

Notification of the Central Bureau of Weights and Measures

Regarding Prescription on Checklist for Testing Prototype of Length Measurer¹

Whereas the Minister of Commerce, upon the recommendation of the Committee on Weights and Measures, already issued the Notification of the Ministry of Commerce regarding Rules, Procedures and Conditions Relating to Submission of Prototype and Approval for Prototype of Measuring Instrument by Competent Official, dated 11th July B.E. 2566 (2023), prescribing that the Central Bureau of Weights and Measures shall prescribe a checklist for testing a prototype of a measuring instrument in order that a test unit is capable of testing the prototype pursuant to the prescribed checklist.

By virtue of the definition of the word “checklist” as provided in Article 2 of the Notification of the Ministry of Commerce regarding Rules, Procedures and Conditions Relating to Submission of Prototype and Approval for Prototype of Measuring Instrument by Competent Official, dated 11th July B.E. 2566 (2023), the Director-General of the Department of Internal Trade, therefore issues this Notification, as follows.

Article 1 This Notification shall come into force as from the date of its publication onwards.

Article 2 In this Notification,

“Prototype of Length Measurer” (type or pattern) means the pattern or drawing of the length measurer which an applicant wishes to manufacture or import.

Article 3 As for testing the prototype of the length measurer, the test unit is required to carry out the test pursuant to the checklist and the following rules and procedures in order that the prototype of the length measurer shall be accurate, precise and in compliance with the Notification of the Ministry of Commerce regarding the prescription on the type and characteristic of length measurers, the detail of materials used for manufacture, maximum permissible error, a prohibition on subsequent verification and a term of verification, including the stipulation of other relevant notifications and regulations.

¹ Published in the Government Gazette, Volume 141, Special Part 258 d, Page 10, dated 17th September B.E. 2568 (2025).

(1) The inspection of the characteristics of the prototype of the length measurer is that of general characteristics prior to the technical test under (2) by conducting the test pursuant to the following rules and procedures.

(a) Visual Inspection. It is the inspection of the external characteristics of the prototype of the length measurer that shall be produced from good materials. In addition, it shall be designed and produced in a manner that when it is used as usual, it can always operate accurately. The components of the prototype of the length measurer can operate continuously without defect, bend or deformation, which affects the accuracy of the prototype of the length measurer. The detail and indication of various values on the prototype of the length measurer shall be provided in a legible, clear and indelible manner. In this regard, the visual inspection shall be conducted pursuant to the checklist as provided in Table 1 as attached to this Notification.

(b) The inspection of the width of scale mark is that of the width of the scale mark of the prototype of the length measurer according to the specified position. In this regard, the inspection of the width of the scale mark of the prototype of the length measurer shall be conducted pursuant to the checklist as provided in Table 2 as attached to this Notification.

(c) The inspection of the width of scale interval is that of the width of the scale interval of the prototype of the length measurer according to the specified position. In this regard, the inspection of the width of the scale interval of the prototype of the length measurer shall be conducted pursuant to the checklist as provided in Table 3 as attached to this Notification.

(d) The inspection of the width of two adjacent scale intervals is that of the width of two adjacent scale intervals of the prototype of the length measurer according to the specified position. In this regard, the inspection of the width of two adjacent scale intervals of the prototype of the length measurer shall be conducted pursuant to the checklist as provided in Table 4 as attached to this Notification.

(2) Technical Test. It is the test on the accuracy and precision of the prototype of the length measurer, whereby the test shall be done according to the following rules and procedures:

(a) Accuracy Test. It is the test on the distance between two non-adjacent scale marks and between a zero scale mark and the highest scale mark, whereby the result of measuring the length value of the prototype of the length measurer shall be accurate and precise. In this regard, the accuracy test on the prototype of the length measurer shall be done pursuant to the checklist as provided in Table 5 as attached to this Notification.

(b) Tension Test. It is the test on the tension of the prototype of the length measurer in the type of a tape length measurer made of fiberglass, in the type of a metal tape length measurer and a chain and in the type of a metal tape length measurer combined with a sinker, whereby the test result shall be accurate and precise. In this regard, the tension test on

the prototype of the length measurer shall be done pursuant to the checklist as provided in Table 6 as attached to this Notification.

Article 4 When the test unit has already carried out the test of the prototype of the length measurer under Article 3, it is required to make a test report pursuant to Form ThorSor. 3021-6 as attached to this Notification. And the test unit shall send the report in writing to a competent official by a registered and replied mail or an electronic mail (E-mail : cbwmtype@gmail.com) within seven days as from the date of completion of the test in order that the competent official shall further consider the report for approving the prototype of the length measurer.

Given on the 16th Day of August B.E. 2567 (2024)

Wattanasak Sur-iam

Director-General of the Department of Internal Trade