

# Asia-Pacific Legal Metrology Forum

## Annual Report 2015

### Working Group on Quality Measurements of Agricultural Products

To be reported at the WG meetings on 28 October, 2015

#### 1. Conducted training courses on grain (rice) moisture measurement

APLMF agreed to accept the support from PTB in Germany in 2013. This is a joint project participated by PTB, APLMF and APMP (Asia-Pacific Metrology Programme) called “Metrology: Enabling Developing Economies within Asia (MEDEA)”. The training program for grain moisture measurement is included in this project.

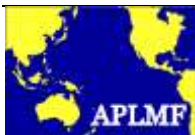
In reply to the request from the WG, Indonesia and Thailand hosted training courses. Great thanks to their support, two APLMF Training Courses on Traceability in Rice Moisture Measurement were conducted in Indonesia (May, 2012) and Thailand (November 2013). These courses were supported by the host economy, the trainers and APLMF.

#### 2. Planned a training course on rice moisture measurement in Cambodia in 2015

With dedicated support by NMC (National Metrology Center) in Cambodia and the MEDEA project, the next training course is planned in Phnom Penh on 16-20 November, 2015 (see separate program). NMIJ (National Metrology Institute of Japan) and Kett Electric Laboratory Co. Ltd. will provide five trainers.

#### 3. Completed the 1st draft of an APLMF guide document on rice moisture measurement

The WG has provided the first draft of a new “*APLMF Guide Document on Rice Moisture Measurement*” at this Forum Meeting (see separate draft). This document aims to provide practical procedures to establish a regional traceability system and calibrate/test grain moisture meters, which are not covered by the OIML recommendations or ISO documents. Materials used in the previous training courses on rice moisture measurement are used as the basis of this guide document. The WG calls for any comments on this draft by the member economies. The WG hopes the final version would be approved by the secretariat and uploaded on the APLMF website for benefit of the member economies.



## Asia-Pacific Legal Metrology Forum

---

### 4. Contributed to OIML TC 17/SC 1 and TC 17/ SC 8

The WG has been continuously monitoring the activities of OIML TC 17/SC 1 (humidity) and TC 17/SC 8 (instruments for quality analysis of agricultural products) in regard to the two OIML documents shown below.

(1) **TC 17/SC 1 R 59** "*Moisture Meters for Cereal Grains and Oilseeds (1984)*":

Discussion for revising the present recommendation is in progress by the joint secretariat of USA and PR China. CD7 (7th committee draft) of R 59 was sent to the P members of SC1 in December, 2014. The WG, as Japan, submitted comments on CD7 in March, 2015.

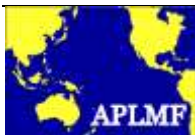
(2) **TC 17/SC 8** on "*Protein Measuring Instruments for Cereal Grains and Oilseeds (New)*":

Discussion in SC8 to draft a new recommendation has been almost finished with a dedicated effort by the secretariat in Australia. DR (Draft Recommendation) was sent to all CIML members in August 2015 (deadline of reply: 13 November). The WG is preparing comments on DR.

In Japan, the WG chair attended a domestic mirror committee of OIML TC17 and exchanged information between the manufacturers of moisture meters and protein measuring instruments.

### 5. Cooperation with BIPM and APMP on moisture measurement

The WG exchanged information regarding the grain moisture measurement with the experts in metrology in NMIJ, who cooperate BIPM and APMP.



## Asia-Pacific Legal Metrology Forum

### 2016 Work Plan Working Group on Quality Measurements of Agricultural Products to be reported at the WG meetings on 28 October, 2015

#### 1. Planning the next training course on grain moisture measurement

Many participants in the training courses on rice moisture measurement requested to continue a training program in this field. The WG therefore will continue to call for host economies in the future in the scheme supported by the MEDEA project. Please inform any proposals or requests to the WG at any time. There is an important policy for selecting the host economy that one economy cannot host two training course consecutively. This is because the WG hopes that all member economies will have an equal chance to host the training course.

#### 2. Drafting of the APLMF guide document on grain moisture measurement

The WG will continue to draft the “*APLMF Guide Document on Rice Moisture Measurement*” in cooperation with WG on Training Coordination and WG on Metrological Control System. WG calls for comments to the first draft and continue the revision procedure of the draft. The WG hopes that comments to this draft would be submitted to the chairperson preferably by the end of January, 2016.

#### 3. Contributing to the OIML TC 17/SC 1 and TC 17/SC 8

The WG continue to contribute to OIML TC 17/SC 1 and TC 17/SC 8 by submitting comments and sending delegates to their meetings. The WG aims to contribute to harmonize between the activities of OIML and APLMF in agricultural measurements.

#### 5. Monitoring activities of BIPM and APMP on grain moisture measurement

The WG continues to monitor activities in scientific metrology including BIPM and APMP, regarding the traceability and uncertainty in grain moisture measurements. These organizations recognize the importance of grain moisture measurement as an important application of scientific metrology.

#### 6. Supporting MEDEA training courses

Although this is not included in the scope of the WG, the chairperson will support planning of APLMF/MEDEA training courses to be conducted in 2016 on (1) bulk flow meters for petroleum in Yokohama, Japan and (2) mass, volume and length in Indonesia.