

**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 GroupReport - 2019

# [NON AUTOMATIC WEIGHING INSTRUMENTS - NAWI]

Report developed by :
Position
Organisation
Contact details

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SECTION 1 – Details of the membersh	ip of the Working Group
Section 1 Details of the membersh	ip of the working droup

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

#### 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.

## <u>SCOPE</u>

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

- Will use 'How to develop an e-learning module guide 8' and 'New Zealand module' for WG reference
- Have compiled test procedures verification of spring scales and weighbridges (substitution method) and will discuss during the meeting in Vietnam
- Malaysia will use their weighbridge to be a part of e learning module
- Discussion during the WG meeting in Vietnam :
  - i. Identified others mechanical balances other than spring scales that still use by the economies
  - ii. WG committee need to prepare below information to develop to e-learning module:
    - an introduction
      - test procedures
      - animations that shows the test being performed
      - preparation of script
      - a quiz
      - an assessment to test the learner's knowledge
      - Sets out the details of who is going to do what
        - to set a timeline to develop the module
  - iii. Chair will explain and discuss the document that developed by the MBIE. Members need to become familiar with this document and start to develop content using the approved templates

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

Planner for Working Group NAWI by Year 2019													
No.	Desription	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
	Appoinment												
	i. Chairman												
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	ii. Members												
		11											
2	Terms of reference							Executive Committee					
-	Preparation of Terms of reference								7				
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	Working Group Meeting or teleconference												
3	Meeting at Vietnam												
								Ema	ailed to Kim				
	E -learning document				1			Truscott - feedback					
	i. Review governance document by chairman and feed back												
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4	ii. Review governance document by members (feedback)	_											
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	iii. Understanding and Implementation	-	-	-					-				
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# **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.