



# Asia-Pacific Legal Metrology Forum update on activities

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**Regional Legal Metrology Organisations' Round Table**  
**Cartagena de Indias, Columbia**  
**9 October 2017**



# Outline

- Brief introduction of APLMF
- Role within Asia-Pacific Regional Quality Infrastructure
- Current Work Programme:
  - Providing APEC support
  - MEDEA Project:
    - Training
    - Developing e-learning modules
    - Published APLMF / APMP Joint Guide 1: National Metrological Infrastructure
    - Metrology Awareness raising project



# Asia-Pacific Legal Metrology Forum

Regional grouping of **Legal Metrology** authorities

**Objective:** support Asia-Pacific Economic Cooperation (APEC) goals -

- development of **legal metrology**;
- **promotion of free trade** through harmonisation and removal of technical barriers to trade (voluntary, practical application of OIML recommendations and documents)

October 2015 New Zealand took over leadership and secretariat

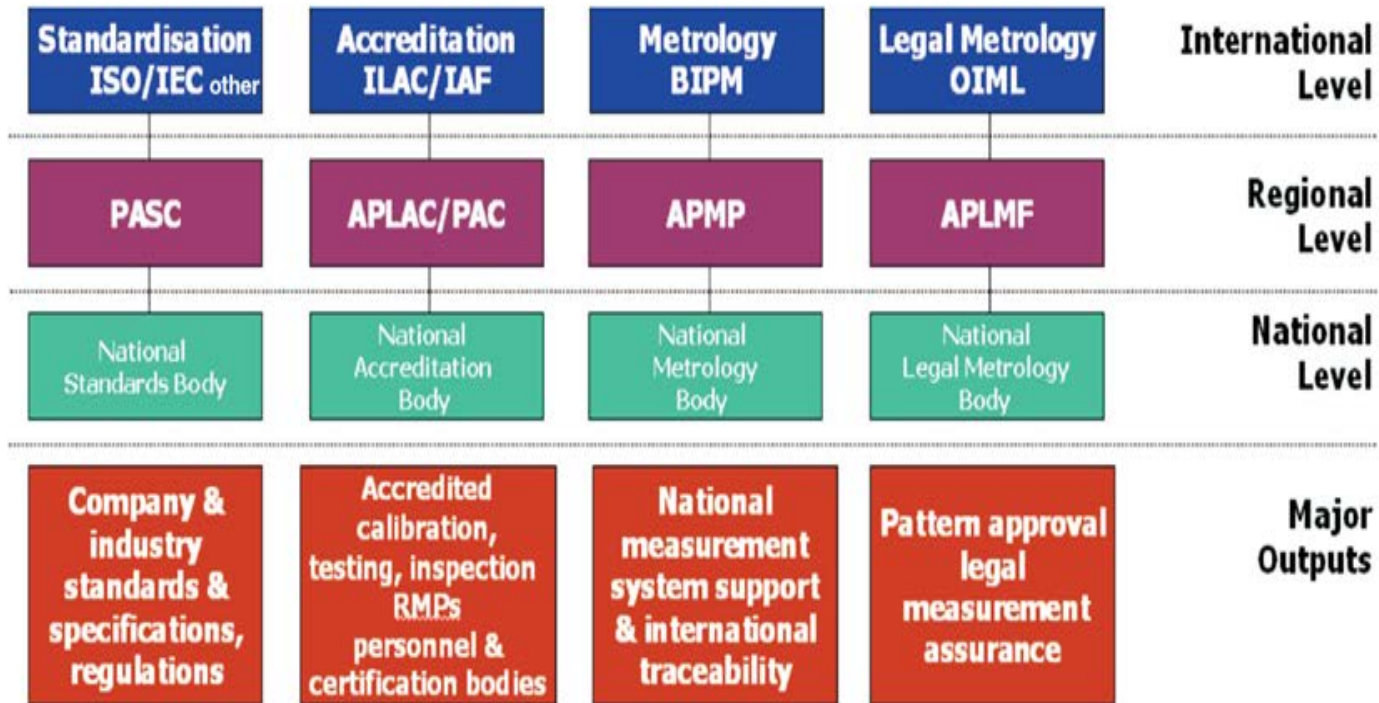
**Website:** [www.aplmf.org](http://www.aplmf.org)

**Current Membership:**

- 26 Member Economies, 19 Full, 7 Corresponding
- 2.9 billion people / 39 trillion \$US GDP



# Regional Quality Infrastructure



## Specialist Regional Bodies:

### Standardisation:

- Pacific Area Standards Congress (PASC)

### Accreditation:

- Pacific Accreditation Cooperation (PAC)
- Asia-Pacific Laboratory Accreditation Cooperation (APLAC)

### Metrology:

- Asia-Pacific Metrology Programme (APMP)
- Asia-Pacific Legal Metrology Forum (APLMF)



# Current Work Programme

## APEC support



- APEC is regional economic forum. Aim to create greater prosperity for the people of the region by promoting balanced, inclusive, sustainable, innovative and secure growth and by accelerating regional economic integration
- APLMF chairing Specialist Regional Bodies (SRB) Forum that reports to APEC Sub-Committee on Standards and Conformance
- Working to develop strategic work programme better aligned to APEC priorities and goals
- Facilitating early and effective specialist SRB input into APEC projects
- In the last year we have strengthened governance arrangements and how we communicate and collaborate



# Current Work Programme

- **MEDEA project**



- Metrology Enabling Developing Economies in Asia (MEDEA)
- 10 Work streams, Joint and individual APLMF and APMP activities.
- See MEDEA website: <https://www.ptb.de/tc/index.php?id=6461>
- Managed PTB, Funded by German Government
- MEDEA Part 1 (4 years) independently reviewed and found to be highly successful - met or exceeded all outcomes

- **Training Courses delivered in 2016-17**

Course	Host Economy	Date
Verification of Rice Moisture Meters	Malaysia	July 2017
Verification of Bulk Flow Metering Systems using a Master Meter	Thailand	July 2017
Verification of Weighbridges	China	Sept 2017
Verification of Non-Automatic Weighing Instruments	Malaysia	Nov 2016
Training Course on Mass Standards	Indonesia	Sept 2016
Training Course on the Verification of Fuel Dispensers	Thailand	July 2016

# Developing interactive online training material:

- Currently working on 'proof of concept' module for Non-automatic Weighing Instruments – Inspector in service verification
- Consistent with relevant parts of OIML R76
- Aiming to meet the needs of developing economies in Asia
- Once concept proven the long term goal is to develop a library of training with modules covering verification of all main instrument types

## Points to consider:

- Useful resource that can be shared with all RMO's
- Looking to possibly host on OIML Learning Management System
- Need input and peer review from OIML TC responsible for relevant recommendations





# National Metrological Infrastructure: Joint Guide 1

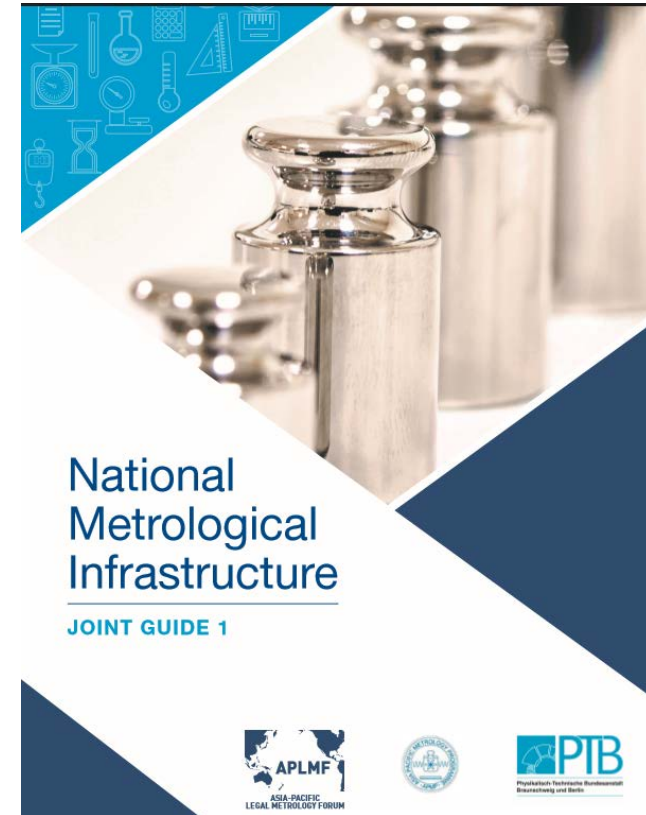
## (MEDEA APMP-APLMF Joint Project 1)



**Guide 1** - useful and informative guide to developing a National Infrastructure including both Metrology and Legal Metrology with a focus on the APEC region

**Aim is not to duplicate** but complement the content of other international documents from authoritative sources such as OIML D1

- To distil this information to make more easily accessible and easy to apply



- **Published 2017** and available on APLMF website:  
<http://www.aplmf.org/aplmf-guides.html>





# Raising Awareness of Metrology

## *(MEDEA APMP-APLMF Joint Project 2)*



**Aim:** improve the sharing of information resources between member economies to enable them to increase the awareness of the importance of metrology with consumers, industry, other regulators and government

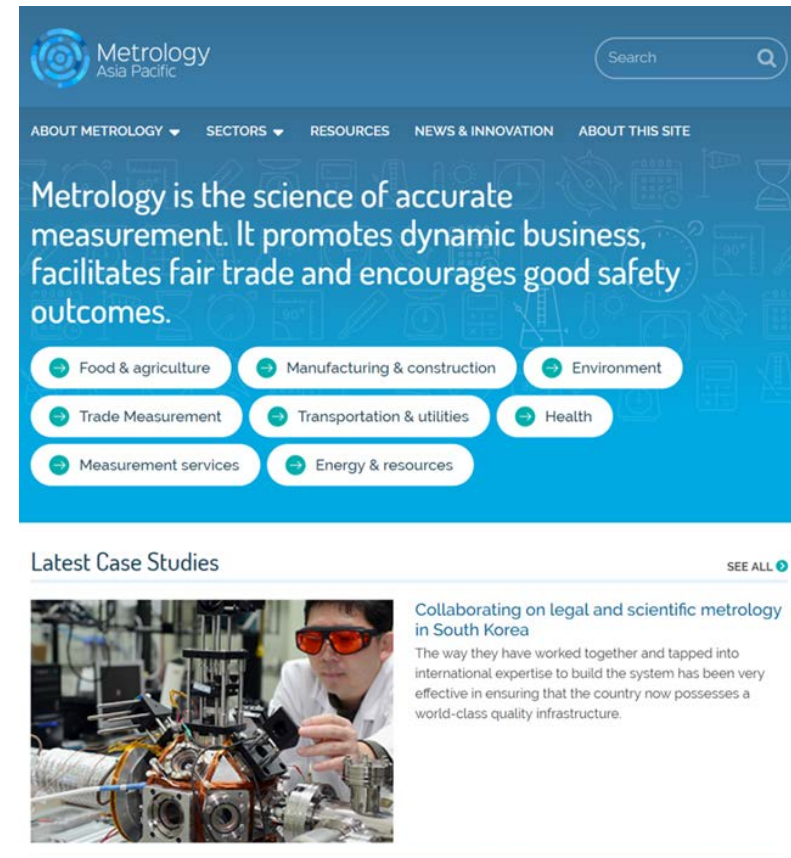
**Develop joint APMP-APLMF metrology web portal** ( [metrologyasiapacific.com](http://metrologyasiapacific.com) ) to facilitate sharing of information resources:

- Create a metrology web portal that will introduce and link to useful information on metrology websites including: APMP, APLMF, OIML, BIPM and other authoritative sources
- The overarching design objective is simplicity and ease of use, with multiple layers and links to more technical, complex information in an identified library
- The portal will enable easy access resources that will meet multiple needs for communication and engagement with stakeholders on issues relating to metrology

# Metrology Asia Pacific website

## PROGRESS - 2017/18

- **May 2017: International Workshop** — held in conjunction with APMP mid year meetings in Melaka, Malaysia to build understanding of different approaches, tools and techniques for raising awareness, with invited guests who have undertaken programmes and using case study methodology to build skills of participants
- Collecting and developing case studies to provide accessible information on the economic and social impact of metrology
- Identifying library of suitable resources to link to website
- **October 2017:** Reporting on progress and seeking review and input from Member economies
- **February 2018: Launching website** with communication campaign



## 24th Forum and Working Group Meetings



We would like to warmly invite delegates to attend the [24th APLMF Forum and Working Group Meetings](#), which will be held in Siem Reap, Cambodia, Wednesday 25 to Friday 27 October 2017.

Hosted by the National Metrology Center (NMC) of Cambodia at the Apsara Angkor Resort & Conference Hotel, the following meetings will be held:

- APLMF Executive Meeting Tuesday 24 October
- APLMF Working Group Meeting Wednesday 25 October
- APLMF Forum Meeting Thursday 26 and Friday 27 October



**Thank you for your time and  
attention.**

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