

WELMEC

European cooperation in legal metrology

WELMEC Software Guide 7.2, 2018



We would like to introduce changes that were implemented at WELMEC Software Guide 7.2, version 2018 from the previous version. These requirements were modified/implemented:

P7 (Parameter protection): An [acceptable solution](#) was changed to provide assurance that [the contents of the event logger are shown on the display or printed upon command, i.e. shown by legally relevant software.](#)

P8 (Presentation of measurement data): A new requirement P8 was added – [as a analogue of requirement U8.](#)

The authenticity of the measurement data presented by built-for-purpose device shall be guaranteed. So the presentation of the measurement data must be issued within the legally relevant software.

U8 (Presentation of measurement data): Changes were adopted:

P8/U8: [Pairing and handshaking between units is now described in a more general way:](#)

If the source of the presented measurement data (e.g. a sensor) is not implicitly identifiable or verifiable (e.g. if there is more than one sensor or if the sensor is remotely connected), [the instrument shall supply the identification of the respective source.](#) The unique identifier of the approved data source is a legally relevant parameter covered by P6/U6 or P7/U7. Depending on the type of the data link, Extension T may need to be applied.

Extension S (Software separation): The definition for low level / high level separation was removed. [The requirements S1 to S3 must be fulfilled regardless of the implemented separation mechanism.](#)