



**27<sup>th</sup> ASIA-PACIFIC LEGAL  
METROLOGY FORUM  
ONLINE MEETINGS  
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## Economy Report - 2020

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### *Indonesia*

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## **SECTION 1 – Organisation and structure for metrology**

### **Organisation Structures**

Directorate of Metrology is a government institution which has responsibility in legal metrology activities in Indonesia. Its structure is under the Directorate General of Consumer Protection and Trade Compliance, Ministry of Trade of the Republic of Indonesia. The main roles of Directorate of Metrology are in preparing guidelines, norms, standards, procedures and in the field of legal metrology.

In conducting legal metrological services such as verification and in-service inspection, Directorate of Metrology is supported by local verification offices at regency/city level which is under local government.

### **Legislative Frameworks**

The activity of legal metrology in Indonesia is based on, as following:

- Act 2/1981 on Legal Metrology
- Act 23/2014 on Local Government
- Technical regulations under Ministerial Decree, as following:
  - Minister of Trade Decree No. 31/2011 on pre-packaged products;
  - Minister of Trade Decree No. 69/2014 on Metrological Resource Management;
  - Minister of Trade Decree No. 53/2016 on Permit for producing domestic measuring instruments;

- Minister of Trade Decree No. 26/2017 on Metrological Supervision;
- Minister of Trade Decree No. 74/2012 on Imported Measuring Instruments as amended by Minister of Trade Decree No. 23/2018 on Imported Measuring Instrument;
- Minister of Trade Decree No. 67/2018 on Measuring instruments subject to mandatory of re/verification;
- Minister of Trade Decree No. 68/2018 on Initial Verification and Subsequent verification;
- Minister of Trade Decree No. 115/2018 on Legal Metrology Local Offices;
- Minister of Trade Decree No. 52/2019 on Standard Unit of Legal Metrology.

### **International arrangements and engagement**

Indonesia through Directorate of Metrology is a member of Regional and International Organizations/Fora, as following:

- Member state of Organization Internationale de Metrologie Legale (OIML)
- Full member of Asia Pacific Legal Metrology Forum (APLMF).
- Member of Working Group 3 on Legal Metrology of ASEAN Consultative Committee for Standard and Quality.

Indonesia also engages with bilateral cooperation in the field of Metrology, as following:

- Timor Leste under South-South Cooperation and Triangulation
- Memorandum of Understanding between The Directorate General of Consumer Protection and Trade Compliance, Ministry of Trade, The Republic of Indonesia and The Czech Metrology Institute, The Czech Republic for Cooperation in Metrology.
- Memorandum of Understanding between Indonesia Economic and Trade Office (IETO) and Taipei Economic and Trade Office (TETO).

## SECTION 2 – Key activities of 2019/20

### Legal Metrology activities at regency/city region

Since 2014, regarding to Act No. 23/2014 on Local Government, legal metrology activities are done by local government at regency/city level. The changing legal metrological structure has impacted to the establishment of local verification offices (LVO) at regency/city, which has a total 508 regencies/cities. Currently, there are 334 local governments who has established local verification office and has performed verification activities.

### Working with industry

Directorate of Metrology is actively working with industry in order to develop metrological network and also system such that metrological activities done by Directorate of Metrology provide benefit for industrial. The priority areas of industry are such as agriculture, food and beverage, water meter, energy, education and also halal industry

### Protecting consumers

#### Metrological Inspections

During Covid 19 periods, Directorate of Metrology is still rapidly conducting inspection for measuring instruments and prepackaged products. In the third Quarter 2020 Directorate of Metrology has doing inspection to 2.769 measuring instruments in 26 regencies/cities and 3.287 sampel of prepackaged products in 18 regencies/cities.

#### Legal Metrology Education Activities during The Covid 19 Pandemic

Covid 19 Pandemic has enforced the concept of Work From Home (WFH). The WFH concept is new to majority of the employees, as the Covid 19 has forced almost all or some employees in all the sectors to work from home for the first time. This condition has limited various activities, especially the legal metrology promotion. In an effort on public educating about legal metrology during Covid 19 condition, Directorate of Metrology holds Legal Metrology webinar series activities. The Legal Metrology Webinar series was held with various subjects and its succeeded attracting 6.801 participants from legal metrology institution and 1.100 participants from the public.

These activities also presents The keynote speakers from Heads of regions/cities to be able to share the implementation of legal metrology activities and innovations about legal metrology that have been carried out in their regions.

#### Survey of Consumer Understanding of Legal Metrology

Directorate of Metrology conducted the survey of consumers understanding in field of legal metrology via online to measure the level of understanding and to monitor the impact of metrological branding across regions. This survey shows that the Consumer Understanding index at national level is, in average, 67.48, meaning that Indonesia's consumers is at **good** level in understanding legal metrology.

## SECTION 3 – Future focus

### New initiatives planned (next 1-2 years)

#### De-Regulation

The government of Indonesia will do changes to some regulations relating to legal metrology. Suggested to harmonize the regulations in Indonesia with international recommendations. Need to align with existing regulations such as Act No. 23/2014 on Local Government. Some of these regulations also consider to be revised such as relation with human resource requirement, training for verification officer and inspectors, information technology, and others.

#### Legal Metrology Branding

Traditionally, legal metrology authorities' performance measures have been based on upon the ability to provide an efficient response to ensure the fair trade in measurement. A result, the focus of the activities has been on the verification and surveillance of measuring instruments. In effect, the regular verification and surveillance of measuring instruments has provided both the need and justification for maintaining and increasing personnel and equipment to support effectively when legal metrological control is performed. This approach gives disadvantages not only in taking a long timespan but also high cost. Therefore, there is a need to have an alternative approach to increase the performance in providing consumer protection.

Increasing the public awareness of legal metrology can be a solution. In fact, very little attention and few resources have been allocated to dealing with the causes of law breaking or addressing community awareness. Therefore, in the next 1-2 years, Directorate of Metrology is planning to promote legal metrology to public, as following:

- Consumer Education to primary students.
- Metrology Park.
- Metrology Outdoor Event.
- International Conference and Metrology Expo.

#### Implementation to OIML Certification System

To support the local manufacturer, Directorate of Metrology will implement the OIML Certification System on following categories:

- OIML R137 – Gas Meter
- OIML R76 – Non-Automatic Weighing Instruments
- OIML R49 – Water Meter

Therefore, the training course conducted by APLMF in the field of type evaluation and approval is necessarily needed to underpin in improvement the ability of human resources.

### Emerging issues – challenges and opportunities

In The next 2 years, based on the Directorate Metrology's Strategic Plan 2020-2024, the role of Indonesia's membership in OIML will be even more vital, Considering that Indonesia cq Directorate of Metrology will follow the OIML Certification System scheme as an Issuing Authority. It means the certification of calibration and verification from Directorate Metrology can be accepted by OIML members countries. Thus, Indonesia will be the first ASEAN country to become the issuing authority for the OIML Certification System scheme. The Benefit is that Indonesia can compete with Australia, Japan and Korea in seizing the Type Approval for Measuring Instruments that ASEAN countries needed.