



ASIA-PACIFIC LEGAL METROLOGY FORUM

2013 The Current Development in Chinese Taipei

I. Weights and Measures Legislation

Several metrology-related regulations, technical specifications and standards have been amended and enacted since last forum meeting. These revisions were made to ensure that the legal metrology structure in Chinese Taipei fits the needs of all sectors and to harmonize with the international trends.

The key points of legislation are as follows:

1.Regulations Governing Management of Metrological Technical Personnel

It has been revised three times since the regulation was promulgated and enacted on Spt. 3, 2003. The latest revision was made on Apr. 25, 2013, and was enacted on the same day. The revision ensured that the metrological technical personnel structure of Chinese Taipei met the social developing, industry requirements and, harmonizes with the international trends.

2.Regulations Governing Commissioned Metrological Activities

Due to the number of weighing instruments needing to be verified is more than the capacity of BSMI's laboratory. BSMI has to seek for outsource to meet the needs. Therefore, BSMI revised the regulations and allowed more non-profit organizations and institutes to involve the commissioned verification on weighing instruments.

3.Procedures for Commission and Supervision and Audit of Metrological Activities and Directions Governing Commission and Supervision and Audit of Metrological Activities

There are two new applicants having applied for being commissioned to do implement verification since 2011. Meanwhile, due to the shortage of budget and human resources, BSMI needs more third parties involve in verification business to meet the needs of verification. More and more potential third parties are likely submitting their applications to BSMI in the future as BSMI revised the Regulations Governing Commissioned Metrological Activities. Therefore, BSMI drafted and proclaimed the guidelines and procedure to handle the new applications. Both will be entered force on proclaimed.

4.Regulations Governing Type Approval of Measuring Instruments

Due to no more combination waters having been needed in Taiwan for more than 10 years while there are also no vortex water meters with diameter less than 50mm needed, BSMI decided to

exclusive both types of water meters from type approval required on proclaimed. Moreover, non-price-computing weighing instruments with a maximum capacity of not more than 3kg are exclusive from type approval required on proclaimed, in viewing of reducing the controlling on weighing instruments not being used for trade.

5. Technical Specification for Verification and Inspection of Taximeters

It hasn't been revised since promulgated in 2010. The revision focused on the definition of error and sets the formula of the calculation of error while the validity of verification has been prolonged from one to two years. The revision entered into force on July 1, 2013.

6. Technical Specification for Verification and Inspection of Electricity Meters

Since more and more type of electricity meters have emerged, BSMI listed the types of electricity meters subject to verification clearly, in order to minimize the deputy between the staff of BSMI and users. The revision entered into force on July 1, 2013.

7. Regulations governing verification and inspection for measuring instruments of Measuring Instruments

It has been revised ten times since the regulation was promulgated and enacted on August 28, 1987. The latest revision was made on October 31, 2012, and was enacted on the same day. The current regulation of weighing instrument marked "Not for Transaction Use", certification or official inspection that may be exempted from verification will no longer be applicable after 1 January 2014.

II. Legal metrology Affairs

1. Examinations for metrological technical personnel were held in May and June 2013. The examination has been held since 2010. Up to now, there have been 2089 examinees passing the examinations.

2. Self-verification Affairs

One laboratory was cancelled the authorization of self-verification due to violating the *Regulations Governing Self-verification Conducted by Measuring Instrument Enterprises*. Enterprises that are authorized to do verification on their own products are allowed to do verification on only the products granted type approval. The fore-mentioned laboratory had done verification on products that having not been granted type approval. The penalty will last for three years.

III. Other Activities

1. An e-learning website (<http://metrology.bsmi.gov.tw/>), set up by BSMI to provide relating metrological knowledge, was updated in Sep. 2013 for adding lifelong learning sections and new

interface.

2. Five sessions of training were scheduled to hold in 2013. 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, 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, BSMI will overview those gas stations and traditional markets and issue a remark if they meet some certain requirements. Up to date, there are 711 gas stations and 53 traditional markets having received the remark.

4. World Metrology Day activities

To celebrate the 2013 World Metrology Day, Chinese Taipei organized a series of activities on the importance of metrology to human health and environmental safety during May 11-23. Among them, there was a main seminar on May 20 on International Metrology Development Trend Seminar, including three sessions: "Metrology in Daily Life - Its Contribution to Economic Growth and Prosperity", "The Maintenance and Daily Application of Standard Time", and "Ionizing Radiation and Related Measurement Standards in Daily Life", respectively. Moreover, there was also a forum, "Metrology Day Forum" to be held on May 20. Besides, another eight more technical seminars on various fields were given in May 11-23.

IV. Future Plan

Prepackaged products with liquid contents will be subjected to legal metrology control in the near future. Meanwhile, the corn moisture meters will be subjected to verification in the future, due to the request from the Council of Agriculture.

