



Report from Asia-Pacific Legal Metrology Forum (APLMF)

OIML RLMO RT

(Regional Legal Metrology Organizations Round Table)

30th September 2024

**Tsuyoshi MATSUMOTO (Dr),
APLMF Training Coordinator, Japan**



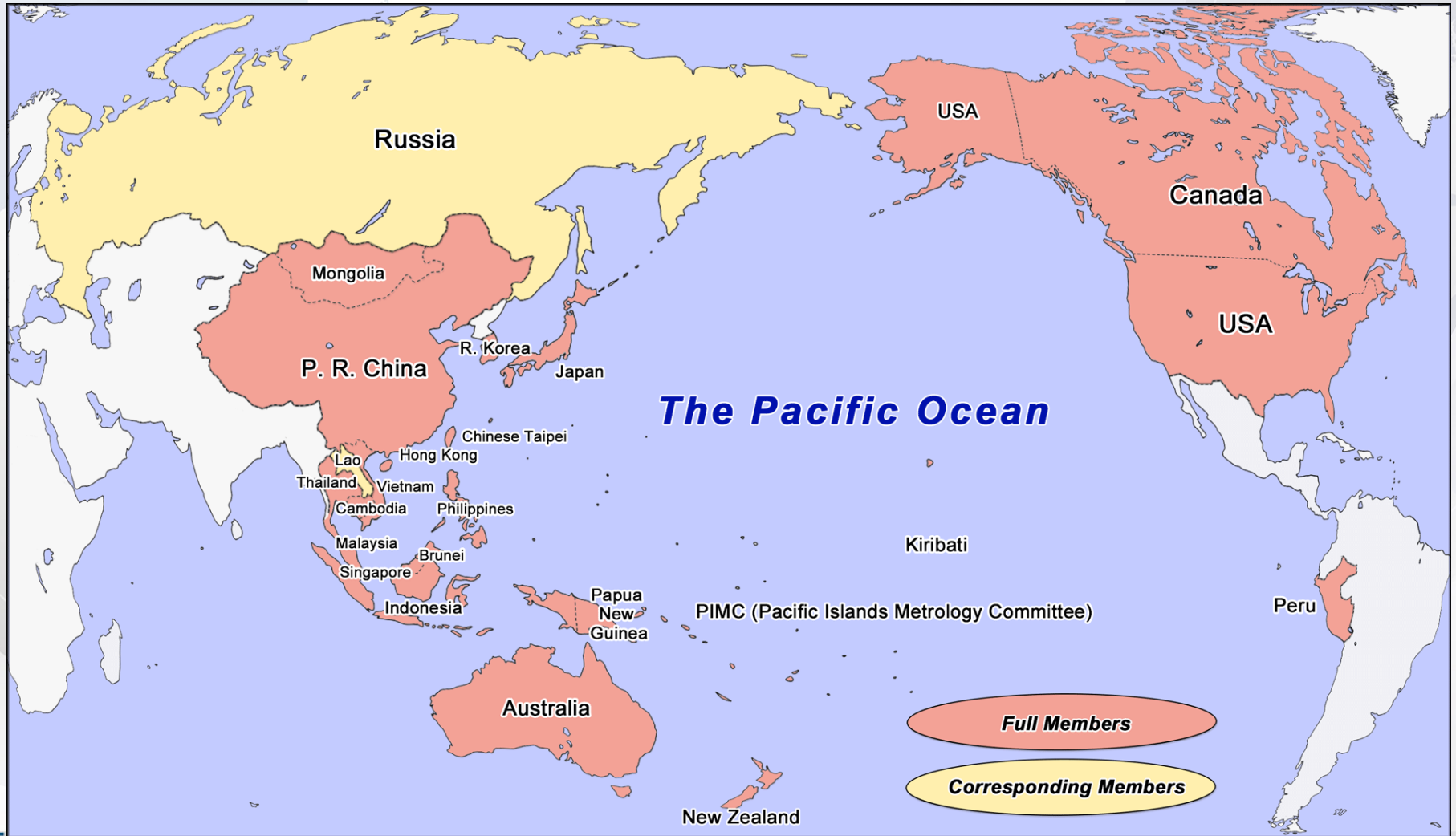
1. Introduction



30th Forum Meeting in 2023

- ✓ APLMF is a group of legal metrology authorities in close cooperation with the **APEC**.
- ✓ The **23 member economies** are located mostly on the Pacific Rim.
- ✓ Established in **1994** in Australia. The president & secretariat were transferred to Japan (2002), PR China (2007), New Zealand (2015), and Malaysia (2021).
- ✓ Aims to reduce **TBT (Technical Barriers to Trade)**, exchange **information**, provide **training programs**, and cooperate with other international/regional organizations.
- ✓ Technical activities and training are conducted by the **eight WGs** responsible for specific fields in metrology.
- ✓ **Forum Meetings** were held online from 2020 to 2022 due to the pandemic.
- ✓ In November 2023, the **30th Meeting** was held in Bohol, the Philippines, where 60 delegates attended.

APLMF Member Economies



2. Structure of APLMF



- President: Dr Faridah HUSSAIN (NMIM, Malaysia)
- Training Coordinator: Dr Tsuyoshi MATSUMOTO (Japan)
- Secretariat: Ms Nik Maruzuriani (photo), Ms Khairun Niza, Mr Zainal Mustapa, and Mr Mohd Amin (NMIM)



Executive Committee (EC)



1. President
2. Past President: Mr Stephen O'BRIEN (NZ / [top photo](#))
3. Training Coordinator
4. Secretariat
5. Mr Bill LOIZIDES (Australia / [middle photo](#))
6. Ms ZHU Meina (P.R. China / [photo](#))
7. Dr Rifan ARDIANTO (Indonesia / ASEAN)

Full Members (21): Australia, Brunei, Cambodia, Canada, P.R. China, Hong Kong China, Chinese Taipei, Indonesia, Japan, Kiribati, Rep. Korea, Malaysia, Mongolia, New Zealand, Papua New Guinea, Peru, Philippines, Singapore, Thailand, the USA, and Viet Nam

Corresponding Members (2): Lao PDR and Russia

Observer: PIMC ([Pacific Islands Metrology Committee](#))

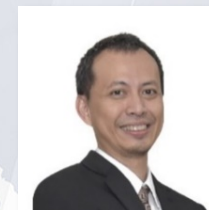
Working Groups (WGs)

1. WG-GPM (Indonesia)
2. WG-UM (P.R. China)
3. WG-QMAP (Malaysia)
4. WG-CS (P.R. China)
5. WG-MCS (P.R. China) / SWG-DM
6. WG-WI (Malaysia)
7. WG-MM (P.R. China)
8. WG-MF (Australia)

3a. APLMF Working Groups (WGs)

1. WG on Goods Packed by Measure (WG-GPM) / Dr Rifan ARDIANTO, Indonesia

WG covers prepackages for consumer protection. WG liaises with OIML TC 6 and promotes raising awareness programs.



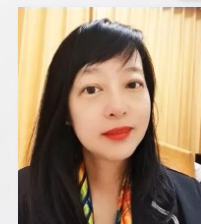
2. WG on Utility Meters (WG-UM) / Mr WANG Lei, P.R. China

WG covers utility meters for electricity, water, and gas. WG delivered a webinar on EVSE ([Electric Vehicle Service Equipment](#)) in September.



3. WG on OIML Certificate Systems (WG-CS) / Ms ZHENG Huaxin, P.R. China

WG liaises with OIML-CS for type evaluation. It provides videos to promote participation in the OIML-CS.



4. WG on Quality Measurement of Agricultural Products (WG-QMAP)
/ Ms Haslina bte ABDUL KADIR, Malaysia

WG provided a guide document on rice moisture measurement and is developing an e-Learning module. It plans a training course in 2024-2025.



3b. APLMF Working Groups (WGs)

5. WG on Medical Measurements (WG-MM) / Dr DING Xiang, P.R. China

A new WG re-established in 2022. WG delivered a training course in Thailand in July. It liaises with APMP and TC 18 of OIML.

6. WG on Metrological Control Systems (WG-MCS) / Mr GUO Su, P.R. China

WG covers metrology control systems and liaises with OIML.

Sub-Working Group on Digitalization in Metrology (SWG-DM)

/ Dr Muhammad Azwan Bin IBRAHIM, Malaysia

A new SWG liaises with OIML DTG (Digitalization Task Group) and covers the software-controlled measuring instruments.

7. WG on Weighing Instruments (WG-WI) / Ms Suliana GHAZALLI, Malaysia

WG covers NAWIs (Non-automatic Weighing Instruments), AWIs (Automatic Weighing Instruments), and multi-dimensional measuring instruments. It provides an e-Learning module on NAWI.

8. WG on Measurement of Fuels (WG-MF) / Dr Greg HARRINGTON, Australia

New WG covers the quantity of fuel. It provides an e-Learning module for fuel dispensers and plans a training course in 2025.



4. APLMF Training Activities

Overview:

- ✓ **Core activity** for strengthening the social infrastructures in legal metrology.
- ✓ Started in 1997 and over 1,500 trainees participated in 75 events.
- ✓ Trainers and materials are provided by a WG and the member economies.
- ✓ Until 2012, an **APEC** fund was utilized. In 2014, APLMF and APMP participated in the **MEDEA** ([Metrology: Enabling Developing Economies in Asia](#)) project of PTB, Germany.



Current situation:

- ✓ After the pandemic, training has shifted to an **online scheme**.
- ✓ The members use two **e-Learning** modules on **NAWIs** and **fuel dispensers**.
- ✓ There are regional **concerns** on DX in metrology, software, e-Learning, AWIs, CTT ([conformity to type](#)), and participation in the OIML-CS. A new **survey** on prepackages of frozen foods is in progress.
- ✓ Small WG on **Digitalization** in Metrology was set up in 2023.
- ✓ Difficulty in maintaining skilled **experts** → A challenge to training
- ✓ Alternative **funding** is sought after the MEDEA project ([2025~](#)).



Metrology Forum
September 2024

APLMF training courses in 2019-2025 (tentative)

Topics	Date (d/m/y)	Place	Organizers and trainers
Training Course on Water Meters – OIML R 49	15-18/10/2019	Malaysia	Malaysia (NMIM)
Training Course on Calibration and Testing of Non-Invasive Sphygmomanometers	11-15/11/2019	Malaysia	Germany (PTB), Malaysia and Chinese Taipei
Training Course on electricity meters and EVSE	18-21/1/2021	(Online)	P.R. China and R. Korea
Training Course on Bulk Flow-metering Systems	22-25/2/2021	(Online)	Australia and Malaysia
Foundation Course on Pre-packaged Goods	4 days/3/2021	(Online)	Indonesia and New Zealand
Webinar with APMP on Metrology for Health	16/11/2023	(Online)	China, R. Korea, Brazil and Japan
Training Course on Sphygmomanometers	9-11/7/2024	Thailand	P.R. China, R. Korea, Thailand, Japan, and Germany
Training course on EVSEs	12-13/9/2024	(Online)	P.R. China and Australia
Training course on pre-packaged Goods	2024-2025	(Online)	Indonesia, Singapore...
Training course on rice moisture measurement	2024-2025	Indonesia	Malaysia, Indonesia and Japan
Training course on fuel dispensers	2025	Thailand	Australia and Thailand
Workshop on the software for trade measurements	2025	TBC	Malaysia....
Seminar on national metrology systems (OIML D 1)	2025	P.R. China	APLMF and OIML members
Seminar on OIML-CS	2025	P.R. China	APLMF and OIML members

5. Liaisons and Updates

Liaisons:

- ✓ **OIML** through BIML, TCs/SCs, RLMO RT, CEEMS AG, OIML-CS, and DTG
- ✓ **APEC** (Asia-Pacific Economic Co-operation) through the SCSC (Sub-Committee on Standards and Conformance) and SRBs (Specialist Regional Bodies) forum
- ✓ **ASEAN** (Association of South-East Asian Nations) through the WG3 on legal metrology
- ✓ **APMP** (Asia Pacific Metrology Programme) through MEDEA Project

Recent updates:

- ✓ In June, a new President, Dr Faridah Hussain, was appointed by NMIM, Malaysia.
- ✓ The 31st **Forum Meeting** will be held in Chinese Taipei on **6-8 November**.
- ✓ **Fiji** and **Samoa** are in the process of participation in APLMF.
- ✓ In August, an **article** introducing APLMF, “*Legal metrology systems in the Asia-Pacific region*”, has been published in the OIML Bulletin.
- ✓ Cooperation with OIML regarding **e-Learning** (to be reported separately).



Thank you for your attention.

Tsuyoshi Matsumoto: Training@aplmf.org

