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TO MANUFACTURERS OF ELECTRICITY
METERS

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Statement of CMI to testing of electricity meters during conformity assessment or type examination according to the Act on Metrology

Dear manufacturers,

The purpose of this letter is to provide you in advance with necessary information as regards an introduction of a requirement to test electricity meters for immunity to conducted disturbances in the frequency range of 2 kHz - 150 kHz. As laid down in the Decision of the European Commission on EN-50470 (enclosed) of 2012 manufacturers of static electricity meters must ensure that their meters comply with the requirements of immunity to conducted disturbances in the frequency range of 2 kHz - 150 kHz, in the meantime the corresponding tests have been set down in the EN 61000-4-19:2014 standard.

Czech Metrology Institute (CMI) in the conformity assessment of electricity meters both in the framework of the module B of the EU Directive 2014/32/EU and type approval on the basis of national legislation (Act no. 505/1990 Coll.) will require a demonstration that tests against the standard:

EN 61000-4-19 “Electromagnetic compatibility (EMC) – Part 4-19: Testing and measurement techniques - Test for immunity to conducted, differential mode disturbances and signalling in the frequency range from 2 kHz to 150 kHz, at a.c. power ports (IEC 61000-4-19:2014)”

have successfully been made as a part of evidence that the requirements given in the above-mentioned legal acts have been fulfilled.

In practical terms, CMI will apply the following approach. An issuance of the certificate following an application for conformity assessment under module B of the EU Directive 2014/32/EU or an application for a national type approval according to Act no. 505/1990 Coll. will only be made under condition that tests as laid down in the above mentioned standard have successfully been made. This procedure becomes effective since **May 1st, 2019** to be used in relation to any application to issue both a new certificate and an amendment to the existing certificate, the exception being applications for merely formal changes in the existing certificate to be made in an administrative way without a necessity to make any tests on the measuring instrument (e.g. a change of the manufacturer’s name, a change in his address, changes in the text – spelling mistakes etc.).

With best regards

Pavel Klenovsky
General Director



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Annexes

According to the text