding flowrate.</p> <p><u>of both combinations up to a mass of $\geq \Sigma_{min}$ (3.4).</u></p> | | |
| 0047 US | 2 | 9.3.3 | | ed | The end of this clause does not seem to be complete. | Add/correct punctuation or complete clause. | Punctuation added. |
| 0048 UK | 3 | | General | | Align changes in Parts 1 and 2 with Part 3 | Add test reports to 1.6 “Disturbances” for: <ul style="list-style-type: none"> – DC mains voltage dips, short interruptions and (short term) variations – Ripple on DC mains power | Added. |
| 0049 UK | 3 | 1.1 | | ed | “Warm-up time” to be moved to 1.5 “Influence quantities” | Move “Warm-up” test report to 1.5 in line with Part 2. | See comments from NL |
| 0050 UK | 3 | 1.7.4 | | te | Remove test reports for “Short- and long-term stability of zero” | “Short- and long-term stability of zero” are not needed if the requirements are removed from Part 2. | Deleted. |
| 0051 UK | 3 | 3 | | ed | Checklist is not in alignment with Parts 1 and 2 | Align checklist with changes in Parts 1 and 2. | Aligned. |

C:\Users\MUSSIO\Documents\comments\281-Comments received by email.docx: Collation successful

C:\Users\MUSSIO\Documents\comments\281-FRANCE -TC9_SC2_P9_N007-1CD R xxx-1 and R xxx-2 and R xxx-4 format for comments_FR.docx: Collation successful

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

| | | |
|-----------------|----------------------|---------------------|
| Date:2018-11-21 | Document: RXXX- 1 CD | Project: TC9_SC2_p9 |
|-----------------|----------------------|---------------------|

| Country Code ¹ | Part | Clause/ Subclause | Paragraph/ Figure/Table | Type of comment ² | Comments | Proposed change | Convener's responses |
|---------------------------|------|-------------------|-------------------------|------------------------------|----------|-----------------|----------------------|
|---------------------------|------|-------------------|-------------------------|------------------------------|----------|-----------------|----------------------|

C:\Users\MUSSIO\Documents\comments\281-IRAN -tc9.docx: Collation successful
 C:\Users\MUSSIO\Documents\comments\281-NETHERLANDS -TC 9_SC 2_p9_new Recommendation NLcomments 1 CD -2018.docx: Collation successful
 C:\Users\MUSSIO\Documents\comments\281-UNITED KINGDOM -1CD revision of Rxxx Arched Chute Beltweigher UK comments_Sept 2018.docx: Collation successful
 C:\Users\MUSSIO\Documents\comments\281-UNITED STATES -USA Comments.docx: Collation successful
 Collation of files was successful. Number of collated files: 6
 SELECTED (number of files): 6
 PASSED TEST (number of files): 6
 FAILED TEST (number of files): 0
 CCT - Version 4.0/2015

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