

WELMEC e.V. – news

June 2025

Pavel Klenovsky, WELMEC Chair (Czech
Metrology Institute)

6th Committee meeting

- June 17, 2025 – Session A, closed session, June 18 - 19 Session B, open session
- Venue: Bratislava, Slovakia, 31 out of 38 members represented
- As a principle, COM meetings are exclusively face-to-face ones
- New Chair-elect will be elected at this meeting
- Technical exchange: comments to the process of the targeted amendment of MID
- WELMEC members – preoccupied with dealing with the comments to the MID revision on national level
- A revision of the strategy will be launched to be approved in 2026

Possible elements of the future strategy

- WELMEC agreement on recognition of type approvals (TAAs) of measuring instruments beyond MID/NAWIG - such a concept would be strongly supported by the existing EU legislation on mutual recognition Regulation (EU) 2019/515 on the *mutual recognition of goods* lawfully marketed in another country
- coverage by WGs of such instruments
- unified EU-wide verification procedures for most frequent instruments (NAWIs in supermarkets, fuel dispensers, EVSEs)
- recognition of verified measuring instruments moving across borders in the EU
- school of European legislation in metrology (or e-learning ?)

Technical work - recently and in near future

OIML TC 12 (electricity meters + charging stations) meetings in Prague, March 10 – 14, 2025:

- the aim was to prepare:
 - a thorough revision of OIML R 46-1,-2 (2012 !) on electricity meters (inclusive reactive power)
 - a 1st CD of OIML recommendation on DC electricity meters
 - a 1CD for OIML recommendation on EVSEs (R 22 replacing G 22)
- ideally to finalize the work before the CIML in 2026 to get it approved

Shortly about the MID targeted amendment process

- on **Nov. 29, 2025** the legal text of the proposal adopted by the College of Commissioners
- now in the EU legislative process
- in general: the proposed changes are progressed well with the exception of electricity meters (adding of DC meters and possibly of reactive AC meters) and EVSEs
- **unexplainable opposition to extend the coverage of smart meters as regards remote display to watermeters and thermal energy meters !?**
- **publication: 1.1.2028** if the proposal is approved by co-decision until **30.9.2025**

Technical comments

- EVSEs:
 - 3 accuracy classes remained without assignment to the specification of residential, light industrial and commercial specification - no harmonisation, will generate confusion in the field
 - in general: some countries here afraid of over-regulation
- Annex V of MID on electrical energy meters is the most controversial:
 - reactive power being a part of any smart meter still missing
 - the common table of disturbances, 20 years old, cannot serve both AC and DC meters (a conflict with the EN standard for DC meters) and also EVSEs (where the disturbances are derived from those of the electricity meters in the current standards)

accuracy of energy: 0.2 %
voltage range: up to 1000 V
current range: up to 800 A
electronic simulation of battery
price: 200 000 EUR
enables any combination
of voltage and current
presentation in Prague



Additional technical work

- WELMEC document 8.8 on voluntary system of modular evaluation of measuring instruments:
 - a source of envy by all the regions of the world
 - absolutely crucial for seamless conformity assessment system, required by manufacturers
 - some **Notified Bodies now stopped using it** as a result, basically, of non-disclosure of the CA certificates !
 - the guide is from 2017 → it would deserve a review
 - **Guide 8.8. should be revised !**

Additional technical work

Weighing instruments NAWIs - a revision of OIML R 76/EN 45501 is overdue:

- it corresponds to the state-of-the-art of the technology in 2006 !
- under revision in OIML, the work proceeds slowly
- attempts might be made to revise the EN standard instead (leading manufacturers are in Europe !) which is clearly unwanted
- WELMEC as a regional sub-group of OIML cannot possibly do much here but for Europe it is a very sensitive issue
- our WG 2 might get somehow involved

Legal disputes – weighing instruments

- Preliminary question **C-237/25 Mettler-Toledo** - the matter with the **various inscriptions on NAWIs** is in the 2nd stage (after an appeal) at the German federal court, in the 1st stage the court decided in favour of Mettler-Toledo
- WELMEC has delivered a number of opinions in the past on the matter based on WG 2 analysis
- The use of those inscriptions in an electronic form is supported by the **harmonized standard EN 45501** aligned with globally-applied **OIML R 76**
- Meeting the requirement of alignment with technological progress
- My opinion: off-line electronic device **is not a measuring instrument** under the EU harmonized legislation (does not generate any measured data)

Legal disputes – weighing instruments

- Preliminary question **C-238/25 Bizerba** - CE marking on load cells without an indicating device, the measured values stored only in an internal memory (is that a complete NAWI under the directive ?)
- Load cells are not official sub-assemblies under NAWID
- **EU NAWID, Annex I, par. 9: de facto requires an indicating device to be available on any NAWI**
- It is a matter of a consumer protection, in case of direct sales it is absolutely essential
- **My opinion: not in line with the EU harmonized legislation**



**THANK YOU FOR YOUR
ATTENTION!**

www.welmec.org