**Software examination of sound level meters – questionnaire**

**(version 1.2, 25 June 2019)**

The new Measures and Verification Ordinance dated 11.12.2014 (Mess- und Eichverordnung - MessEV) prescribes the examination of software security for sound level meters. The “WELMEC Guide” (a software guide) is in force providing guidance in Version 7.2 Edition 2015 which is currently valid.

For this purpose, documentation of the sound level meter software must be submitted – additional block diagrams are welcome. The following questions are intended to shed light on the most important issues concerning sound level meters. If the documentation already provides detailed answers to these questions, it suffices to indicate the pages where the corresponding information can be found.

Information concerning the sound level meter:

Manufacturer

Type

Hardware version

Software version

Contact for further enquiries:

Name

E-mail

Phone

1. Operating system

1.1) Which type of operating system is the software based on?

a universal operating system (Windows, Linux, ...):

an operating system programmed individually and specifically for the measuring instrument

1.2) How is user access to the system restricted?

1.3) Is there a software separation between the operating system and the measurement software?

yes  no

1.4) If yes, how is it implemented?

2. Software updates

2.1) Who is entitled to install updates?

the manufacturer  the verification authorities  other bodies:

2.2) How can you check the software version?

2.3) How is it ensured that unauthorized parties cannot install software?

3. Calibrations

3.1) To what extent is the sound level range for calibrations limited? ±       dB

3.2) What does the calibration deviation refer to?

the nominal sensitivity  the initial calibration  other:

3.3) How are the time and the sensitivity variation of calibrations saved to the device?

3.4) How can this data storage be read out?

3.5) Is this data storage protected against tampering?

4. Measurement data

4.1) Are all stored measurement data provided with...

the serial number of the sound level meter  inalterable measurement-identification  software version  current sensitivity of the measuring chain

4.2) How are the measurement data protected against subsequent tampering?

4.3) Is a warning issued before data are deleted or overwritten?  yes  no

4.4) Is a warning issued when the data storage is full or when there is no data storage device?

yes  no

5. Open ports

5.1) Which communication interfaces are available?

WLAN  LAN  USB  RS232  other:

5.2) Which measures ensure that these interfaces are free of feedback?

Annexes:

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Date, signature