



Asia-Pacific Legal Metrology Forum
23rd Meeting – November 2016
Tokyo, Japan



Utility Meters Working Group

Meeting Agenda

- Update on 2016 APLMF activities.
- Update and discussion on OIML activities related to utility meters.
- Action plan for 2017.



2016 APLMF Activities



Training on Utility Meters

2016 APLMF Activities

No training delivered on utility meters in 2016.



2016 OIML Activities



Utility Meters

2016 OIML Activities

Electricity Meters

TC 12 - R46

APLMF members:

- Australia (P)*
- Canada (P)
- PR China (P)
- Indonesia (P)
- Japan (P)
- Rep. of Korea (P)
- USA (P)

* secretariat/convener

- R46 latest revision was issued in 2012.
- TC 12 convened a meeting in May 2016.
- Issues of significance requiring modification of R46 pertain to:
 - Addressing new technologies and market applications
 - Interpretation of harmonic content requirements
 - Making R46 more adaptable (modular), and more widely applicable.
- Secretariat submitted project proposal to be considered by CIML at October 2016 conference.

2016 OIML Activities

Water Meters

TC8/SC5 -R49

APLMF members:

- Australia (P)
- Canada (P)
- PR China (P)
- Indonesia (O)
- Japan (P)
- Rep. of Korea (P)
- USA (P)

- No activity in 2015.
- R49 latest revision was issued in 2013.
- OIML model requirements are now up-to-date for water meters and are harmonized with ISO.

2016 OIML Activities

Natural Gas Meters

TC8/SC7

APLMF members:

- Australia (P)
- Canada (P)
- PR China (P)
- Japan (P)
- Rep. of Korea (P)
- USA (P)

- **R137 Gas Meters**
 - R137-1&2 Edition 2012 published
 - R137-1&2 Edition 2012 amendment for software tests issued in 2014 published
 - R137-3 Edition 2014 published
 - **Project completed**
- **R139 Compressed gaseous fuel measuring systems for vehicles**
 - R139-1 and R139-2 Edition 2014 published
 - R139-3 Edition 2015 published
 - **Project completed**
- **R140 Measuring systems for gaseous fuels**
 - New project for revision approved by CIML in 2014
 - request for participation sent by BIML to the CIML members
 - minimum required number of participants (6) has been reached
 - first review by the convenor has started

2016 OIML Activities

Application of Statistical Methods

TC3/SC4

APLMF members:

- Australia (P)
- Canada (O)
- PR China (P)
- Indonesia (O)
- Japan (P)
- USA (P)

- Surveillance of utility meters in service on the basis of sampling inspections
 - 1CD issued in April 2004
 - 2CD issued in Feb. 2006
 - Meeting in November 2006
 - 3CD issued in July 2010
 - Information Session held at 2011 CIML meeting
 - Survey sent in July 2013 to obtain information from members and re-start the project.
 - **4CD issued in June 2014 for TC Vote**

Proposed Action Plan for 2016

- Develop and organize training as per the agreed APLMF training plan
- Follow OIML work related to utility meters and inform APLMF members