



ASIA – PACIFIC LEGAL METROLOGY FORUM

2014 The Latest Development in Chinese Taipei

I. Weights and Measures Legislation

Chinese Taipei keeps improving its legislation infrastructure on metrology. During the passed year several metrology-related regulations, technical specifications and standards have been amended and enacted. Furthermore, the Weights and Measures Act has been being reviewed. All these efforts were aiming to ensure that the legal metrology structure in Chinese Taipei meet the needs of all sectors domestically and to harmonize with the international trends.

The main amend of legislation as bellow:

1.Regulations Governing Verification and Inspection of Measuring Instrument

Diaphragm Gas Meters with maximum flow-rate larger than 100 m³/h as well as Hand Held Hanging Luggage Scale with maximum capacity not more than 50 kg, mercury-in-glass thermometers and combination water meters have been ruled out from verification required while the corn moisture meters is subject to verification.

2.Regulations Governing Disputed Expertise of Measuring Instruments

In the case of any dispute arising between the parties to a trade transaction about the accuracy of utility meters, an application for expertise may be filed to BSMI, according to the Weights and Measures Act. However, public doubt the adequacy that the utilities take the concerned instruments to the laboratory where the expertise be conducted. Therefore, BSMI is to summon a hearing to settle the argument.

3.Regulations Governing Type Approval of Measuring Instruments

BSMI ruled out Hand Held Digital Portable Travel Luggage Scale from type approval required, due to most of which not being used for trade.

4.Regulations Governing Self-verification Conducted by Measuring Instrument Enterprises

The new edition of Regulations Governing Self-verification Conducted by Measuring Instrument Enterprises authorizes measuring instrument enterprises implement re-verification. Meanwhile, the new regulations authorizes BSMI to recognize the test report of type evaluation issued by laboratories designated by New Zealand's competent authorities, according to the Agreement between New Zealand and the Separate Customs Territory of Taiwan, Penghu,

Kinmen, and Matsu on Economic Cooperation (ANZTEC), a agreement between Chinese and New Zealand.

5.The Categories and Scope of Self-Verification Conducted by Measuring Instruments Enterprises

BSMI has extended the categories and scope of measuring instruments to electronic non-automatic weighing instruments that are not subject to type approval, as well as mechanic non-automatic weighing instruments with dial indicator. However, fixed weighbridge and portable weighbridge are still excluded form the categories of self-verification.

6.Technical Specification for Verification and Inspection of Diaphragm Gas Meters

Diaphragm gas meters with maximum flow-rate larger than $16 \text{ m}^3/\text{h}$ that are not subject to type approval have been ruled out from the testing at flow-rate $3Q_{\min}$ when be conducted verification. On the other hand, Diaphragm gas meters with maximum flow-rate not larger than $16 \text{ m}^3/\text{h}$ that type approval is required have to be conducted the test at flow-rate $3Q_{\min}$ by sampling, as current requirement.

7.Technical Specification for Verification and Inspection of Weighing Instruments

Weighing instruments with pricing count function will not be attached a verification mark after passing verification and the verification validity of automatic gravimetric filling weighing instruments and discontinuous totalizing automatic weighing instruments will be 1 year, according to the new edition Technical Specification for Verification and Inspection of weighing instruments.

8.Technical Specification for Verification and Inspection of Vehicle Exhaust Emissions Analyzers

This previous edition was issued in July 2003 and wasn't being reviewed for a decade. The new one is based on OIML R99: 2008.

8.Technical Specification for Verification and Inspection of Corn Moisture Meters.

Due to the request from the Council of Agriculture, the corn moisture meters will be subjected to verification in the future.

II. Legal metrology Affairs

Six examinations for metrological technical personnel were held in 2014, two for Class B metrological technical personnel and four for Class A metrological technical personnel. The examination has been held since 2010. Up to now, there have been 2195 examinees passing the examinations. According to regulations, Technicians of Measuring Instrument Enterprises

authorized to do self-verification and laboratories contracted to do verification have to pass the examination.

III. Other Activities

1. An e-learning website (<http://metrology.bsmi.gov.tw/>), set up by THE BSMI to provide relating metrological knowledge, was updated for adding lifelong learning sections and new interface in 2014.
2. The BSMI cooperated closely with museums and schools domestically holding 37 activities in 2014 to dissemination the basic concept of metrology and the importance of metrology to students
3. Six sessions of training were scheduled to hold in 2014. These training programs, focusing on the metrology and verification skills, compulsory execution and administrative enforcement of metrology management, had been completed.
3. Volunteer Self-management measures on gas stations and traditional markets.

To ensure the accuracy of weighing instruments used at traditional markets and dispensers installed at gas stations, the BSMI encourages gas station and traditional markets, based on volunteer, to adopt necessary procedures periodically, such as testing the dispensers or weighing instruments regularly by calibrated standards with traceability, keeping the error of instruments less than MPEs, holding all maintenance record. By implementing those procedures, dispensers and weighing instruments would be stayed at good condition and precise. Meanwhile, the BSMI will overview those gas stations and traditional markets and issue a remark if they meet some certain requirements. Up to date, there are 880 gas stations and 60 traditional markets having received the mark.

4. World Metrology Day activities

Corresponding to the theme of 2014 World Metrology day, Measurements and the global energy challenge, Chinese Taipei held a series of seminars, workshops and training courses, working with relative associates, to address the necessity and on the importance of measurement on energy. These activities lasted for month long, started from April 29 to June 20.

IV. Future Plan

Ministry of Transportation and Communication (MOTC) is working on new model of taximeter. However, BSMI implements the type approval and verification on taximeters. In order to remove the duplicate legal measures on taximeters by two authorities, the BSMI is elaborating with MOTC closely. Therefore, the Technical Specification for Verification and Inspection of Taximeters, the Technical Specification for Type Approval of Taximeters and Corn Moisture Meters and the Directions Governing Type Approval of Taximeters are under being reviewed. Furthermore, the taxi fare is to be adjusted in the coming spring, is drafting a procedure regarding the re-verification after the taximeters being adjusted. The procedure will speed up the re-verification process.