

## ACTIVITY REPORT FOR OIML CERTIFICATE SYSTEMS SEMINAR

**Dates:** 15-17 July 2019

**Venue:** Hangzhou Haihua Manlong Resort Hotel, PR China

**Host:** Department of Metrology, The State Administration for Market Regulation (SAMR)  
People's Republic of China.

**Speakers:** Mr Paul Dixon, BIML Assistant Director, Cock Oosterman OIML-CS MC Chairperson, Jairo Malaver – Columbia, Ashutosh Agarwal – India, Peter Ulbig – Germany, Takeshi Ito – Japan, Himba Cheelo – Zambia, Karlheinz Banholzer – CECIP, Phil Sorrell – New Zealand and Bob Joseph Mathew – Metas.

APLMF Rep: Mr Phil Sorrell

### 1. Objective of the Seminar

This seminar was primarily focused on providing participants with a detailed understanding of the OIML-CS and how it can support an economy to implement a new national type approval system, without the need to invest in expensive test facilities.

Participants acquired a detailed understanding of the requirements to participate and the processes to follow in order to participate in the OIML-CS.

Following the Seminar participants:

- understood the benefits of the OIML-CS,
- determined how the OIML-CS can support their economy to implement, or further develop, a national type approval system,
- learned how other economies have used the OIML-CS to support their national or regional type approval systems,
- understood the requirements for participation in the OIML-CS, and
- understood the processes to follow to participate in the OIML-CS as an OIML Issuing Authority, Utilizer or Associate.

The aim of this seminar was to help improve and harmonise metrology capability and type approval controls in the Asia-Pacific region, and to facilitate trade development through the removal of technical barriers and the application of consistent regulatory practice.

### 2. Target Group

The seminar was aimed at Directors and/or senior representatives of the national metrology authority or the body responsible for the legal control of measuring instruments in each economy. Participation in the event was limited to a maximum of two delegates per economy. Each delegate was required to demonstrate that they have a decision-making role within their economy.

### 3. Seminar Programme

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The structure and operation of the OIML-CS was detailed, including the management structures and supporting documents such as OIML B 18 *Framework for the OIML Certification System (OIML-CS)* and the Operational and Procedural Documents. Existing users of the OIML-CS explained how it has benefitted their economy. Breakout sessions enabled participants to share their knowledge and experiences and to identify the needs for their economy and the region.

The seminar ran to the agreed times as detailed in the attached Annex 1. The speakers were all competent and able to communicate effectively with the seminar participants. The mix of theory, breakout sessions and case studies were well managed and provided a good mix of content to ensure the participants were able to gain the best out of their attendance.

The seminar was well run, and the mix of speakers was appropriate to cover the OIML, Industry, laboratory and OIML CS Issuing Authority, Utiliser and associates perspectives. There was ample opportunity for participants to engage and explore issues pertinent to their own economies.

#### **4. Highlights/ Lessons Learned**

The objectives of the seminar were met in full, with good participation of all the participants.

The right target group was attended the seminar. With the additional participants from the PR China the total attending the seminar was 140 people. Discussion was well catered for in the breakout group work and the inclusive manner, in which, the speakers engaged with the audience. The feedback from participants was very positive, as was the level of engagement between participants throughout the seminar.

The first breakout session was very successful with active participation from all participants. An appropriate level of encouragement from the breakout group facilitators led to positive engagement with little reluctance to participate from the attendees.

It is important that a mix of communication methods was used to engage the participants, maintain interest and encourage active participation throughout activities and this was achieved during this seminar.

Participant feedback was collected via survey monkey following the seminar, as access was not available during the event in PR China.

25 participants responded, those from APLMF economies included Cambodia, Kiribati, Malaysia, Papua New Guinea, Philippines Thailand, Vietnam and Corresponding members Colombia and Lao PDR.

Overall, participants rated the logistics, advance information as good to excellent with just one satisfactory rating.

Overall participants rated the quality of materials, relevance of topics, competence of speakers, clarity of lectures, presentation slides and clarity of practical sessions in the good to excellent range with a small number of satisfactory ratings.

Activities were highly rated as relevant and that the group discussions assisted a better understanding of the topic.

#### **5. Next Steps/ Follow-up**

Seven APLMF economies indicated they would investigate becoming OIML-CS Utilisers following their attendance at the seminar.

APLMF and OIML should look at providing guidance for economies to more easily adopt the OIML-CS into their economy's legal metrology framework. This could be achieved by providing written case studies from economies that have already transitioned to accept the OIML-CS. The risks and benefits of accepting the OIML-CS into an economy's legal metrology framework could be documented for interested economies to learn from. Questions were asked about the risk to existing laboratory facilities in some economies. Laboratory work could be refocused to test instruments as part of market surveillance activities or conformity to type examinations to ensure instruments entering the market are as per the approval.

The possibility of providing assistance to CEEMS economies with technical experts who can guide the economy through the political and legislative engagement needed when amending legislation to incorporate the OIML-CS into the legislative framework. The OIML should consider providing guides to allow potential OIML-CS utilisers etc. to easily navigate the process to allow them to adopt the OIML CS in their economies.

Overall there appears to be differing levels of legal metrology quality infrastructure within the APLMF community. Maintaining a level of encouragement by providing coaching and guidance and specific technical assistance on occasions is needed to enable this position to improve. Continued capacity building, legal and political support, awareness raising initiatives and consideration in enabling the wider legal metrology community to exchange information is sort by the attending economies.

**Annex 1: Workshop Program**

**OIML/APLMF Seminar on the OIML Certification System (OIML-CS)**  
**“Promoting Global Harmonization for Measuring Instruments”**

15-17 July 2019

Hangzhou, P.R. China

Day 1

Time	Session	Suggested Topics	Speaker
09:00 – 13:00	<b>Opening</b>	<ul style="list-style-type: none"> <li>• Welcome Addresses               <ul style="list-style-type: none"> <li>• SAMR</li> <li>• APLMF</li> <li>• OIML-CS MC</li> </ul> </li> <li>• Introduction to the workshop</li> <li>• Group photo</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<p>Guests</p> <p>Paul Dixon/ Cock Oosterman</p>
	<b>Session 1: Introduction to the OIML</b>	<ul style="list-style-type: none"> <li>• Role of the OIML</li> <li>• OIML Recommendations and their role in the OIML Certification System</li> <li>• Legal Metrology and Quality Infrastructure</li> </ul>	Paul Dixon
	<b>Session 2: Breakout session “Type approval controls”</b>	<ul style="list-style-type: none"> <li>• Introduction to the type approval system of each economy</li> <li>• Group discussions:               <ul style="list-style-type: none"> <li>• Existing type approval control</li> <li>• Type approval needs for the region</li> </ul> </li> <li>• Feedback from groups</li> </ul>	<p>Poster session divided into 2 groups</p> <p>Lead by: Cock Oosterman/ Bob Joseph Mathew</p> <p>Group discussion divided into 4 groups</p>
10:30 – 11:00	<i>Coffee/Tea</i>		
13:00 – 14:00	<i>Lunch</i>		
14:00 – 17:50	<b>Session 3: Introduction to the OIML-CS</b>	<ul style="list-style-type: none"> <li>• OIML-CS overview</li> <li>• Structure</li> <li>• Scope</li> <li>• Documentation</li> </ul>	Paul Dixon/ Cock Oosterman

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	<b>Session 4: Stakeholder perspectives, experience sharing and benefits of the OIML-CS</b>	<ul style="list-style-type: none"> <li>• Case studies <ul style="list-style-type: none"> <li>• OIML Issuing Authority</li> <li>• Utilizer</li> </ul> </li> </ul>	Cock Oosterman/ Jairo Malaver/ Ashutosh Agarwal
15:30 – 16:00	<i>Coffee/Tea</i>		
18:00 – 20:00	<i>Dinner</i>		

### Day 2

Time	Session	Suggested Topics	Speaker
09:00 – 12:15	<b>Session 4 (continued): Stakeholder perspectives, experience sharing and benefits of the OIML-CS</b>	<ul style="list-style-type: none"> <li>• Case Studies (continued)</li> <li>• Benefits of the OIML-CS</li> <li>• Stakeholder perspectives</li> </ul>	Peter Ulbig/ Wang Jian/ Himba Cheelo/ Karlheinz Banholzer/ Phil Sorrell
	<b>Session 5: Participation in the OIML-CS (requirements and processes)</b>	<ul style="list-style-type: none"> <li>• Requirements for participation</li> <li>• Accreditation</li> <li>• Peer assessment</li> <li>• Experts</li> <li>• Process to become a Utilizer/Associate</li> <li>• Process to become an OIML Issuing Authority</li> </ul>	Paul Dixon/ Bob Joseph Mathew
10:30 – 11:00	<i>Coffee/Tea</i>		
12:15 – 13:00	<i>Lunch</i>		
13:00 – 18:30	<b>Technical Visit</b>	Visit to a company that has obtained OIML-CS certification	
18:30 – 20:30	<i>Dinner</i>		

### Day 3

Time	Session	Suggested Topics	Speaker
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09:00 – 13:00	<b>Session 6: Breakout session “Utilizing the OIML-CS”</b>	<ul style="list-style-type: none"> <li>Using the OIML-CS for national/regional type approvals</li> <li>Group discussions: <ul style="list-style-type: none"> <li>How can the OIML-CS support economies to implement a new, or develop an existing national type approval system</li> </ul> </li> <li>Feedback from groups</li> </ul>	Lead by: Cock Oosterman/ Paul Dixon  Group discussion divided into 4 groups
	<b>Session 7: Outcomes and Actions</b>	<ul style="list-style-type: none"> <li>Group discussion on outcomes and actions <ul style="list-style-type: none"> <li>International</li> <li>Regional</li> <li>National</li> </ul> </li> </ul>	All
10:30 – 11:00	Coffee/Tea		
13:00 – 14:00	Lunch		

### Annex 2: List of Participants

Title	Name	Economy	Institution
Mr.	Tenzin Dorji	Bhutan	Bhutan Standards Bureau
Mr.	Karma Wangdi	Bhutan	Bhutan Standards Bureau
Mr	Juan Carlos Mateus Sanchez	Brazil	INMETRO/NIM China
Ms	Vorleaks Peou	Cambodia	National Metrology Center (NMC)
Mr	Sophors EM	Cambodia	National Metrology Center (NMC)
Mr	Yin Vanndech	Cambodia	National Metrology Center (NMC)
Mr	Ashutosh Agarwal	India	Legal Metrology
Mr	Singh Veer Pratap	India	Department of Consumer Affairs
Mr	Ade Haryanto	Indonesia	Directorate of Metrology, Ministry of Trade

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Mr	Henry Gunawan	Indonesia	Directorate of Metrology, Ministry of Trade
Mrs	Kammari Betiota	Kiribati	Ministry of Commerce, Industry and Cooperatives, Business Regulatory Center
Mr.	Waimauri Nawaia	Kiribati	Ministry of Commerce, Industry and Cooperatives, Department: Administration
Mr.	Kadingthong SINGDALA	Lao PDR	Ministry of Science and Technology
Mr.	Vannakon TONPHENG	Lao PDR	Ministry of Science and Technology
Mrs	Suliana Ghazalli	Malaysia	National Metrology Institute
Mrs	Anouar Zaidi	Malaysia	Ministry of Domestic Trade and Consumer Affairs
Mrs	Baigalmaa Baasanjav	Mongolia	Mongolian Agency for Standard and Metrology
Mrs	Myasuren Norov	Mongolia	Mongolian Agency for Standard and Metrology
Mrs	Edna Kuve	Papua New Guinea	National Institute of Standards and Industrial Technology
Mr	Jeffrey Kamberan Gabriel	Papua New Guinea	National Institute of Standards and Industrial Technology
Mr	Manuel Ruiz	Philippines	National Metrology Laboratory
Mr	Kiveen Suycano	Philippines	National Metrology Laboratory
Mrs	Kalani Sandya Mallawaarachchi	Sri Lanka	Measurement Units, Standards and Services Department
Mr.	Rajapaksa Gamage Sanjaya Anuradha Perera	Sri Lanka	Measurement Units, Standards and Services Department
Mrs	Khemsai Rahannok	Thailand	Central Bureau Weight and Measure
Mrs	Penpak Boonchum	Thailand	Central Bureau Weight and Measure
Mr	Hung Ha Hai	Vietnam	Vietnam Metrology Institute
Mrs	Tran Thi Thuy Ha	Vietnam	Vietnam Metrology Institute



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Photographs



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### Appendix 3 - Summary of Action Plans

Complete the Action Plan below to show how you will what you learn at this seminar when you return to your economy. Add additional lines if required				
country	Name	Due Date	Activity	Who and how many people will be involved
Bhutan	Tenzin Dorji Karma Wangdi	15.08.2019	Draft type approval system for Measurement instrument	Head, Certification Division and 2 engineers from Metrology Division
		30.10.2019	Review of the draft by Head of BSB (DG)	All Technical staff of BSB
		01.12.2019	Float draft for stakeholder consultation	Industries and regulators
		30.01.2020	Finalize draft	DG and members of the BSB Board
		15.02.2020	Approval of the BSB Board	BSB Board
Cambodia	Sophors EM Vorleaks PEOU Yanndeth YIN	01.11.2019	Organsing workshop/ seminar to stakeholders on OIML-CS	Stakeholders, decision makers from other concerned ministries and enforcement officer
		01.12.2019	Setting up the clear structure of OIML-CS in Cambodia	Minister, vice minister and other regulators of MIH
India	Ashutosh AGAWAL	31.12.2019	to disseminate the information to other officers to bring harmony in specifications	Legal Metrology Officers of Govt. of India

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	Singh Veer PRATAP			
Indonesia	Ade Haryanto	End of 2019	Indonesia as OIML Utilizer	
			Completing Facility for Electronics Test of OIML CS ISO 17025 Accreditation for NAWI and Water Meter	
		2020	Completing Facility for Climatic Test of OIML CS ISO 17025 Accreditation for Fuel Dispenser and Residential Gas Meter	
Indonesia	Henry Gunawan	Mid of 09.2019	General Meeting to formulate new Ministerial Decree on Type Approval	Directorate of Metrology; Ministry of Trade; Regional Metrology Office; representative of Municipal Metrology Office; selected importing enterprise
Kiribati	Kammari Betiota	01.08.2019	Convene a meeting with all relevant stakeholders to present the report on outcomes of participation in the training which should include the action plan and timeline.	2
		19.08.2019	Calibrate mass set used by the Ministry.	2
		01.09.2019	Carry out mass public awareness and inspection to test and calibrate devices used by metrology sectors in Kiribati.	2
Kiribati	Waimauri Nawaia	20.08.2019	Training on Certification	Only officers at the Ministry of Commerce especially metrology officers, 8 - 15 people prior to

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				enactment of Metrology Bill in December to build their capacity.
		17.12.2019	Training of stakeholders	Training or awareness of stakeholders such as; fishing companies, to have common understanding of certification process and requirements. This due to happen after the metrology bill has been enacted in December Parliament proceeding. More than 20 people.
		20.01.2020	Training of Ministry Branch at Christmas Island branch	Business regulatory officers, enforcement officer who will enforced Metrology Act, about 5 to 6 officers
Kiribati		TBC	Look into becoming a OIML CS Utiliser	
Lao PDR	Kadingthong SINGDALA Vannakon TONPHENG	Before end of this year	Improve the certification system in Laos base on the OMIL	Officers of Metrology Center, DoSM
Lao PDR		TBC	Look into becoming a OIML CS Utiliser	
Malaysia	SULIANA GHAZALLI	10.2019	Colloquium on OIML Certification System Promoting Global Harmonization for Measuring Instruments	NMIM STAFF/AUTHORITY
Malaysia	Anuar Zaidi		No information given	

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Malaysia		TBC	Look into becoming a OIML CS Utiliser	
Mongolia	Baigalmaa Baasanjav	08.2019	Making Survey and analysis of the pattern approval	Verification and calibration officers
		10. 2019	Developing pattern approval procedures	Head of verification laboratory and senior officers
		11. 2019	Start training Session	Verification and industrial metrology officers
Mongolia	Myasuren Norov	08.2019	Share experiences to my coworkers	28 verification officers
		10.2019	Start training session	Qualified verification officers
		12.2019	Start training session	Verification officers of Local areas
Mongolia		TBC	Look into becoming a OIML CS Utiliser	
Papua New Guinea	Edna Edana KUYE Jeffrey Gabriel KAMBERAN	30.08.2019	1st Pattern Approval Certificate for Water Meters	Head of Metrology and Managers of Legal Metrology
		30.11.2019	Good Record of How Many Measuring Instrument that are subjected to legal control are in the country	The full metrology team
		30.11.2019	Established the Framework for Setting up the Legal Metrology Law in the Country	The full metrology team
Papua New Guinea		TBC	Look into becoming a OIML CS Utiliser	

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Republic of the Philippines	KIVEEN SUYCANO	08.2019	Dialogue with the management of my Institute	ITDI Director, Deputy Director, NML Chief, NML Staff – 8 people
		09.2019	Dialogue with the officials of the Bureau of Philippines Standards (BPS)	ITDI Director, Deputy Director, NML Chief, NML Staff, BPS officials – 12 people
		01.2020	Echo Seminar on the OIML Certification System	NML staff, NMB secretariat, Personnel from DOST Regional Metrology Laboratories, Laboratory Managers of Accredited Secondary Calibration Laboratories, Officials from the Bureau of Philippine Standards, Officials from Local Government Units - 60 people
Philippines	Manuel Ruiz	Within 1 to 2 mos	Review / study OIML CS and training notes	only me
		Within 2 to 3 mos	Echo learnings in OIML CS to Metrology Bill Team and NML staff	Metrology Bill Team (5) and NML staff (5)
		within 6 to 8 mos	Info material preparation (paper and electronic) on application OIML CS to Philippine setting	Me + Information and Documentation Section of TSD/ITDI + NML Webpage developer

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Sri Lanka	Kalani Sandya Mallawaarachchi	30.09.2019	Awareness about the seminar and OIML-CS system, how to implement in our organization	Management staff, type approval laboratory staff, legal metrology inspectors, 40 staff members
	Rajapaksa Gamage Sanjaya Anuradha Perera	30.11.2019	Draft regulation based on OIML recommendations for non-automatic weighing instruments, taximeters and fuel dispensers, volumetric measures	Technical committees with technical experts, 15 staff members
		On wards 2020	Annual awareness events  Drafting and implementing more regulations for type approval in demanding fields	staff members, regulatory authorities, traders and consumers  150 people in metrology day events
Sri Lanka		TBC	Look into becoming a OIML CS Utiliser	
Thailand	Khemsai Rahannok Penpak Boonchum	Within this year	type approval working group in Thailand	About 6 people
			Drive Thailand as one of utilizer or associate or issuing authority in OIML-CS	
			Spreadout the information and understanding to weight and measure officials	
Vietnam	Hung Ha Hai	2019-2021	Report to the leader about the content of the workshop; share the learning materials with the colleagues; Deliver the benefits, the requirements of the participation in, the processes to participate in the OIML-CS...to colleagues and to related person	Above 5 people

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Vietnam		TBC	Look into becoming a OIML CS Utiliser	
Vietnam	Thuy Ha Tran Thi	2019	Share and discuss the learning materials with colleague (training staff, official, technical staff) Review current regulations and technical requirements	3-5 people depending on availability
		2020	Add the suggested amendment in the appropriate documents	5 or more people
		2021	Receive response from agencies and organizations in the field	5 or more people