

**SUMMARY**  
**of comments, referring to 1 CD OIML Document “General Requirements for the Programme of Reference Material Certification”, received from OIML TC 3/SC 3 Member-states and liaisons.**

Nos.	Member-state (national body), liaison	Clause/ sub-clause of the document	Comments and proposals	Author's response
1	2	3	4	5
<b>P-members</b>				
1.	Cuba National Research Institute of Metrology	General	We have no comments to the new OIML TC 3/SC 3 “General requirements for the program of reference material certification”. We think this Working Draft is a good document.	Taken into account
2.	Kazakhstan Committee on Technical Regulating and Metrology	General	After considering the draft of the document OIML TC 3/SC 3/p7 3 “General requirements for the program of reference material certification” we have no comments and proposals. The additional information, that it is necessary to correct numbering of items after B.2.2.7 and after B.2.4.5.	Taken into account  Accepted
3.	Slovenia Ministry of Economic development and Technology Metrology Institute of the Republic of Slovenia	General	After considering the 1st Committee Draft of the OIML TC 3/SC 3 document “General requirements for the programme of reference material certification” we have no comments and proposals.	Taken into account
4.	Australia	General	The document does not distinguish between the	Partially accepted

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	National Measurement Institute		<p>different requirements for a certified reference material and a reference material. It would be beneficial for the users of this document, if these requirements were clarified throughout the relevant sections of the document as the requirements vary for these two materials.</p> <p>Additionally, the document would be strengthened with the use of examples to give concrete guidance.</p> <p>Add wording in the relevant sections relating to traceability, stability etc. to make explicit the requirements for certified reference materials and how it varies for reference materials.</p> <p>Recommend the use of examples in the document to provide guidance.</p> <p>Some parts of the document are confusing and hard to comprehend because of the use of long sentences (i.e. four to five lines per sentence). This makes it difficult for the reader to read and understand the requirements outlined in the document.</p> <p>Suggest truncating sentences and the use of single sentence paragraphs should be limited</p> <p>The document makes reference to 'candidate (C)RM material' which is abbreviated to '(C)RM material' throughout the document. This is confusing when reading the document.</p> <p>Suggest deleting the initial reference to 'candidate (C)RM material' in paragraph 2 of General Concepts and replacing it with '(C)RM candidate material'.</p> <p>Consequently, NMIA suggest deleting the</p>	<p>Clarification, concerning the application of this document only to CRMs, used in the area of legal metrological control and supervision, subject to the provisions of OIML documents, are included in the section "Scope" and throughout the document. The possibility of application of this document in RM production is provided in "Scope" with indication of the appropriate conditions (last paragraph)/</p> <p>Provisions for non-certified reference materials are deleted from the text of the document (see above).</p> <p>Recommendation is taken into account. If possible, the appropriate clarity is introduced in the text</p> <p>Accepted</p>

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			abbreviated term '(C)RM material' that is used throughout the document and replacing it with '(C)RM candidate material	
5.	Brazil National Institute of Metrology, Quality and Technology	General	<p>Include a section about the certificate of the certified reference material according to the requirements of ISO Guide 31.</p> <p>Include a section about recertification, considering that the property value can change.</p>	<p>Accepted</p> <p>Note to subclause 3.5 and B.1.11 are included in the text of the document.</p> <p>Accepted. Provision, concerning possible recertification, are included in clause 3.5 and clause B.1.13 of the document</p>
6.	Poland Central Office of Measures	General	<p>In the 1 CD OIML D "General Requirements for the Program of Reference Material Certification" it is said in Clause 2 that:</p> <p>"The terminology used in this Document is in line with:</p> <ul style="list-style-type: none"> <li>• The <i>International vocabulary of metrology – Basic and general concepts and associated terms</i> (VIM) [A.8];</li> <li>• The <i>International vocabulary of terms in legal metrology</i> (VIML) [A.9];</li> <li>• ISO Guides 34-35 (subclauses A.2 –A.7 of Annex A)." <p>It has to be noted however that ISO Guides 34-35 base, as concerns terminology, on:</p> <ul style="list-style-type: none"> <li>- <a href="#">ISO Guide 30:1992</a> Terms and definitions used in connection with reference materials</li> <li>- <a href="#">ISO Guide 30:1992/Amd 1:2008</a> Revision of definitions for reference material and certified reference material.</li> </ul> <p>Moreover there is one more ISO Guide under development, viz.:</p> </li></ul>	<p>Accepted</p> <p>Clarifications, concerning the use of the terminology, adopted in ISO Guides 30-35 (A.2 –A.7 of Annex A)., are included in section 2. Terminology is also brought in line with VIM and VIML.</p>

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			<p><a href="#">ISO/D Guide 30</a>. Reference materials - Selected terms and definitions.</p> <p>Actually it is at the enquiry stage in the phase of completion of main action (40.60). (In the work program designated as <b>ICS</b> <a href="#">71.040.30</a>).</p> <p>We propose harmonizing of the development of OIML D “General Requirements for the Program of Reference Material Certification” with development of the relevant ISO publications being under revision or development. And it seems necessary that the terminology introduced by those guides should be checked from the viewpoint of conformance with the VIM (i.e. ISO/IEC Guide 99:2007, with minor corrections in 2012.)”</p>	
7.	Australia National Measurement Institute	0/1*	<p>The scope of the document details a number of topics that will be considered in relation to the production and certification of reference and certified reference materials.</p> <p>The document, however, does not provide detailed guidance on how the production and certification of these materials are to be achieved. This guidance is available in ISO Guides 30 to 35.</p> <p>The lack of detailed guidance may result in confusion as to whether the national responsible authority should endorse the ISO Guides OR the proposed OIML Document if there were any discrepancies between the two documents down the track.</p> <p>Add wording on expectation that the requirements of Guides 30 to 35 should be adhered to where possible in the scope section.</p>	<p>Accepted</p> <p>Appropriate clarifications are included in</p> <p>“Scope” (the last but one paragraph)</p>

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			<p>The heading for this section has a '0', which is confusing for the reader or when referencing the section.</p> <p>Suggest deleting the number '0' before the word 'Scope', so that the heading reads '0 Scope'.</p> <p>Alternatively renumber the headings</p>	<p>Accepted</p> <p>The numbering "0" is deleted from the text of the document</p>
8.	Australia National Measurement Institute	1/2	<p>The first line of the first paragraph makes reference to 'measurement standards of units'. This is confusing because it is unclear whether the term relates to standards of measurement or the measurement unit.</p> <p>Suggest deleting all references to measurement standards of units in the document and replacing with it with 'standard of measurement'.</p> <p>Minor editorial change.</p> <p>The first line of the first paragraph makes reference to CRMs being used as standards of measurement. Suggest inserting the term 'reference' be inserted before the term 'measurement standards' as the sentence relates to certified reference materials.</p>	<p>Accepted</p> <p>Partially accepted</p> <p>The first sentence of the first paragraph is reworded.</p>
9.	Portugal** Portuguese Institute of Quality	1/2 1 <sup>st</sup> paragraph	After the words "provided, that he", put "s(he)".	Rejected, the phrase "provided, that he" is deleted from the text of the document.
10.	Australia National Measurement Institute	3/5	The scope of this document is wide such that it may include clinical reference materials. However, the document does not discuss or detail requirements in relation to commutability, which is relevant for these types of reference materials. Specifying requirements on commutability would ensure that	<p>Accepted</p> <p>Provisions, relating to the assessment of commutability are provided in subclauses 4.3, B.2.1 and B.2.5 (if necessary)</p>

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			such reference materials are of a specific quality. Suggest inserting a requirement in the document that for relevant reference materials, commutability should be assessed.	
11.	Australia National Measurement Institute	3.4/5.4	<p>The 2nd bullet point of this clause (and clause B.1.5) is unclear/ambiguous. The bullet point makes reference to ‘preliminary research of the possibility to determine RM metrological characteristics (as appropriate)’. It is unclear what possibility the preliminary research is meant to achieve. Suggest revising the 2nd bullet point to make clear what possibility the preliminary research is trying to achieve.</p> <p>The 3rd bullet point makes reference to the ‘number and quantity of laboratories’. Suggest deleting reference to ‘and quantity’ because number and quantity are the same concept.</p>	<p>Taken into account It is decided to delete the requirement to conduct preliminary research, because the preliminary research under subclause 5.5 of ISO Guide 35 are, surely, more applicable to the development and release of the first RM batch.</p> <p>Accepted. The 3<sup>rd</sup> bullet point is corrected to read: “...the number and the competence of laboratories”</p>
12	Portugal Portuguese Institute of Quality	3.4/5.4 2 <sup>nd</sup> paragraph	Put a comma after the words “In the programme of RM certification”.	Accepted
13.	Portugal Portuguese Institute of Quality	3.5/5.5 Note 3	Put a comma after the words “(subclauses 3.3, 3.4)”.	Accepted
14.	Portugal Portuguese Institute of Quality	3.10/5.10 Note	Put a comma after the words “in the programme of RM certification”	Accepted
15.	Australia	B.1.5.1	The 4th bullet point has a typographic error –	Accepted

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	National Measurement Institute		‘5material’. Suggest deleting ‘5’ in front of the word ‘material’.	
16.	Japan National Metrology Institute of Japan	B.1.5 line 3	“Subsection” should be replaced by "section".	Accepted
17.	Japan National Metrology Institute of Japan	B.1.5.1 line 13	"5material" seems incorrect. Propose to replace with "RM material."	Partially accepted The number “5” is deleted before the word “material”
18.	Japan National Metrology Institute of Japan	B.1.6 line 2	"characteristic" should be replaced by "characteristics".	Accepted
19.	Portugal Portuguese Institute of Quality	B.2.2	Replace the numbering of “subclauses B.2.2.1-B.2.2.8” by “ subclauses B. 2.2.1-B.2.2.9”	Accepted
20.	Portugal Portuguese Institute of Quality	B.2.2.2	Amend subclause B.2.2.2 as follows: Subsection “Measurement instruments, reference materials, chemical reagents, testing equipment, etc., used for carrying out work on the determination of homogeneity” This subsection is prepared in the absence of appropriate information in documented measurement procedures, used in the determination of RM metrological characteristics.	Accepted
21.	Portugal Portuguese Institute of Quality	B.2.2.6 2 <sup>nd</sup> bullet point	Put semi-colon after the words “sample to be tested”.	Rejected, because the phrase “the mass of the sample to be tested” is related to the phrase “for disperse material”
22.	Portugal	B.2.2.7	Correct the numbering after subclause B.2.2.7	Accepted

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	Portuguese Institute of Quality			
23.	Brazil National Institute of Metrology, Quality and Technology	B.2.3	The reference temperature is not cited in this section (B.2.3). It is important to point out the temperature of study and the reference temperature.	Rejected The concept “reference temperature” is not used in ISO Guides 34 and 35
24.	Brazil National Institute of Metrology, Quality and Technology	B.2.3.1	The text “affecting RM stability” is repeated.	Accepted. Repeating text “affecting RM stability” is deleted.
25.	Brazil National Institute of Metrology, Quality and Technology	B.2.3.3	Include a subsection as subsection B.2.3.3 for the Transport conditions.	Accepted
26.	Portugal Portuguese Institute of Quality	B.2.3.4	Amend subclause B.2.3.4 as follows: Subsection “Measurement instruments, reference materials, chemical reagents, testing equipment, etc., used for carrying out work on the determination of stability” This subsection is prepared in the absence of appropriate information in documented measurement procedures, used in the determination of RM metrological characteristics.	Accepted.
27.	Australia National Measurement Institute	B.2.3.10	Clause B.2.3.10 makes reference to ‘immutability’. This term is not commonly used amongst reference material producers. Additionally, ongoing stability trials are an important component of reference material production because most reference material certified values are not necessarily	Accepted.



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			immutable. Suggest deleting the reference to immutability.	
28.	Portugal Portuguese Institute of Quality	B.2.3.12	Replace “subclause B.2.2.8” by “subclause B.2.2.9”	Accepted partially “subclause B.2.2.8” is replaced by “subclause B.2.2.9”
29.	Portugal Portuguese Institute of Quality	B.2.4	Replace “subclauses B.2.4.1-B.2.4.9 ” by “subsections B. 2.4.1- B.2.4.8”	Accepted partially “subclauses B.2.4.1-B.2.4.9” are replaced by “subclauses B.2.4.1-B.2.4.8”
30.	Portugal Portuguese Institute of Quality	B.2.4.3	Begin the sentence “This subsection provides the information...” with a new paragraph.	Rejected, bearing in mind the comment under No. 4 of this summary not to use single sentence paragraphs, if possible.
31.	Portugal Portuguese Institute of Quality	B.2.4.5  Note	Replace “subclause B.2.4.5.1” by “subsection B.2.4.5.1” Replace “subclauses B.2.4.2- B.2.4.4 ” by “subsections B.2.4.2- B.2.4.4 ”	Rejected  Rejected (see OIML Publication B 6-2:2012 clause 5)
32.	Portugal Portuguese Institute of Quality	B.2.4.5.1	Correct the numbering after subclause B.2.4.5.1	Accepted
33.	Japan National Metrology Institute of Japan	B.2.4.8 line 1 line 3	"Section" should be replaced by "Subsection". "Section" should be replaced by "Subsection".	Rejected Subclause B.2.4.8 is deleted from the text of the document
<b>O-members</b>				
1.	Bulgaria Bulgarian Institute of Metrology	General	We have no comments or proposals to the new OIML document. We think this document will be very useful for people, who work or profit C(RM)s.	Taken into account

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2.	Germany Physikalisch- Technische Bundesanstalt (PTB)	General	Germany has no comments on the 1CD of the OIML Document "General requirements for the programme of reference material certification".	Taken into account
3.	India Government of India Ministry of Consumer Affairs, Food and Public Distribution	General	I am refer to the circular no. 25-10.6/3/5-2462 dated 02.04.2014 on the subject of Development of a new document within TC 3/SC 3/P7 "General requirements for the program of reference material certification". It is informed that Government of India has “no comments” on this matter.	Taken into account
4.	Serbia Directorate of Measures and Precious Metals	General	After considering the 1 CD of the document OIML TC 3/SC 3 “General requirements for the program of reference material certification” we have no comments and proposals	Taken into account
5.	Slovakia Slovak Institute of Metrology	General	I have no comment or proposal to the said OIML	Taken into account
6.	Netherlands Verispect BV	General	When reviewing the 1CD, still there is a clear link missing between this new draft OIML Document and especially the ISO guide 34. In this Guide quite some of the information presented in the new Document is presented as well, however described in more detailed and better fitting the accessibility as required in e.g. ISO 17025.	Taken into account  The purpose of this document is to form general recommendations on the structure and content of the document, which is a part of documented procedures of CRM producer quality management system, relating to certification of CRMs intended for use in the area of legal metrology.  The document in conjunction with ISO Guides 34-35 is a guidance manual in establishing documented procedures, used by producer of CRMs, intended for use in the

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			<p>So there is still a great overlap between this new draft and ISO Guide 34 however the draft does not refer to this standard, except for some far too general reference. For example sub clause 3.1 is covered by “Production planning” sub clause 5.4 of the ISO guide 34. Maybe the Guide 34 does not cover each aspect, but it would help if the new draft would at least link to the ISO Guides 34 and 35 (which, by the way, form the basis for the CIPM MRA)</p> <p>From the point of view of ISO/REMCO this Document rather should be written such that it is in conformance to ISO Guide 34 and only adds the extra requirements needed for legal metrology. (like for example availability of reference materials etc.)</p> <p>Many of the reference materials are produced in conformance to the ISO Guide 34(and 35). Within ISO/REMCO there is the impression that the new draft still is too much a duplication in a non univocal manner.”</p>	<p>area of legal metrology and produced in series.</p> <p>In additions to the provisions of ISO Guides 34-35, this document includes some general requirements for CRM serial production and legal requirements, to be followed in the production of CRMs, intended for the area of legal metrology.</p> <p>Accepted</p> <p>The draft document, where possible, links to ISO Guides 34-35</p> <p>Taken into account</p> <p>Extra requirements needed for legal metrology are included in the draft document (subclause 4.6).</p> <p>Rejected.</p> <p>The purpose of ISO Guide 34 and 35 is respectively a description of general requirements for the competence of RM producers and general recommendations on certification of various RMs.</p> <p>The purpose of this document is to describe general recommendations, subject to the</p>

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				<p>provisions of ISO Guides 30-35, on the establishment and content of the documented procedure, being the part of CRM producer quality management system, relating to certification of CRM, produced in series and used in the area of legal metrology.</p> <p>The document makes recommendations on what is to be prescribed to CRM producer in the document on CRM certification, so that its experts, by periodical repeating appropriate procedures for a long time, ensured, as a result an uninterrupted production of CRM of a specific type.</p>
7.	Argentina National Institute of Industrial Technology	0/1	<p>We suggest to describe exactly in the scope which activities are considered in the “reference material certification” process. Some of them are described in “General Concepts” but there are others that are not mentioned (example: Homogeneity study, stability study, characterization, assigned value and uncertainty, establishment of metrological traceability, documentation) (*)</p> <p>It is not clear why general RMs (non certified) are included in the scope, taking into account that the document is referring to certification process. If this kind of materials are included in conformity with clause 11[A.7], it should be stated at this point.</p>	<p>Accepted, appropriate clarifications are introduced in “Scope” (see the 1<sup>st</sup> paragraph of “Scope”).</p> <p>.</p> <p>Accepted.</p> <p>The Note, referring to the use of the term “reference material” in the document, is included in “Scope”</p>
8.	Argentina National Institute of Industrial Technology	B	To simplify the reading and understanding of the document and to avoid omissions or repetitions, incorporate Annex B within its body and leave only	Rejected, since the content of RM certification programme, set out in Annex B, is of advisory nature and may be shortened,

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			Annex A (bibliography).	extended, supplemented, taking into consideration the specifics of a reference material, the determination of characteristics and certification of which are planned.
9.	Argentina National Institute of Industrial Technology	B.1.2	“RM certification” same comment as in (*)	The work to be conducted during RM certification, is specified under subclause B.1.11.
10.	Argentina National Institute of Industrial Technology	B.2.4	We suggest to separate both subsections B.2.4.7 and B.2.4.8 from B.2.4, since these processes correspond to the value assignment and uncertainty calculation and not to the characterization of the material, in conformity with clauses 5.15 and 5.16 [A.6].	Accepted, Subclauses B.2.4.7 and B.2.4.8 are combined in subclause B.2.7.
<b>Liaisons</b>				
1.	International Organization for Standardization (ISO) ISO/REMCO Committee on Reference Materials	General	ISO/REMCO acknowledges the initiative of OIML to set out requirements to (certified) reference materials for legal metrology uses. You are certainly aware that, independently on the intended use, such requirements are comprehensively described in ISO Guides 34 and 35. However, it is acknowledged that reference materials (RM) for the supervision of specifications, here within the frame of legally prescribed specifications for measuring equipment and/or products, may (and possibly need) to be produced in subsequent batches (i.e. a series) in order to cope with market demands. This approach is current practice. It might lead to several peculiarities in the RM production and value assignment process, both towards an enforcement or a weakening of requirements as laid down in Guides 34 and 35, fully depending on the	<p>Taken into account.</p> <p>Clarifications, concerning, in particular, the serial production of CRMs, intended for use in the field of legal metrological control and supervision are introduced throughout the text of the draft document.</p> <p>In this connection it is also proposed to introduce amendment in the title of the document, replacing the old title by the new one: “General requirements for the programme of reference material certification in serial production”</p> <p>The document is intended to set out the requirements for the content of CRM producer documented procedure, the exact application of which for a long time in combination with other documented</p>

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			<p>layout of the production process.</p> <p>To this extent, a document describing the required as well as the possibly not needed parts of both Guides, and replacing those parts by expert knowledge, other internationally agreed procedures or provisions taken from acknowledged publications, might contribute to the quality of RMs for legal metrology uses.</p> <p>Therefore, clauses 0 and 1 of the current OIML draft provide the explanations of the scope for this OIML document, namely its focus on the serial production of new RM batches. A title for a possible document dealing with the issues mentioned above could be "General requirements and specifications for RM production in series" or "General requirements and specifications for the serial production of RM batches".</p> <p>Keeping the scope (and the change-of-title) in mind would result in major modifications and amendments to several parts of the current text. ISO/REMCO is readily willing to support and to provide input to the envisaged document.</p> <p>Moreover, we recommend bringing the used terminology in line with VIM-3 and ISO Guides 30, 31, 34, and 35.</p> <p>Further comments and proposals are included in the attachment by track changes (just a minor additional note: The term "programme" used all over the current version of the text seems to be</p>	<p>procedures, provided in ISO Guide 34, will contribute to stable production of high-quality CRMs.</p> <p>The establishment of requirements for the content of the documented procedure of RM certification will facilitate the work of CRM producer, including the beginner, on creating the document of quality management system.</p> <p>Comprehensive certification programme, developed by a CRM producer for specific CRM type or types according to these recommendations, can be demonstrated during accreditation as a technical document, in addition to CRM production quality manual.</p> <p>Combined with ISO/REMCO documents, this document will contribute to the quality of CRMs, intended for use in the area of legal metrology. Requirements, relating to peculiarities of CRM serial production are additionally included in the draft document (clause 3).</p> <p>Accepted</p> <p>The term “programme” used in the document, is in line with the term “programme”, under subclause 4.1.3 of ISO Guide 34 [A.6] and subclause 4.4 of OIML</p>

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			<p>confusing).</p> <p>We hope that this input is helpful for developing the current OIML draft guide further. Please, do not hesitate to contact ISO/REMCO, also via our liaison officers, in case of any clarification or discussion needs.</p>	D 18.
		<p>0/1*** 1<sup>st</sup> paragraph and throughout the text</p>	<p>The use of the word “metrological” before the expression “characteristics of reference materials” is not clear</p>	<p>The decision is taken to delete the word “metrological” before the expression “characteristics of reference materials” throughout the text.</p>
		<p>0/1 4<sup>th</sup> paragraph</p>	<p>The meaning of the whole sentence is not clear</p>	<p>Accepted The sentence, beginning with the words «This International Document is also based on ISO/REMCO Guides 30-35 (see Annex A)» is amended</p>
		<p>1/2 1<sup>st</sup> paragraph last line</p>	<p>Insert a definite article “the” before the word “(C)RM”. Amend the last line to read as follows: “...specific work on the production on the “(C)RM” including RM certification.</p>	<p>Rejected The phrase is deleted from the text of the document</p>
		<p>Note to 1<sup>st</sup> paragraph</p>	<p>Amend the last line to read as follows: “...metrological certification of certified values”</p>	<p>Accepted</p>
		<p>2<sup>nd</sup> paragraph</p>	<p>Amend the 2<sup>nd</sup> paragraph to read as follows: “The important step in “(C)RM <b>production</b> are the determination of their characteristics (determination of “(C)RM homogeneity and stability <b>with respect</b></p>	<p>Accepted</p>

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			<b><u>to specified properties, “(C)RM characterization, assignment of RM certified value and uncertainty) and RM certification</u></b>	
		3 <sup>rd</sup> paragraph	We do not understand this sentence	Accepted The sentence is amended
		3.1/5.1 Note 1	Replace “technological documentation” by “technical documentation”	Accepted
		3.5/5.5	Delete the word “material” from the word-combinations “... RM material homogeneity, RM material stability, characterization of RM material”	Accepted
		3 <sup>rd</sup> line	Insert a definite article “the” before the word “RM”.	Accepted
		7 <sup>th</sup> and 8 <sup>th</sup> lines	Amend to read as follows: “- the measurement standards, ensuring the establishment of metrological traceability	Accepted
		3.6, 3.7, 3.9/ 5.6, 5.7,5,9	Insert a definite article “the” before the word “RM”.	Accepted
		3.9/5.9	Delete the word “material” from the word-combinations “... RM material homogeneity, RM material stability, characterization	Accepted
		2 <sup>nd</sup> paragraph	Insert a definite article “the” before the word “(C)RM”.	Accepted
		4 <sup>th</sup> paragraph	Delete the words “...of units” after the word “...standards”.	Accepted



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		3.9 6 <sup>th</sup> paragraph	Amend to read as follows: “- the validity of choice of the method of establishing metrological traceability of the certified values...”	Accepted
		3.10/5.10	Insert a definite article “the” before the word “(C)RM”.	Accepted
		Note to 3.10/5.10	Insert a definite article “the” before the word “(C)RM”.	Accepted
		B.1.2 3 <sup>rd</sup> paragraph	Delete the word “RM” before the word “...material”	Rejected, bearing in mind terminology, encountered in ISO/REMCO Guides 34 and 35
		B.2.1	Delete the word “material” from the word-combinations “... RM material homogeneity, RM material stability, characterization of RM material”	Accepted
		B.2.2	Delete the word “material” from the word-combinations “... RM material homogeneity”	Accepted
		B.2.2.3	Delete the word “material” after the word “RM”	Rejected, See response to B.1.2
		B.2.2.4	Delete the word “material” after the word RM”	Rejected See response to B.1.2
		4 <sup>th</sup> paragraph	Insert a definite article “the” before the word “RM”.	Accepted
		B.2.2.5	Delete the word “material” from the word-combinations “... RM material homogeneity”	Accepted
		B.2.2.7/	Delete the word “material” in the word-combination	Rejected

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		B.2.2.8	“...solid RM material”	See response to B.1.2
		B.2.3.6	Delete the word “material” in the word-combinations: “Preparation of RM material for measurements” and “...related to RM material preparation for measurements”	Rejected See response to B.1.2
		B.2.3.7 Notes	Delete the word “material” from the word-combinations “... RM material stability”	Accepted
		B.2.3.10	In the word-combination “...and immutability of its metrological characteristics” the use of the word “immutability” is unclear	Accepted The word “immutability” is deleted from the text
		B.2.4.2	In the word-combination “Information on measurement standard of units...” delete the words “...of units”.	Accepted
		B.2.4.4 1 <sup>st</sup> line	Insert a definite article “the” before the word “RM”. In the word-combination “... measurement standards of units...” delete the words “...of units”.	Accepted
		B.2.4.5 Note	Replace the word-combination “interlaboratory experiment” by “an interlaboratory comparison”	Accepted
			Insert an indefinite article “an” before the words “interlaboratory comparison”.	Accepted
		B.2.4.5.1	Replace the word-combination “interlaboratory experiment” by “an interlaboratory comparison”	Accepted
			Delete the word “material” from the word-combinations “... RM material”	Rejected See response to B.1.2

- \* The number of clause in the 2<sup>nd</sup> Committee Draft Document
- \*\* Comments of Portugal were made directly in the text of the document
- \*\*\* Specific comments of ISO/REMCO were made directly in the text of the document