



**25<sup>th</sup> ASIA-PACIFIC LEGAL  
METROLOGY FORUM AND  
WORKING GROUP MEETINGS**

**7-9 Nov 2018, Christchurch, New Zealand**



# *Report on Training Coordination*



Presented by: Mrs Marian Haire  
APLMF Training Coordinator





- **WG Members:**

- Marian Haire
- Phil Sorrell
- Stephen O’Brien
- Kim Truscott
- Kathryn McCarrison





# Key activities of 2017/18

Course	Venue/host	Trainers	Delivery dates
Pre-packaged goods OPTC-MEDEA	China	China and New Zealand	10-13 April 2018
Verification of NAWI including weighbridges	Malaysia	Malaysia Philippines and Australia	8-11 May 2018
Specialist training for WG on QMAP	Thailand	Thailand and Japan	3-6 July 2018
Verification of rice moisture meters	Thailand	Thailand, Malaysia, Japan	3-7 December 2018



# Key feature of this year's work

- Expansion of WG for QMAP
- Now includes representation from 5 developing economies: Malaysia, Thailand, Indonesia, Vietnam and Cambodia
- Q MAP focused on transfer of knowledge and supporting members to implement
- Supporting the work in ASEAN WG3 group



## Key activities of 2017/18

- eLearning NAWI
- WG for Metrological Control is willing to develop additional eLearning modules using the guide test procedures we have listed on APLMF website
- WG for Metrological Control is looking for volunteers for this work.



## MEDEA 2

- Planning meeting held in July 2018 in Hongkong to develop operational plan
- Activities must meet the objectives:
  - Sustainable regional cooperation,
  - Regional cooperation instruments, and
  - Technical Training



# Sustainable regional cooperation

We will:

- Strengthen the Working Groups to ensure they have representatives from developing economies and are delivering appropriate support
- Deliver online training and a knowledge management system
- Develop a sound monitoring and evaluations system



# Regional Cooperation Instruments

We will:

- Use CABUREK tool to deliver projects on:
  - *Raising awareness of metrology,*
  - *Needs assessment for new services, and*
  - *Market surveillance.*
- 5 meetings over 2.5 years
- Colleagues and coaches support participants to implement projects in their economy





# Regional Cooperation Instruments

We will:

- Identify regional trainers from developing economies who will be available to deliver training to less developed economies
- Publicise case studies that promote the value of legal metrology



# Technical Training

We will:

- Deliver courses and create guide documents:
  - Verification of NAWI including weighbridges
  - Verification of rice moisture meters
  - Pattern approval and verification of utility meters (water, gas and electricity)
  - Verification of belt weighers (automatic weighing)
  - Software verification
  - OIML certification system



# Indicators of success

- Published case studies showing how APLMF is integrating and supporting developing economies.
- All WGs have new members from the Developing Economies.
- Three additional regional experts from developing economies deliver at least one training course in a new topic.
- The CABUREK tool has been implemented in the region.
- Publication of five new guide documents outlining suitable test procedures for the verification of different instrument types.



# MEDEA management

- Your representatives on MEDEA 2 CC are:
  - Marian Haire APLMF Training Coordinator
  - Stephen O’Brien, President APLMF
  - Haslina Binti Abdul Kadir, NMIM, Malaysia
- Technical Committee overseeing CABUREK will have two people responsible for monitoring progress of the various projects. They are:
  - Abdul Rashid Zainal Abidin from Malaysia, and
  - Marian Haire representing APLMF.



# New guide test procedures

- These test procedures were added to Guide 7
  - Verification of NAWI (without weighbridges)
  - Verification of rice moisture meters
  - Verification of taxi meters
  - Verification of bulk flowmeters
  - Verification of domestic water meters.
- Guide 7 is an excellent reference to assist with the implementation of verification in your economies



# Test procedure Surveys

- Non-Automatic Weighing Instruments (NAWI) including weighbridges.
- An updated survey for prepackages representing 2017 version of R 87
- Support this process by completing the survey



# Future training courses

Course	Venue/host	Trainers	Delivery dates
Pattern approval and verification of water meters	Selangor, Malaysia	Malaysia	October 2019
Pattern approval and verification of electricity meters			2020
Pattern approval and verification of gas meters			2020-21
Verification of coffee bean /bean moisture meters			2019 2020
Verification of belt weighers			2019
Software verification of measuring instruments			2019 2020
Type Approval using OIML CS			2019



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*Thank you for your attention*



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