

Directions Governing Type Approval of Taximeters

[Chronicle of Promulgation and Amendments]

Adopted and promulgated by Ministerial Order on 6 October 2003

1. These Directions are established for the conduction of type approval/series type approval of taximeters and other relevant activities.
2. To apply for type approval, series type approval or approbation, the applicant shall submit the following technical documents:
 - (1) Two copies of operating manuals (not required for approbation applications);
 - (2) Two copies of the list of patterns of lead seals and stamps (not required for approbation applications);
 - (3) The original type approval certificate (not required for type approval applications); and
 - (4) Description of any differences resulted from changes intended to be made (not required for type approval applications).
3. To apply for type approval or series type approval, the applicant shall submit the following appearance photographs (adhered to A4 paper and made it available in two binding copies; the photographs shall not be smaller than $12.7 \times 8.8 \text{ cm}^2$):
 - (1) A total of six photographs, illustrating the upper, lower, left, right, front and back of the instrument; and
 - (2) Close-up photographs of the marks, buttons and sealing.
4. An applicant for type approval shall submit the following technical documents to the designated laboratory recognized by the dedicated weights and measures authority to apply for testing:
 - (1) Structural diagram, 3D breakdown drawing (commonly called "exploded view"), circuit block and circuit diagrams of the sample;
 - (2) Diagram of lead seal location and detailed instructions on the functions of buttons;
 - (3) Diagram of rear terminals and list of parts;
 - (4) Construction map and flow chart of the printing unit (if provided); and
 - (5) Other illustrations (briefly describing the rated current and voltage, usage, attention to usage, and performance of the machine).
5. Under any of the following circumstances, application for series type approval or approbation for type-approved taximeters may be filed without the need for testing:
 - (1) Where the dimensions of the frame or panel are changed with the range of $\pm 10\text{mm}$;
 - (2) Where the color of the display is changed; or
 - (3) Where the set value of the distance or price is changed.
6. Under any of the following circumstances, application for series type approval or approbation for type-approved taximeters may be filed after the conduction of relevant performance tests:
 - (1) Where the material of the frame is changed, tests of electrostatics discharge, electromagnetic wave radiating capability, temperature, vibration, impact, temperature and humidity and other relevant items.
 - (2) Where the switching unit is changed, tests of electrostatics discharge, vibration, impact and other relevant items.
 - (3) Where the number of display digits is increased, tests of power supply noise interference, electrostatics discharge, temperature, vibration, impact, temperature and humidity and other relevant items.
 - (4) Where the capacity of memory is increased or reduced, tests of temperature, vibration, impact, temperature and humidity, power supply noise interference and other relevant items.
7. Under any of the following circumstances, application for type re-approval shall be re-filed for type-approved taximeters:
 - (1) Where the circuit design is changed; or
 - (2) Where any output interface such as receipt printer or data management system is added.
8. For type-approved taximeters, in the event of any changes made other than those listed in the preceding three

clauses, the Type Approval Committee of the dedicated weights and measures authority or the designated laboratory recognized by the dedicated weights and measures authority may examine the relevant technical documents to determine the items needed to be tested.

9. To apply for extension of the validity period of a type approval certificate, the original applicant for type approval or the successor shall submit the following documents:
 - (1) Appearance photos of the instruments in question as listed in clause 3;
 - (2) Declaration; and
 - (3) Technical documents as listed in clause 4.