

Asia-Pacific Legal Metrology Forum
20th Meeting – November 2013
Yogyakarta, Indonesia

Utility Meters Working Group

Meeting Agenda

- Update on 2013 APLMF activities.
- Update and discussion on OIML activities related to utility meters.
- Action plan for 2014.



2013 APLMF Activities



Training on Utility Meters

2013 APLMF Activities

**Training Course on Smart Electricity Meter
17-20 June, 2013
Bandung, Indonesia**



2013 OIML Activities



Utility Meters

2013 OIML Activities

Electricity Meters

TC 12 - R46

- CD1 was issued in June 2004
- Meeting was held in Nov. 2005
- CD3 was issued in March 2006
- Comments on CD3 made in June 2006
- No meetings in 2007 and 2008
- Secretariat transferred to Australia in 2008
- CD4 was issued in early 2009
- Meeting held in June 2009 in Slovenia
- CD5 was issued in August 2010
- CD6 was issued in August 2011
- R46 Parts 1 and 2 approved at CIML meeting in Bucharest in October 2012
- **R 46-3 Part 3 Test Report Format : approved at 2013 CIML meeting in Ho Chi Minh, Vietnam (October).**

APLMF members:

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

* secretariat/convener

OIML TC12

- **R46 has now been adopted.**
- OIML model requirements are now up-to-date for electricity meters

2013 OIML Activities

Water Meters

TC8/SC5 -R49

- Meeting: February 2008, in Zurich, Switzerland

- Created JWG to develop harmonized water meter standards:

- OIML R 49-1,
- ISO 4064 and
- EN 14154

- Meeting in June 2008, in London, UK

- Issued 1CD in December 2009

- Issued 2CD in May 2011

- Meeting in November 2011 in Washington

- Issued 3CD in April 2012

- **R49 (parts 1, 2, and 3) approved at 2013 CIML meeting in Ho Chi Minh, Vietnam (October).**

APLMF members:

- Australia (P)

- Canada (P)

- PR China (P)

- Indonesia (O)

- Japan (P)

- Rep. of Korea (P)

- Russia (P)

- USA (P)

2013 OIML Activities

Work on Natural Gas Meters

TC8/SC7

■ R-137 Gas Meters

APLMF members:

- Australia (P)
- Canada (P)
- PR China (P)
- Japan (P)
- Russia (P)
- USA (P)

- DR approved at the 2007 CIML meeting
- 1CD Issued in October 2009
- Meeting in June 2010 in the Netherlands
- 2CD Issued in September 2010
- R-137 approved in May 2012
- R-137-3 (Test Methods) 2CD issued in December 2012
- New revision of R-137-1 started to address required software evaluation methods
 - 1CD Issued in September 2013

■ R-139 Compressed gaseous fuel measuring systems for vehicles

- Meeting in June 2010 in the Netherlands
- 1CD issued in April 2012
- 2CD Issued in December 2012

2013 OIML Activities

Application of Statistical Methods

TC3/SC4

- 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

- No activity in 2012

- **Survey sent in July 2013 to obtain information from members and re-start the project.**

APLMF members:

- Australia (P)

- Canada (O)

- PR China (P)

- Indonesia (O)

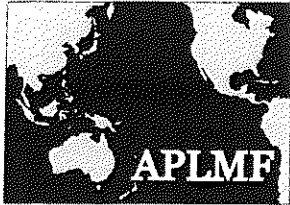
- Japan (P)

- Russia (P)

- USA (P)

Proposed Action Plan for 2014

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



ASIA-PACIFIC LEGAL METROLOGY FORUM

Utility Meters Working Group

Proposed Work Program for 2014

The following action plan has been proposed to APLMF members for the year 2014:

- Training delivery in accordance with outcome of the 2013 APLMF meeting.
- Follow and/or participate in OIML TC (Technical Committee) work related to utility meters and keep APLMF members informed of progress and issues.

