5 Metrological Control

The metrological controls of belt weighers may, in agreement with national regulations, consist of:

1. type evaluation;
2. initial verification;
3. subsequent verification;
4. in-service inspection.

Tests should be applied uniformly by the legal metrology services and should form a uniform program. Guidance for the conduct of type evaluation and initial verification is provided in International Documents OIML D19 [9] and D20 [10] respectively.

The importance of durability of belt weighers is recognised. Measures to ensure durability may be taken subject to national regulations, which may include assessments under items (a) to (d) above.

If such an assessment is included under (a) it should be recognised and taken into account that (lack of) durability may be a characteristic of a particular installation. Hence a decision not to type approve an instrument may only be warranted where the unacceptable durability is clearly a characteristic of the type.

Where measures to ensure durability are taken, authorities are encouraged to document these and provide details to TC9/SC2 to inform any future work on development of harmonised requirements or guidance regarding durability.

* + - 1. Durability Testing

Delete

5.3 Subsequent metrological control

Subsequent metrological control may be performed according to national regulations.

It is recommended that arrangements for subsequent metrological control incorporate means for reviewing intervals for subsequent verification and in-service inspection, based on performance of an instrument over time, so as to provide an incentive to produce equipment which is durable when installed and used, and as a deterrent to non-durable equipment. ILAC-G24/OIML D10 (2007) “Guidelines for the determination of calibration intervals of measuring instruments” indicates (in clause 3) methods which may be useful for this purpose.”

Should an instrument (installed in a particular location) be found to be of unacceptable durability, action may need to be taken to withdraw that instrument from use. If unacceptable durability was found to be a characteristic of the type (unacceptable durability regardless of the installation), withdrawal of the type approval may need to be considered.