



# **Report of the Ad-hoc working group „Review of the OIML Mutual Acceptance Arrangement (MAA)"**

**Roman Schwartz**

**⇒ see Addendum 9.1**

# Seminar in Ho Chi Minh City, 2013



⇒ see Seminar Report OIIML S 7 (Edition 2013)

# CIML Resolutions 2013

**Three „MAA Resolutions“ were approved:**

**1. Resolution no. 2013/15 on „raising awareness of the MAA system“:**

*“...Instructs the BIML in its capacity as secretariat of the MAA Committees on Participation Review (CPR) to set up an ad-hoc working group consisting of interested CIML and/or CPR members and representatives of manufacturers' associations **to consider how this awareness can be raised**, and to provide secretarial support to this working group...”*

# CIML Resolutions 2013

## 2. Resolution no. 2013/16 on „reviewing the CPR structure, rules and procedures“:

*“...Urges the ad hoc group ... to review with the CPRs their structure, rules and procedures governing the operation of the MAA, and the role of Utilizing Participants, with a view to increasing the efficiency of the operation of the MAA...”*

# CIML Resolutions 2013

## 3. Resolution no. 2013/17 on „steps towards one single certification system for OIML type evaluations“:

- “... Resolves that steps should be taken to ensure that, in future, there will be *only one single certification system* for OIML type evaluations, *based on the principles of the MAA*, and that, as a first step, the options for how such a *single system* may be organized, how the *transition* could take place and by what *time schedule*, should be investigated, taking into account the *experiences of similar, well established certification systems*;
- Urges the ad hoc group created in its Resolution no. 2013/15 to investigate such options and to *make appropriate recommendations*.“

# CIML Resolution no. 2014/18



The Committee,

Notes the report given by the ad-hoc working group (AHWG) chair and First CIML Vice-President, Dr. Roman Schwartz,

Considers the review of the MAA as a high priority project, and therefore

Encourages the AHWG, including its task groups, to undertake every effort to present concrete proposals to the next CIML meeting,

Instructs the BIML to provide the necessary support for the AHWG, including its task groups, in order to implement CIML Resolutions no. 2013/15, 2013/16 and 2013/17,

Requests CIML members to inform the BIML about their experience and knowledge whether or not OIML certificates (Basic or MAA) and OIML Test Reports are accepted in their countries as the basis for national or regional type approval, and the reasons in case that they are not, or not completely, accepted.



# Ad-hoc Working Group (AHWG)

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## Concrete proposals...

*Many thanks especially to the task group chairs,  
Dorothea Knopf and Paul Dixon,  
and to Willem Kool, for their excellent support!*

# TG 1.1: Awareness raising

**... proposes some "quick-win" improvements on the OIML website:**

- change the drop-down menu under “Certificates” as follows:
  - General Information
  - Basic Certificates
  - MAA Certificates
  - Search Registered Certificates
  - Documentation
- update the information provided in the sub-menus
- These changes are being implemented by the BIML...



# OIML website



Organisation Internationale de Métrologie Légale

International Organization of Legal Metrology

ABOUT

PUBLICATIONS

STRUCTURE

CERTIFICATES

WORK



What is legal metrology?

Legal metrology is the application of legal requirements to measurements and measuring instruments...

[More Info](#)



Publications and Bulletin

The OIML develops model regulations, standards and related documents...

[More Info](#)



CML

The International Committee of Legal Metrology is the functional decision-making body of the Organization...

[More Info](#)



Mutual Acceptance Arrangement (MAA)

The OIML MAA is a tool to increase the level of mutual confidence...

[More Info](#)

## TG 1.2: Reasons for Non-Acceptance

- According to CIML Resolution 2014/18, a survey was sent by the BIML to CIML Members:
- In total, 32 responses were received
- 15 Member States (MS) and 6 Corresponding Members (CM) indicated that they (partly) accept OIML Basic and MAA certificates
- 3 MS indicated that they can accept only MAA certificates
- 2 MS and 2 CM indicated that their national legislation does not allow the acceptance of OIML certificates
- 1 CM does not have a type approval service

⇒ **Respondents to the survey will be asked to agree to the publishing of the results so that they can be used on the OIML website.**

## **TG 2: Review of the CPR**

## **TG 3: Single Certification System**

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### **Activities since the CIML meeting 2014:**

- **28 January 2015:**  
**Meeting with TG Chairs, BIML, AHWG Chair** (Braunschweig)
  - **1/2 March 2015:**  
**Meeting of AHWG** (Paris)
  - **3/4 March 2015:**  
**Discussion of proposals at the Presidential Council meeting** (Paris)
  - **1/2 June 2015:**  
**Meeting of AHWG** (Teddington)
- ⇒ Result: Proposal for a single OIML Certification System (CS)**

# Overview of the AHWG proposal documentation

**The AHWG has drafted the following package of five documents:**

- 1. A proposal for the principles, structure and organization of a single OIML Certification System (OIML-CS):**  
⇒ see document AHWG-MAA-Doc-1 in part B of Addendum 9.1
- 2. A working document “Framework for the OIML-CS”:**  
⇒ see document AHWG-MAA-Doc-2 in part C of Addendum 9.1
- 3. A timeline for the implementation of the proposed OIML-CS:**  
⇒ see document AHWG-MAA-Doc-3 in part D of Addendum 9.1
- 4. Draft CIML Resolutions 2015/xa and 2015/xb:**  
⇒ see document AHWG-MAA-Doc-4 in part E of Addendum 9.1
- 5. Terms of Reference for a Certification System Project Group (CSPG) to draft the relevant documents for the OIML-CS:**  
⇒ see document AHWG-MAA-Doc-5 in part F of Addendum 9.1

# The basic idea of the OIML-CS

## a) Present status (MAA):

MI Cat./ OIML R		MS1	MS2	MS3	MS4	MAA
R 76	MAA	IP	IP	UP	-	DoMC 1
R 60	MAA	IP	UP	UP	-	DoMC 2
R 49	MAA	IP	UP	-	-	DoMC 3
R 51	Basic	IA	IA	-	-	-
R 117	Basic	IA	IA	-	-	-
R 61	Basic	IA	-	-	-	-
R 85	Basic	IA	-	-	-	-
R 31	Basic	IA	-	-	-	-
R 129	Basic	IA	-	-	-	-

# The basic idea of the OIML-CS

## b) The proposed OIML-CS:

MI Cat./ OIML R	Scheme	MS1	MS2	MS3	MS4	MAA
R 76	B	IA	IA	Ut	-	<del>DoMC-1</del>
R 60	B	IA	Ut	Ut	-	<del>DoMC-2</del>
R 49	B	IA	Ut	-	-	<del>DoMC-3</del>
R 51	A	IA	IA	-	-	-
R 117	A	IA	IA	-	-	-
R 61	A	IA	-	-	-	-
R 85	A	IA	-	-	-	-
R 31	A	IA	-	-	-	-
R 129	A	IA	-	-	-	-
	<u>New:</u>	Declar. of Scope	Declar. of Scope	Declar. of Scope	user	

# The basic idea of the OIML-CS

## c) The proposed OIML-CS in the future:

MI Cat./ OIML R	Scheme	MS1	MS2	MS3	MS4	
R 76	B	IA	IA	IA	Ut	
R 60	B	IA	IA	IA	Ut	
R 49	B	IA	IA	IA	Ut	
R 51	B	IA	IA	Ut	Ut	
R 117	B	IA	IA	Ut	Ut	
R 61	B	IA	Ut	Ut	Ut	
R 85	B	IA	Ut	Ut	Ut	
R 31	B	IA	Ut	Ut	Ut	
R 129	B	IA	Ut	Ut	Ut	
R xxx	A	-	-	-	-	
		Declar. of Scope	Declar. of Scope	Declar. of Scope	Declar. of scope	



# Key principles of the OIML-CS

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⇒ see Addendum 9.1, Part B, AHWG-MAA-Doc-1

1. The OIML-CS is a **voluntary system** which aims to facilitate, accelerate and harmonize the work of national and regional bodies that approve types of measuring instruments that are subject to legal control.

# Key principles of the OIML-CS (cont.)

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2. The OIML-CS is a **single certification system with two schemes:**
  - a. The OIML Basic Certificate Scheme (**Scheme A**),
  - b. The OIML MAA Certificate Scheme (**Scheme B**)

# Key principles of the OIML-CS (cont.)

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3. A category of measuring instrument is either in Scheme A or in Scheme B.

Transition from Scheme A to Scheme B is subject to defined criteria.

**This is the preferred direction and also the intention of the OIML-CS.**

# Key principles of the OIML-CS (cont.)

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4. The “DoMCs” for each category of measuring instrument will be replaced by **"declarations of scope"** signed by each participant.

Participants are **"Issuing Authorities"** or **"Utilizers"**;  
they declare their scopes for issuing and acceptance.

# Key principles of the OIML-CS (cont.)

5. The requirements for participation in Scheme A or Scheme B **are the same**, i.e. compliance with ISO 17025 and OIML D 30.
- For participation in Scheme A, it is sufficient to demonstrate compliance on the basis of **“self-declaration”** with additional supporting evidence;
  - For participation in Scheme B, compliance is demonstrated by peer evaluation, on the basis of **accreditation or peer assessment**.
- ⇒ **Evidence of competence of the Issuing Authority will be required even under the Basic scheme (Scheme A).**

# **Key principles of the OIML-CS (cont.)**

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**6. The CIML Member nominates one or more organizations to become an Issuing Authority under the OIML-CS.**

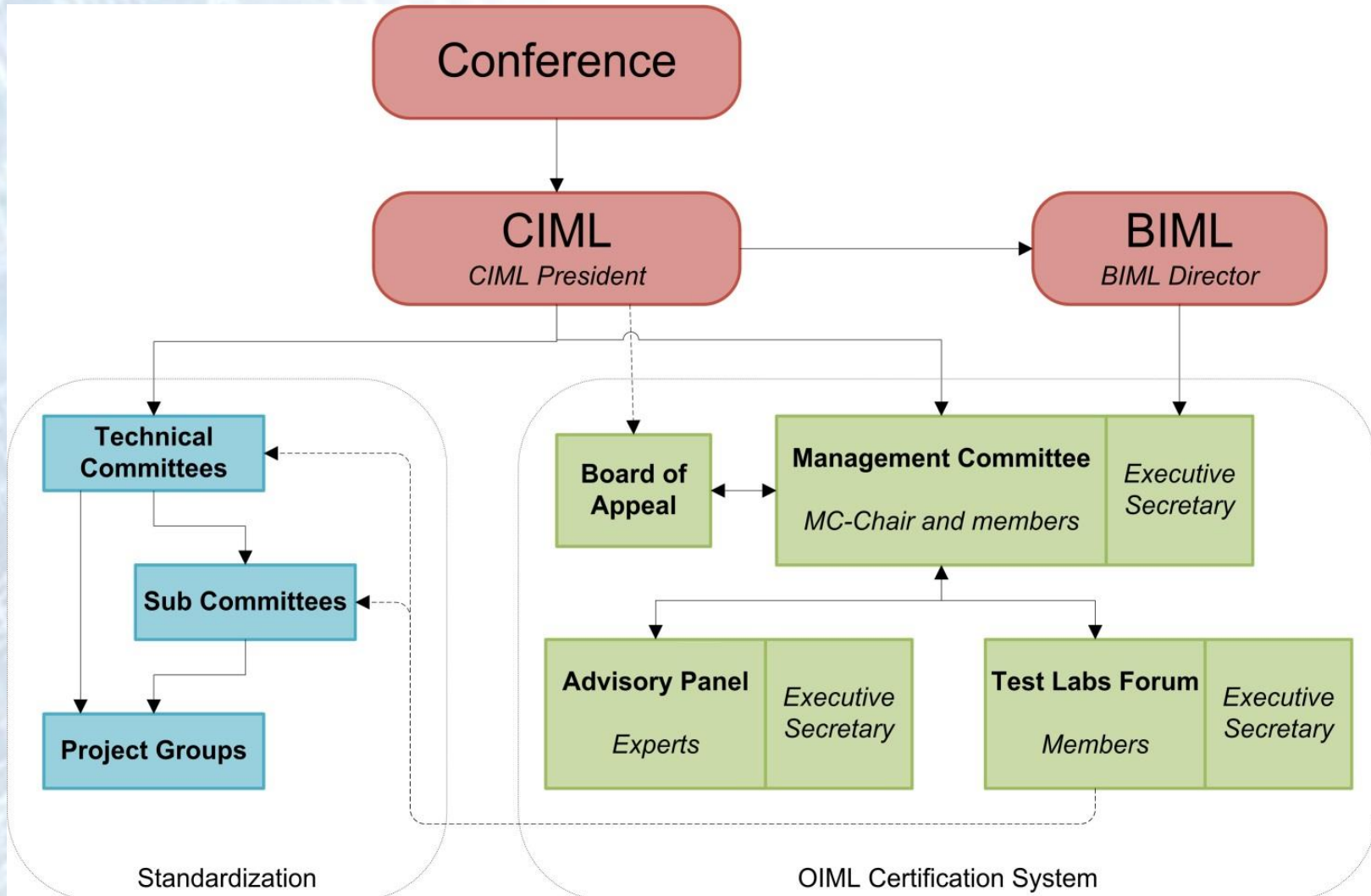
**The decision on participation is under the responsibility of a Management Committee (MC).**

# Key principles of the OIML-CS (cont.)

- 7. There is a Management Committee (MC) to manage the operation of the OIML-CS:**
- It is small enough to be effective (proposal: maximum of 12 members)
  - Its members act in the best interest of the OIML-CS; they do not primarily represent the interests of their countries
  - It has a balanced representation of Issuing Authorities and Utilizers
  - The CIML Member of each Member State may propose candidate(s)
  - A nomination process ensures that certain criteria are fulfilled (e.g. balanced representation, qualification)
  - Potential members are elected by the CIML for a fixed period
  - The MC Chair is appointed by the CIML
  - There should be no more than one member, including the Chair, from any one country; the Chair and each member has one vote
  - The MC has an Executive Secretary (without a vote) who is a BIML staff member
  - The MC will be supported by an Advisory Panel of technical experts



# Proposed OIML Certification System (OIML-CS)



# Key principles of the OIML-CS (cont.)

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8. The **advisory panel** consists of experts nominated by CIML Members and appointed by the MC for certain categories of measuring instruments.

Experts are called upon by the Executive Secretary when needed to provide advice, e.g. acceptability of assessment reports for new participants, expansions to scope, etc.

# Key principles of the OIML-CS (cont.)

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9. To support the exchange of information between test laboratories there is a **forum for test laboratories**.  
The forum also provides a platform for on-going discussions on issues confronting the laboratories and a mechanism to feed in to the OIML Technical Committees.

# Key principles of the OIML-CS (cont.)

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10. There is a **Board of Appeal (BoA)** to deal with appeals against decisions of the MC.

The BoA is independent of the MC, with membership decided by the CIML.

The BoA is not a standing committee and is called upon only when required.

The appeals mechanism will be described in the OIML-CS Framework document.

# Key principles of the OIML-CS (cont.)

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11. The work of the MC, advisory panel, forum and BoA is done primarily by **correspondence (email)**, using facilities of the OIML web site (distribution of documents, voting, etc.), although **the MC meets annually**.

# Key principles of the OIML-CS (cont.)

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12. The OIML-CS will have an **Executive Secretary** (a BIML staff member) who will be responsible for the day-to-day operation of the MC, including the advisory panel and the test labs forum.

# Key principles of the OIML-CS (cont.)

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## **13.The operation of the OIML-CS will not lead to an increase in the OIML membership fees.**

*Under the proposal, the costs of running and administering the OIML-CS will be accounted for separately.*

*This will enable the OIML to fully understand the costs associated with running the system and will enable a clear comparison with the income that will be generated through the registering of certificates.*



# Framework and documents for the OIML-CS

1. The **principles of operation of the OIML-CS** are defined in a **framework document**, approved by the CIML and endorsed by the OIML Conference  
⇒ B-type OIML publication (B xx), **see working document AHWG-MAA-Doc-2**
2. The OIML-CS Framework Document will be **supplemented by Management Committee document(s)**, comparable to the existing "MAA documents" (e.g. MAA 01)
3. Both the framework document and the MC document(s) are intended to **replace OIML B 3 and OIML B 10**; together they will incorporate many (most) of the elements of OIML B 3 and OIML B 10.

# Certification System Project Group (CSPG)

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## Terms of Reference of the CSPG

⇒ see Addendum 9.1, Part F, AHWG-MAA-Doc-5

### 1. Purpose of the project

The purpose of the project is to draft a B-type OIML publication with the framework for a single OIML certification system (OIML-CS) and to develop the procedures and operational documents for the OIML-CS.

# Certification System Project Group (CSPG)

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## 2. Membership and convenership of the CSPG

Membership of the CSPG is **open to interested CIML Members or their expert representatives\***.

The CIML first Vice-President, Dr. Roman Schwartz, is proposed to act as the convener of the CSPG. The BIML shall provide secretarial support.

**\*see BIML letter 15/220 (22 Sept. 2015) from Willem Kool**

# Certification System Project Group (CSPG)

## 3. Tasks

The tasks of the CSPG will be to prepare:

- **a Final Draft for an OIML B-type publication** containing the **framework** for the organization and structure of a single OIML certification system (OIML-CS), replacing the OIML Basic Certification System and the OIML MAA. The Final Draft shall be in accordance with the proposal developed by the ad-hoc working group for the review of the MAA (working document AHWG-MAA-Doc-1), as approved by the CIML (Resolution no. 2015/xa);
- **the nomination process** for membership of the Management Committee (MC) of the OIML-CS, and
- **the draft procedures and operational documents** applicable to the OIML-CS on the basis of the procedures and documents for the OIML Basic Certificate System and the OIML MAA, in particular OIML B 3, OIML B 10 and MAA 01.

# Certification System Project Group (CSPG)

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## 4. Time schedule

⇒ see next slide

## 5. Decisions

**Decisions of the CSPG are valid if two-thirds of votes cast by members (main contact) of the CSPG are in favour.**

**Abstentions and failures to reply do not count as votes cast.**

# Timeline and procedure for the implementation of the OIML-CS (see Addendum 9.1, Part D, AHWG-MAA-Doc-3)

	<b>AHWG/ CIML/ Conference</b>	<b>CSPG: Bxx</b>	<b>CSPG: MC documents</b>
<b>2015-10-20</b>	<b>50th CIML Meeting approves resolutions drafted by the AHWG</b>	<b>CSPG established by the CIML</b>	
<b>2015-11-01</b>		CSPG starts work on Bxx by correspondence to develop First Draft, based on Working document	CSPG starts work on MC docs and nomination procedure for the MC by correspondence
<b>2016-03-xx</b>		CSPG approves First Draft Bxx	
<b>2016-04-01</b>		First Draft Bxx circulated to CIML Members for comment	
<b>2016-06-01</b>		Deadline for CIML Members to comment on First Draft Bxx	
<b>2016-06-xx</b>		Meeting of the CSPG (if necessary)	
<b>2016-07-01</b>	Deadline for submitting proposals to the 51st CIML meeting	Final Draft Bxx circulated to CIML	Draft MC docs and MC nomination procedure available
<b>2016-10-xx</b>	51st CIML approves Bxx		
<b>2016-10-xx</b>	15th Conference sanctions Bxx and formally establishes the OIML-CS		
<b>2016-10-xx</b>	51st CIML (cont.)	CSPG disbanded	MC members elected, MC chair appointed, Executive Secr. appointed by BIML Direct.
<b>2016-12-xx</b>			MC considers, modifies, approves procedures and operational documents; appoints members of the Advisory Panel
<b>2017-01-01</b>	<b>Start of the OIML-CS / Basic system and MAA terminated</b>		

# Recommendations to the CIML

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**The Ad-hoc Working Group recommends that the CIML...**

- **Approves the principles, structure and organisation of the proposed OIML-CS,  
see Draft Resolution 2015/xa**
- **Establishes the proposed Project Group (CSPG),  
see Draft Resolution 2015/xb**



# Draft CIML Resolution no. 2015/xa

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The Committee,

Recalling its resolutions nos. 2013/15, 2013/16, 2013/17 and 2014/18,

Noting the report given by the chair of the ad-hoc working group and First CIML Vice-President, Roman Schwartz,

Approves the principles for a single OIML certification system (OIML-CS), and the proposal for the structure and organization of such a system, contained in document AHWG-MAA-Doc-1 dated 2015-07-07,

Thanks the chair and the members of the AHWG-MAA for their work,

Disbands the ad-hoc working group,

Instructs the BIML to continue to operate the existing Basic and MAA systems until such time as the CIML approves the OIML-CS and it becomes operational,

Encourages all participants in the existing Basic and MAA systems to fulfill their obligations.

# Draft CIML Resolution no. 2015/xb

The Committee,

Recalling its resolution no. 2015/xa,

Considering the proposal of the ad-hoc working group on the review of the MAA,

Decides to establish a certification system project group (CSPG) to prepare the relevant documents for the single OIML certification system (OIML-CS):

- a B-type OIML publication with the framework for a single OIML-CS,
- the procedures and operational documents for the single OIML-CS,
- the nomination process for membership of the OIML-CS Management Committee.

Requests its first Vice-President, Roman Schwartz, to chair the CSPG,

Requests interested Members to participate in the CSPG, or to designate expert representative(s),

...

# Draft CIML Resolution no. 2015/xb (cont.)

...

Instructs the Bureau to provide secretarial support to the CSPG,

Instructs the CSPG to take appropriate actions so that the proposed single OIML certification system may become effective 1 January 2017, subject to the CIML approval and Conference sanctioning of the B-type OIML publication "OIML-CS Framework Document",

Instructs the CSPG to work in accordance with the procedures laid down in the proposed terms of reference (AHWG-MAA-Doc-5),

Requests the CSPG to submit the final draft of the framework document for approval at the CIML meeting in 2016, with a view to having the approved publication sanctioned by the Conference in 2016.

# Final remarks

1. The AHWG, with the support of the BIML, has put a great deal of effort into the elaboration of a detailed concept for a new OIML certification system, based on the mandate given by the CIML.
2. The new OIML-CS will only be successful if there is an effective MC with dedicated members (including its chair) and a dedicated Executive Secretary, who want to develop and maintain a well-functioning OIML certification system within the framework defined and supervised by the CIML.
3. The CIML must be ready to give the MC the necessary freedom and responsibility to operate the system within the defined framework.
4. As the chair of the AHWG I kindly ask you to support both the proposed OIML-CS and the ambitious timeframe for its implementation. If the opportunity to gain endorsement at the 2016 Conference is missed then the next opportunity will not be until 2020.



**Thank you for your attention!**

**Questions ?**

# Benefits of an effective OIML-CS

## 1. For the OIML as an organisation:

→ Raises motivation within membership and reputation / attractiveness outside by facilitating mutual recognition worldwide, and thereby reducing TBT

## 2. For Issuing Authorities:

→ Can offer attractive services to customers (“one-stop-testing”)

## 3. For Utilizing Participants:

→ Do not need to built up own test facilities; can rely on qualified certificates and related test reports from accredited or peer assessed Issuing Authorities

→ Will be represented in the Management Committee

## 4. For manufacturers:

→ Can take advantage of mutual acceptance of test results

→ Unnecessary and costly multiple testing can be avoided

# **Why require a « self-declaration » from Issuing Authorities under Scheme A?**

## **Counter questions:**

- Can the OIML as the International Legal Metrology Organisation, which maintains close relationships to ILAC / IAF, any longer afford Issuing Authorities not having a QMS according to ISO/IEC 17025 in place, and not having at least self-declared that they comply with the requirements of ISO/IEC 17025?**
- Can the OIML afford “unqualified (Basic) certificates” any longer?**

# Why keep two schemes under one single system?

- The OIML-CS will be a single certification system that comprises – and logically must comprise – two schemes.
- The intention is that instruments will transition from Scheme A to Scheme B (MAA), with the aim of moving all instruments step by step to the Scheme B in the future.
- Scheme B is possible only for a category of measuring instrument (OIML R...), if there is at least one peer assessed or accredited Issuing Authority for that category that is accepted by the Management Committee.



# Why such an ambitious timeframe?

- There is a good momentum and a high motivation for a new OIML-CS noticed by most AHWG and CIML members at the moment
- There is a strong desire to fulfill the mandate given by the CIML in a timely manner
- Although not being mandatory, it is desirable that the OIML-CS is endorsed at the OIML Conference in 2016
- There are two elements of the OIML-CS that certainly need the endorsement of the Conference:
  - the membership / composition of the Management Committee
  - the budget and accounts

# Composition of the Management Committee?

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- **Most important: dedicated members!!!**
- **Only a dedicated group of MC members with full responsibility will be able to develop, promote and expand the new OIML-CS**
- **Small enough to be effective (maximum of 12 members)**
- **Members act in the best interest of the OIML-CS; they do not primarily represent the interests of their countries**
- **The range of Issuing Participants must be adequately represented**
- **Utilizing participants must be adequately represented, but obligations have to be recognized**
- **Different regions should be represented, if possible**

# Budget and accounts for the OIML-CS

- For the first time, the costs of running and administering the OIML-CS will be accounted for separately
- This will enable the CIML / OIML to fully understand the costs associated with running the system, and...
- will enable a clear comparison with the income that will be generated through the registering of certificates
- Estimations from the 2013 / 2014 data:
  - Average annual income (certification fees):  $\approx 72\,000$  €/a
  - Average annual costs per staff member:  $\approx 135\,000$  €/a

# Has the CIML full control over the OIML-CS?

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→ Yes, the CIML will keep full control over the OIML-CS:

- During the „development phase“ by the reports of the CSPG, and by voting on the framework document (= Basic Publication)
- In the „operation phase“ through effective, annual reporting and oversight of the actions of the MC