



**Asia-Pacific Legal Metrology Forum (APLMF) to
annual report to Asia Pacific Accreditation
Cooperation (APAC) June 2019 Report**



APLMF Report to APAC

1. Introduction

The Asia-Pacific Legal Metrology Forum (APLMF) is a regional grouping of legal metrology authorities; whose objective is the development of legal metrology and the promotion of free and open trade through the harmonisation and removal of technical or administrative barriers to trade in the field of legal metrology.

Metrology is the science of measurement. A well-functioning society relies on confidence in the accuracy of measurement with transparency for consumers, businesses and regulators. Legal Metrology provides regulations and systems for controlling the accuracy of measurements and measuring instruments. These legal metrology controls enable effective protection of public safety, the environment, consumers and traders and are critical to free and fair trade.

As a Specialist Regional Body (SRB) within APEC and working in liaison with other Specialist Regional Bodies including APAC and the International Organisation of Legal Metrology (OIML) APLMF; promotes communication and interaction among legal metrology authorities, supports the development of legal metrology in economies with emerging metrology systems and promotes harmonisation of legal metrology within the Asia-Pacific region.

APLMF activities are co-ordinated through an active Secretariat, Executive Committee and six Working Group's (See Appendix 1).

1.1. President and Secretariat

On 30 October 2015, responsibility for the Secretariat and Presidency of APLMF transferred from China to New Zealand. At the 25th Forum Meeting held in New Zealand in November 2018 it was agreed subject to final Ministerial confirmation that the Presidency and Secretariat of APLMF would move to Malaysia in November 2019.

APLMF celebrated 25 years at our Forum and Working Group meetings in Christchurch, New Zealand. Please view the 25-year history video presentation on our [website](#).

2. APLMF Meetings

The 25th APLMF Forum and Working Group meetings were held in Christchurch, New Zealand in November 2018. They were hosted by the New Zealand Ministry of Business Innovation and Employment (MBIE) and attended by 53 delegates representing 17 economies from around the world. The event was opened with a video welcome by Commerce and Consumer Affairs Minister Kris Faafoi and address by Jim Robinson, Manager Trade and International, MBIE. The meeting documents, resolutions and a summary presentation are available on the APLMF [website](#).

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The 26th Asia-Pacific Legal Metrology Forum and Working Group Meetings will be held 4 – 8 November 2019 Ha Long City, Quang Ninh Province, Vietnam. Planning for these events is underway and further details will be published on the APLMF website once they are confirmed.

Some of the key outcomes of the 25th APLMF meetings included the identification of actions to support regional utilisation of the new OIML Certificate System through formation of an APLMF Working Group aimed at supporting member economies to better understand and get the most benefits out of this system. Agreement was also reached to initiate development work on how a pilot Conformity to Type programme (<https://www.oiml.org/en/oiml-cs/general-info>) could work within the region. A work programme of training and development activities including creation of a library of online training modules was also confirmed.

APLMF activities are documented on our website: www.aplmf.org

2.1. Working Groups

At the 25th Forum and Working Groups meeting it was agreed to re-energise the Working Groups and appointed new Chairs and group members to each Working Group. Please refer to Appendix 1 for details of the Working Groups.

2.2. APLMF Current Membership

All APEC member economies are eligible to become APLMF members. At present, there are 27 APLMF member economies including 20 Full Members; Australia, Brunei Darussalam, Cambodia, Canada, PR China, Hong Kong China, Indonesia, Japan, Kiribati, , Republic of Korea, Malaysia, Mongolia, New Zealand, Papua New Guinea, Philippines, Singapore, Chinese Taipei, Thailand, USA and Viet Nam, and 7 Corresponding Members; Chile, Colombia, DPR Korea, Lao PDR, Russia, Mexico and Peru.

At the 25th APLMF and Working Group meetings the APLMF members approved extension of our membership categories to include an observer category for members that are not aligned with APEC but keen to learn more about metrology and share 'best practice'. Observer members will be able to attend training programmes and attend open sessions at our annual Forum and Working Group meetings.

3. Update on Current Activities

3.1. Training and Development

Metrology Enabling Developing Economies in Asia (MEDEA) is a project managed by Physikalisch Technische Bundesanstalt (PTB) and funded by the German Federal Ministry for Economic Development and Cooperation; which aims to foster and further develop the capabilities of the Asia-Pacific Metrology Programme (APMP) and the Asia-Pacific Legal Metrology Forum (APLMF) to support developing economies in the Asia-Pacific region.

The MEDEA 1.0 project started in January 2014 and ended in April 2018. An evaluation of the project was undertaken in late 2017. The report concluded that MEDEA has had significant impact on the Region's legal metrology capability. Since November 2015 APLMF/MEDEA have supported the training of 190 people across 21 economies. A MEDEA 2.0 Project funding training for a further 3 years has been approved and program details are under consideration.

In 2018 the following training was successfully delivered by APLMF as part of the MEDEA project:

APLMF Training delivered in 2018			
Course title	Host Economy	Trainers/Facilitators	Delivered
Pre-Packaged Goods	Nanning, China	New Zealand and an international expert	10 -13 April 2018
Verification of NAWI including weighbridges	Selangor, Malaysia	Australia, Malaysia	8-11 May 2018
Small Training Course for APLMF WG on Quality Measurement of Agricultural Products (QMAP)	Nonthaburi Thailand	Japan	2-6 July 2018
Verification of rice moisture meters	Pattaya, Thailand	Thailand	December 2018

The full training course reports can be found on the APLMF website.

Participant feedback – Survey Monkey continues to be used to successfully gather and report on feedback from participants at each course. The technical issues with logging into to survey monkey more than once on the same computer was resolved in early 2018.

APLMF Training to be delivered in 2019			
Topic	Host Economy	Trainers	Scheduled
OIML Certificate Workshop	PR China	To be advised	15-17 July 2019
Verification of Water Meters	Malaysia	To be advised	15-18 October

Development and trial of e-learning (on-line) training library – APLMF is developing a suite of on-line training modules on core legal metrology topics to complement face to face training (e.g. Testing of Non-automatic weighing Instruments, Weighbridges, Pre-packaged goods, Fuel Dispensers, Utility meters). These modules will be based on the relevant OIML International Recommendations and complement APLMF training courses. The modules will be useful for Inspection Officers and industry to improve consistency and promote harmonised best practice. This training will be hosted on the OIML on line learning platform and freely available to all economies. <https://www.ptb.de/lac/index.php?id=medea>.

Regional Utilisation of the new OIML Certificate system (OIML-CS) – The OIML-CS is a system for issuing, registering and using OIML Certificates and their associated OIML type evaluation/test reports for types of measuring instruments (including families of measuring instruments, modules, or families of modules), based on the requirements of OIML Recommendations. APLMF has formed a Working Group aimed at supporting member economies to better understand and get the benefits from this system. <https://www.oiml.org/en/oiml-cs/general-info>

Establishment of a pilot- Conformity to Type Programme (based on the final draft of *OIML International Document Conformity to Type (CTT) Pre-market conformity assessment of measuring instruments*) would work within the region.

3.2. Raising Awareness of Metrology

A joint work package between APMP and APLMF was initiated as part of the MEDEA 1.0 project to enhance the development, sharing and use of information resources to raise awareness of the importance and benefits of metrology systems.

There are large amounts of information and resources published by various organisations that provide instructions on metrology infrastructure development. These are, however, widely scattered and not easily accessed or used by economies. The objective of this activity is to develop a web portal for consistent and effective collection, sorting and sharing of this information.

The work stream also aims to pull together and document case studies of metrology 'best practice' and to enhance the understanding of resources and activities that National Measurement Institutes and Legal Metrology Authorities can use to improve key stakeholder relationships and awareness of the importance of metrology.

This work package will consist of the following three activities:

No.	Activity	Anticipated outcomes
Joint 2.1	Development of a joint APMP-APLMF web portal for information sharing - (<i>Metrology Asia Pacific Web Portal</i>)	A high-quality web portal that provide members with easy access to various information resources related with metrology capacity building
Joint 2.2	Studies on best practices of improving stakeholder relations	Members' enhanced understanding, development and use of mechanisms, measures and information resources in developing and improving their stakeholder relations
Joint 2.3	Studies on contributions of metrology to economic growth and society	<ul style="list-style-type: none"> - Learning of methodologies of doing impact studies - Sharing of information and data that manifest the economic and social impact of metrology - Enhanced stakeholder awareness on contributions of metrology to economic growth and society

3.3. Metrology Asia Pacific Web Portal

Final development and launch of a joint APMP-APLMF metrology web portal to facilitate sharing of information resources has been significantly delayed. The website will now launch later this year. The delay is due to time required to obtain and edit the content. The URL has been secured but is not currently live. It will provide a web portal that will introduce and link to useful information on authoritative metrology websites including: APMP, APLMF, OIML and the BIPM. The portal will enable easy access to resources that meet multiple needs for



communication and engagement with stakeholders on issues and development needs relating to metrology.

The goals of this project are to:

- Create a relevant and valued web portal – design and deliver a great digital experience where metrology information is centrally curated, easily accessed and well managed.
- Curate great content – work with stakeholders to collect, curate and provide access to the resources, data and tools that will provide value to the target audiences.
- Showcase metrology – present information in a way that clearly presents benefits, methodologies, and statistics and provides regional economies with the tools and resources required to show the value of building and improving their metrology infrastructure.
- Encourage metrology community contribution and sharing – create a digital resource that the community value and want to participate in. This will ensure the portal remains current, dynamic and valued.

Further communications and promotion of this portal will come out when it is launched in 2019. It is anticipated the website will become a useful tool for all economies wishing to develop or review their metrology systems.

Appendix 1: Current APLMF Contacts

APLMF Executive Committee		
Name	Organisation	Email / Contact
Mr Stephen O'BRIEN (APLMF President)	APLMF, C/o Trading Standards Ministry of Business, Innovation & Employment PO Box 1473, Wellington 6140, New Zealand	President@aplmf.org Telephone: 0064 4 460 1367 Mobile: 0064 21 221 4830
Mr XIE Jun (representing Immediate Past President Mr PU Changcheng (President 2007 to 2015, Honorary Member)	Director General, Department of Metrology State Administration for Market Regulation (SAMR) PR China	
Dr Osman ZAKARIA	Senior director of National Metrology Ministry of Domestic Trade and Consumer Affairs Malaysia	
Dr Rifan ARDIANTO	Deputy Director of Metrological Analysis Directorate of Metrology Indonesia	
Vacant Position	Nominations have been received and appointment is pending	

APLMF Secretariat		
Name	Address	Email
Ms Alli SMITH Senior Administrator	APLMF Secretariat C/- Trading Standards Ministry of Business Innovation & Employment PO Box 1473, Wellington 6140 New Zealand	secretariat@aplmf.org
Mrs Marian HAIRE Training Coordinator	APLMF Secretariat C/- Trading Standards Ministry of Business Innovation & Employment PO Box 1473, Wellington 6140 New Zealand	training@aplmf.org
Mr Phil SORRELL	Team Leader Compliance and Inspection, Trading Standards Ministry of Business Innovation & Employment PO Box 1473, Wellington 6140 New Zealand	phil.sorrell@mbie.govt.nz

Mrs Kathryn McCARRISON Senior Policy Advisor	APLMF Secretariat C/- Trading Standards Ministry of Business Innovation & Employment PO Box 1473, Wellington 6140 New Zealand	policy@aplmf.org
Technical Support		
Mr Julian CRANE	Senior Trading Standards Officer Trading Standards Ministry of Business Innovation & Employment PO Box 1473, Wellington 6140 New Zealand	julian.crane@mbie.govt.nz

Working Group on:	Economy	Chair	Email
Goods Packed by Measure	Indonesia	Dr Rifan ARDIANTO Deputy Director of Metrological Analysis, Directorate of Metrology Ministry of Trade	rifan.ardianto@kemdag.go.id
Metrological Control Systems	PR China	Mr GUO Su Senior Engineer State Administration for Market Regulation (SAMR)	guosu_aqsiq@163.com
NAWI (Weighbridges and Spring Balances e-learning modules 2019)	Malaysia	Ms Suliana GHAZALLI Metrologist in Mass, Laboratory, Mechanical Group National Metrology Institute of Malaysia (NMIM)	suliana@sirim.my
OIML Certificate Systems	PR China	Mrs ZHENG Huaxin Department of Metrology State Administration for Market Regulation (SAMR)	zhenghuaxin_aqsiq@163.com
Quality Measurement of Agricultural Products	Thailand/Malaysia	Mr Surachai Sungzikaw (Chair) Central Bureau of Weights & Measures, Thailand Mrs Haslina Abdul Kadir (Deputy Chair) National Metrology Institute of Malaysia (SIRIM Berhad)	surachai_cbwm@hotmail.com haslina@sirim.my
Utility Measures	PR China	Mr WANG Lei State Administration for Market Regulation (SAMR)	w@nim.ac.cn