



**24th ASIA-PACIFIC LEGAL
METROLOGY FORUM AND
WORKING GROUP MEETINGS**
25-27 Oct 2017, Siem Reap, Cambodia



Training Coordination Report



Presented by: Mrs Marian Haire
APLMF Training Coordinator



- **WG Members:**
 - Marian Haire
 - Phil Sorrell
 - Alan Johnson
 - Chung-Lin Wang
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 - Guo Su
 - Charles Ehrlich



Key activities of 2016/17

Course	Venue/host	Trainers	Delivery dates
<u>Verification of rice moisture</u>	Sepang, Malaysia	Japan and Malaysia	17–21 July 2017
<u>Verification of bulk fuel systems</u>	Pattaya City, Thailand	Australia and Thailand	24–27 July 2017
<u>Pattern approval and verification of water meters</u>	Sepang, Malaysia	Australia and Malaysia	12–14 September 2017
<u>Verification of weighbridges</u>	Beijing, PR China	PR China	26–29 September 2017



Key feature of this year's work

- Identified expert trainers from developing economies
- Malaysia supported rice moisture and water meters courses and developed training facility to deliver practical training for verifying weighbridges
- Thailand supported bulk fuel meters course – previously delivered fuel course
- Malaysia, Thailand and Philippines want to establish training centres



Mallaca, Malaysia 22 – 23 May 2017

- Modernising National Metrology Infrastructures:
Key issues – approaches – lessons learned
- Focus on Joint APLMF APMP projects:
 - Guide 1 National Metrological Infrastructure
 - Joint web portal and case studies
- Directors from 15 developing economies participated
- Interactive workshop - evaluated highly.



Evaluation of MEDEA 1

- External consultant interviewed participants and CC members during Malacca workshop
- Information gathered during evaluation and workshop will be used to develop proposals for MEDEA 2.



Analysis of Survey Results

Test procedure for NAWI digital indication

	Yes	No	Not applicable*
Does your economy's test procedures align with the test procedures described in this survey.	80%	10%	10%

*Not applicable: Local procedures are much more generic and seem to be more subject to interpretation



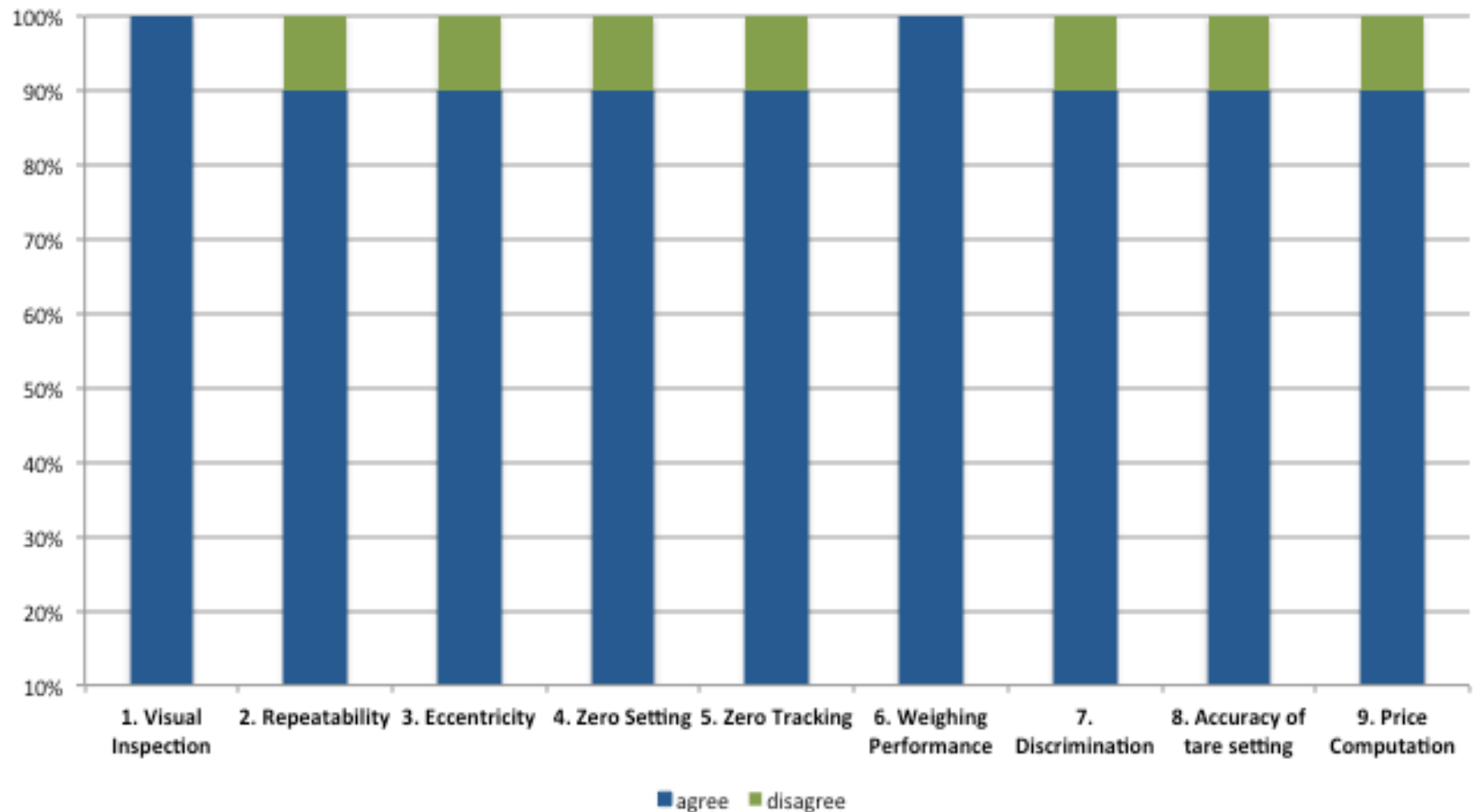
NAWI with digital indication

Test name	Total economies surveyed	Agree	Disagree	Economies not responded
1. Visual inspection	19	11	0	9
2. Repeatability	19	9	1	9
3. Eccentricity	19	9	1	9
4. Zero setting	19	9	1	9
5. Zero Tracking	19	9	1	9
6. Weighing Performance	19	10	0	9
7. Discrimination	19	9	1	9
8. Accuracy of tare setting	19	9	1	9
9. Price-computation	19	9	1	9

Economies that participated in the survey were: Australia, Canada, Cambodia, Japan, New Zealand, Papua New Guinea, Philippines, Singapore, Chinese Taipei, Viet Nam
No response means the country did not respond to the survey questionnaire



Test procedure for NAWI with digital indication





Purpose of these surveys

- Capture a summary of the test procedures that trainers are advocating during courses
- Provide quality control over training programs
- Create a snapshot of how the region is implementing/interpreting OIML recommendations
- Provide a resources for developing economies to benchmark against



Future focus – Recommendations

- MEDEA 1 will continue to April 2018
- MEDEA 2 will be funded for a further 3 years – will build on MEDEA 1
- You need to guide the direction of MEDEA 2
- Ideas gathered will be further workshopped in 2018 and a full program developed



Training courses suggestions

Course	Venue/host	Trainers	Delivery dates
Verification of NAWI including weighbridges	Sepang, Malaysia	Australia and Malaysia	May 2018
Water meters	Sepang, Malaysia	Malaysia	2019
Verification of rice moisture meters	Pattaya	Thailand	Nov 2018
Reference standards	?	?	



Future focus – emerging issues

- APMP focus groups:
 - Clean Water,
 - Climate Change,
 - Energy Efficiency,
 - Food Safety,
 - Medical Diagnostic Equipment.
- How could APLMF support these initiatives?



OIML Regional Training Centre

- China hosting
- How can we support this initiative?



Your support is required

- I look forward to your questions and suggestions
- Please advise if you wish to be a host or supply trainers.