



**26th 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

[NON AUTOMATIC WEIGHING INSTRUMENTS - NAWI]

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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

- 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.	Description	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	Appointment											
	i. Chairman	11										
	ii. Members	11										
2	Terms of reference											
	Preparation of Terms of reference							20	4			
3	Working Group Meeting or teleconference											
	Meeting at Vietnam											
4	E -learning document											
	i. Review governance document by chairman and feed back											
	ii. Review governance document by members (feedback)							6				
	iii. Understanding and Implementation											

Executive Committee

Emailed to Kim Truscott - feedback

Activities for year 2019 - Spring scale													
5	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												
Activities for year 2019 - 2020 Weighbridge													
6	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.