



---

# MEDEA: “Metrology – Enabling Developing Economies in Asia

## Foundation Course on Pre-packaged Goods March 2021 online

### 1. Introduction:

As the number of pre-packaged goods traded in the international marketplace continues to increase, so too does the importance of implementing standardized methods for determining the net contents of pre-packaged products. The Average Quantity System (AQS) is an internationally agreed method used by legal metrology officials to determine the quantity of pre-packed goods with a ‘constant nominal content’. It provides confirmation of the quantity of goods sold by measure (weight, volume, length or area) or count (number of items). It is essential that economies and regulators are well informed about how to implement AQS to enable them to determine compliance of pre-packaged goods imported to and exported from their respective economies. Compliant goods improve consumer confidence and provide a level playing field for businesses to operate. They also are critical to an effective marketplace and trade facilitation. The intent of this course is to help improve and harmonise metrology capability in the Asia-Pacific region and facilitate trade development through the removal of technical barriers and the application of consistent regulatory practice. Participants will be encouraged to apply what they have learnt within their respective economies.

### 2. Course Objective:

This course focuses on the theory that underpins the AQS system and the internationally accepted labelling requirements based on OIML R87 edition 2016 with an emphasis on the mass of prepackaged goods. At a later-date, courses will be delivered looking at different aspects of the system such as density, carbonated goods, wet products etc.

Participants will learn about good regulatory practice and how to conduct a reference test including issues to be considered when conducting a reference test. Participants will use the APLMF standard Test Spreadsheet as a tool for assessment and calculation.

This training provides participants with the skills and knowledge to:

- Understand and apply the requirements of OIML R 87 and R79 especially for prepackaged goods sold by weight
- Inspect pre-packaged goods using Internationally accepted Average Quality System methodology
- Determine if their economy’s current inspection systems meet OIML requirements.

### **3. Course Delivery**

Training will be delivered using 4 two-hour zoom sessions held on each Wednesday in March at the same time each week. Participants will be expected to attend each session and to complete some reading between sessions. A maximum of 20 participants will be accepted for the training. Participants will be able to ask the trainers questions throughout each session. A test run will be held on 24 February at 10 am (**UTC/GMT +8 hrs**) to ensure everyone has the technology working. During the test run participants will introduce themselves and we will share the collated results regarding how prepackaged goods are managed in each economy. You will receive a zoom link when you are accepted for the course. See attached file for technical specifications required to participate effectively.

The workshop will be recorded and placed on the APLMF website so others can view it at a later date.

The dates are as follows:

<b>Dates</b>	<b>Starting Time (Indonesia time) for each 2-hour session</b>
24 February	10 am - Test run to ensure connectivity
3 March	10 am - Labelling on pre-packaged goods (OIML R79) and Review OIML Guide 21
10 March	10 am - Sampling procedure at manufactures/packers and at marketplace (supermarkets, etc.) – OIML R87
17 March	10 am - Net content of pre-packages sold by weight (practical)
24 March	10 am – Net content of pre-packages sold by volume (practical)

### **4. Technical Requirements:**

The ***recommended technical requirements*** for optimal results to participate in the online training on the Zoom platform are as follows:

- Intel Laptop/PC from 2009 or higher
- Dual Core 2Ghz or higher
- Windows 10
- Google Chrome 56 or higher
- HD USB Webcam
- Headset/Mic combo or Earphones + USB Microphone
- Network Connection: Recommended 2Mbps Up/2Mbps Down network bandwidth

### **5. Organizers:**

- Asia–Pacific Legal Metrology Forum (APLMF)
- Physikalisch-Technische Bundesanstalt (PTB) – MEDEA project
- Directorate of Metrology, DG Consumer Protection and Trade Compliance Ministry of Trade, the Republic of Indonesia
- Center for Development of Metrological Resources, Ministry of Trade, the Republic of Indonesia
- Trading Standards, Ministry of Business, Innovation & Employment, New Zealand

**6. Trainers:**

- **Davis White**, Ministry of Business Innovation and Employment, New Zealand
- **Lita Annita Fajarani**, Center for Development of Metrological Resources, Ministry of Trade, the Republic of Indonesia

**7. Registration:**

Complete the “Nomination Form” and send it to PTB – [mail to: Anne.Hoepfner@ptb.de](mailto:Anne.Hoepfner@ptb.de)  
by **15 January 2021**

**APLMF Secretariat**

Ministry of Business, Innovation & Employment (MBIE)

PO Box 1473, Wellington 6140, New Zealand

Ms Alli Smith

Tel.: +64-4-4601367

E-mail: [Secretariat@aplmf.org](mailto:Secretariat@aplmf.org)

**MEDEA (PTB) Contact Person:**

**(Registration)**

Ms Anne Höpfner

Bundesallee 100, 38116 Braunschweig, Germany

Tel: +49 531 592 8218

E-mail: [Anne.Hoepfner@ptb.de](mailto:Anne.Hoepfner@ptb.de)

## Foundation Course on Pre-packaged Goods

Session 1	Labelling on pre-packaged goods (OIML R79) and Review OIML Guide 21
Session 2	Sampling procedure at manufactures/packers and in the marketplace (supermarkets, etc.) – OIML R87
Session 3	Net content of pre-packages sold by weight
Session 4	Net content of pre-packages sold by volume

### Session 1 – Wednesday 3 March 2021

Details	Presenter
Overview of each economy's current implementation	<b>Davis White and Lita Annita Fajarani</b>
Labelling on pre-packaged goods (OIML R79)	
Review OIML Guide 21	
Online Quiz	

### Session 2 – Wednesday 10 March 2021

Sampling procedure at manufactures/packers	<b>Davis White</b>
Sampling procedure at marketplace	<b>Davis White</b>
Online Quiz	

### Session 3 – Wednesday 17 March 2021

Net content of pre-packages sold by weight (rice)	<b>Lita Annita Fajarani</b>
Online Quiz	

### Session 4 – Wednesday 24 March 2021

Net content of pre-packages sold by volume (cooking oil)	<b>Lita Annita Fajarani</b>
Online Quiz	
Action Plans	<b>APLMF</b>