



**26<sup>th</sup> ASIA-PACIFIC LEGAL  
METROLOGY FORUM AND  
WORKING GROUP MEETINGS**  
6-8 November 2019, Ha Long City,  
Quang Ninh Province, Viet Nam



## Working Group Report - 2019

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### ***[NON AUTOMATIC WEIGHING INSTRUMENTS - NAWI]***

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Report developed by :

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Position

DEPUTY DIRECTOR OF MECHANICAL GROUP

Organisation

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**SECTION 1 –Details of the membership of the Working Group**

Number	Name	Organisation	ECONOMY	
1	MS. SULIANA GHAZALLI	NATIONAL METROLOGY INSTITUTE	MALAYSIA	CHAIR
2	MR JULIAN CRANE	TRADING STANDARDS, MBIE	NEW ZEALAND	MEMBER
3	MR KIVEEN P.SUYCANO	NATIONAL METROLOGY LABORATORY	PHILIPPINES	MEMBER
4	SUDCHAI SRIKHAJORNDET	BUREAU OF WEIGHTS AND MEASURES (BWM)	THAILAND	MEMBER

**TERMS OF REFERENCE****BACKGROUND**

At the 25th Forum meeting in Christchurch, New Zealand, Forum members endorsed the setting up of a Working Group on NAWI. The purpose of this working group being establish is to eliminate:

1. Inconsistencies in the implementation of test procedures;
2. Reduce the amount of time consuming and costly training;
3. Different interpretation of test procedures by the economies and the trainer during the training;
4. Difficulties explaining complex procedures; and
5. The need to refresh knowledge and get feedback or follow up after training.

**SCOPE**

The Working Group will create an online training module for Spring balances and weighbridges which demonstrates the implementation of tests procedures based on OIML recommendations used by legal. The training module will be used by the legal metrology practitioners from the economies within the Asia Pacific Region.

**OBJECTIVES**

1. To contribute to harmonisation and standardisation of international test procedures based on OIML Recommendation across the Asia Pacific region;
2. To enhance the consistency of training, by providing the quality and latest information and advice from the experts;
3. To improve the technical knowledge and capability of new and existing legal metrology practitioners;
4. To use English language to simplify and explain the common test procedures;
5. To achieve a great degree of coverage for the target audience while ensuring a consistent message is communicated;

6. To save time and money by reducing time away from the workplace, eliminating the need for travel and removing the need for classroom- based training; and
7. To increase the number of people who can access training at low cost.

#### **TARGET OUTCOMES**

1. Development and establishment of eLearning for spring scale and weighbridges;
2. Harmonisation of test method and test procedure with OIML Recommendation, and APLMF Guide;
3. Enhance knowledge and capabilities in eLearning modules among members and legal metrology practitioners; and
4. Establish experts who will lead the implementation of eLearning modules.

## **SECTION 2 – Key activities of 2018/19**

#### **ACTIVITIES FOR YEAR 2019**

- Identified Verification of Spring Balances and weighbridge (substitution method) for subject matters



Figure 1 : Spring balances



Figure 2 : Weighbridge

- ## SECTION 3 – Future focus – Planer for Year 2019

[illegible]

5	Activities for year 2019 - Spring scale											
	i. Compile verification procedures for spring scale and weighbridge							11				
	ii. Design question for e-learning module											
	iii. Design a suitable chart or graphic for the e-learning											
	iv. Compile all the documents for reviewing by email											
6	Activities for year 2019 - 2020 Weighbridge											
	i. Compile verification procedures for weighbridge							11				
	ii. Design question for e-learning module											
	iii. Design a suitable chart or graphic for the e-learning											
	iv. Compile all the documents for reviewing by email											

Legend

Plan

Actual

## SECTION 4 – Future focus – emerging issues

## ISSUES

- To consider the COST that involve in preparation of this module
- To have a feedback or survey to the economies especially ASEAN :
  - i. Their type of mechanical balances
  - ii. Language of module
- To have regularly discussion and meeting during the preparation the module because involve different economy.