Unofficial Translation*

Notification of the Central Bureau of Weights and Measures
Re: Installation and use of permanent fixed weighing device
with digital system of twenty metric ton capacity and over
B.E. 2556 (2013)

By which the Department of Internal Trade has issued the Notification of the Central Bureau of Weights and Measures Re: Installation and use of permanent fixed weighing device with digital system of twenty metric ton capacity and over dated 21 May B.E. 2553 (2010), and the Notification of the Central Bureau of Weights and Measures Re: Installation and use of permanent fixed weighing device with digital system of twenty metric ton capacity and over (No. 2) dated 18 June B.E. 2555 (2012);

Accordingly, to enhance businesspersons, owners or possessors of the permanent fixed weighing devices with digital system of twenty metric ton capacity and over to manage proper installation and use of the aforementioned weighing device, which enables standardized inspection and certification by the authorized officer without possible corruption while all concerned parties shall follow fair trading practices, this Notification is required.

By virtue of Section 6 (3) under the Weights and Measures Act B.E. 2542 (1999), which contains certain provisions in relation to restriction of the rights and liberty of a person, in respect to Section 29 whereby in conjunction with Section 32, Section 33, Section 41 and Section 43 of the Constitution of the Kingdom of Thailand so permitted by virtue of the law, therefore, the Director-General of the Department of Internal Trade hereby issues the Notification as follows:

Clause 1 This Notification shall come into force on the day following its published date in the Government Gazette.

Clause 2 The following shall be repealed:

(1) Notification of the Central Bureau of Weights and Measures Re: Installation and use of permanent fixed weighing devices with digital system of twenty metric ton capacity and over dated 21 May B.E. 2553 (2010).

(2) Notification of the Central Bureau of Weights and Measures Re: Installation and use of permanent fixed weighing devices with digital system of twenty metric ton capacity and over (No. 2) dated 18 June B.E. 2555 (2012).

Clause 3 In this Notification:

"Weighing device" means the permanent fixed weighing device with digital system of twenty metric ton capacity and over.

Clause 4 The load-measuring device and the remote display shall be affixed close to the device platform of not over 20-meter clearance, and the load-measuring device shall be set on the same level on the same floor of the weighing platform.

In case of the utmost obstruction against the required practice in paragraph one, the responsible party shall inform with explanation in writing to the authorized officer at the Central Bureau or Branch Bureau where the weighing device is installed and used. The informed officer shall carry out inspection without delay to consider whether altered installation and use has impacted the accuracy of the weighing or not. With the approval from the Director-General or the assigned competent officer, the authorized officer shall issue the required certification.

Clause 5 The weighing device base shall be of the same secure and strong structure, and the required weighing capacity with the flexible rate prescribed by laws.

Clause 6 The load-measuring device and the remote display shall have the following characteristics:

(1) Following details shall be attached on the device, clearly readable and not easily obliterated:

(a) the name or the brand of the manufacturer, importer or seller;

(b) the model with specified design;

(c) the serial number given by the authorized officer.

(2) The device's capacity shall be clearly visible and not easily obliterated for which abbreviation is allowed either in Thai or Arabic numerals and letters or in the symbol given by the Minister.

(3) The weighing result display shall have the following requirements:

(a) the result display either in numerals or letters with or without any symbol shall be not confusing;

(b) if there is more than one indication, all of them shall display exactly the same result;

(c) if there are both digital and analog indicators, the indicated results shall be compatible;

(d) the display printer (if any) shall give the correct display result;

(e) the name or symbol of the weighing unit shall be specified;

(f) the value indication system shall be of 1×10^k, 2×10^k or 5×10^k by K shall be of a full plus, minus or zero number;

(g) giving at least one (1) figure in the rightmost position with the decimal point (.) or the comma (,) between the full figure and the one after the decimal point with at least one figure on the left side of the decimal point and all figures of every decimal point, whereas there may be one (1) zero figure in the rightmost position without any mark;

(h) the value indicator shall be of the maximum capacity of not over nine (9) times of the verifying inspection standard value;

(i) the value printer shall give the clear and precise display in both letters and numerals of not less than two millimeters out from the balanced position, whereas the value indicator shall display the stable result or two loading values for an interchanging period of over five (5) seconds;

(j) the value recorder shall take only the value as specified in (i);

(k) if the gross weight, the net weight or the lost weight are all, or more than one, printed out together the specific indication shall be required;

(l) in the case that the weighing device has a lock component, both the locked and the weighing positions shall be clearly identified while weighing shall be allowed only at the weighing position;

(m) the weighing device shall be in a clearly visible position to enhance seeing the value display for all parties concerned;

(n) the weighing device with electronic components shall function as follows:

1) when facing any external disturbance, the electronic weighing device shall either properly function or indicate error caused by such disturbance;

2) when affected by any irregular condition, the weighing device shall automatically stop working or send a warning signal to the user until the specific irregularity ceases;

3) in the case that the weighing device is set up for use, the value indicator shall show all possible presented symbols;

4) a weighing device charged with battery energy shall continue to function properly or otherwise shall not display weighing value in case the battery voltage is lower than the one set by the manufacturer;

5) there shall be no disturbance against the value indicator, value recorder and value printer by electronic magnetic signal and radio frequency;

6) if the weighing device is connected to a computer system or has a connecting element through the ports, it shall not cause any incorrect weighing value or data and shall not be able to cause different value indication, printing, calculating or recording differently from being without the said connecting component, while labeling is required for the aforementioned instrument.

(4) All marks of controlling parts, value indicator and equipment including the switch shall be clearly readable and not easily obliterated.

(5) The weighing device shall have a value indicator that is readable by all concerned parties simultaneously; otherwise, there must be an additional value indicator to give the required figure that is simultaneously readable by all concerned parties.

Clause 7 Transmitting device connection that affects value indication shall be of the following regulated characteristics:

(1) Each load cell and load-transmitting device connected to the junction box and each connected to a load-measuring device shall not have any connecting element except that it is required for the safety of persons and property. It shall be of the international standard to facilitate inspection and as approved by the Director-General or the authorized person.

(2) Transmitting device connected between a circular cross-section and ports must be without other attached transmitting devices or equipment.

(3) Each connecting set of transmitting devices between circular cross-section and each port's equipment to transfer weighing results to computer system and remote display shall only be of:

(a) Results display device connected to computer system or to remote display; and

(b) Ground transmitting device.

(4) Transmitting device connected between load measuring and remote display parts shall facilitate required inspection and have no connecting elements and disjunction box.

(5) Changing of or adding instruments to the load-measuring device shall not be allowed.

Clause 8 A weighing device with computer connected to the load-measuring device shall have the following characteristics:

(1) Computer system transmitting device shall only connect with the load-measuring device.

(2) Computer system shall only serve as signal receptor from the load-measuring device.

(3) Computer software shall display results from load-measuring device with the weighing date, hour and location of that current situation only, whereas any correction of all displaying information shall not be allowed.

(4) A result printing (if any) shall at least identify details of:

(a) Gross load (of the truck and goods)
(b) Truck load
(c) Load deducted by contamination, humidity, etc. (if any)
(d) Goods load
(e) Signature of the weigher
(f) Date/hour and the weighing location

(5) At completion of weighing the weigher shall print out the results and shall submit the printed load-weighing display, immediately, to the weighing's concerned persons.

Clause 9 Each load cell connected to the junction box shall have characteristics required for usage of the load-transmitting device.

Clause 10 Each transmitting device connected to the junction box and the one connected to the load-measuring device shall have characteristics and qualifications to function against disturbance by electromagnetic signal and radio frequency, and being of not over 30-meter length.

In case of the utmost obstruction against the required practice in paragraph one, the responsible party shall inform with explanation in writing to the authorized officer at the Central Bureau or Branch Bureau where the weighing device is installed and used. The informed officer shall carry out inspection without delay to consider whether altered installation and use has impacted the accuracy of the weighing or not. With approval from the

Director-General or the assigned competent officer the authorized officer shall issue the required certification.

Clause 11 Connection of transmitting devices shall enable and facilitate required inspection. In the case the authorized officer cannot carry out inspection, responsible manufacturers, importers, sellers and repairers including owners or possessors shall give explanation and support the authorized inspector as required.

Clause 12 A weighing device with computer connected to the load-measuring device shall have only one load-display software.

Clause 13 A weighing device with computer connected to the load-measuring device of a load-display software of the unladen weight device shall not be allowed to have a tare weight device or a preset tare weight device.

Clause 14 An inspection to issue a primary certification for a weighing device shall require prior inspection by the authorized officer with labeling of non-certification for its load-measuring device and the extending load display, which shall be attached to the weighing device or affixed for joint functioning.

Clause 15 The weighing device, the junction box and the extending load display shall have a required labeling space to prevent any change or correction after the required certifying inspection, which shall only be allowed either for correction, improvement or repair after depletion of the said labeling.

Given on the 4th Day of November B.E. 2556

-Signature-

(Somchat Soithong)

Director-General

Department of Internal Trade