

Collated 28 September Comments Draft Annex hydrogen CG dispensers / measuring systems

| By | Current Reading | Proposed Reading | Remarks / Rationale | Response |
|-----|-----------------|------------------|--|---|
| BEV | Title | | The measurements are continuous | As opposed to static measurement e.g. level gauging. Also see MI-005 title. No change made. |
| BEV | 1.2 | | Characteristics should be mandatory and not for example. | This wording is similar to MI-005 and intended to choose characteristics relevant to a wide range of applications. No change made. |
| BEV | 2.1 | | With respect to OIML R139-1, the MPE for H2 should also be 4; The accuracy class for the meter itself should also defined in the table like for liquids other than water (MI-VII) | Over the last years nobody has requested for a Module B (national, R139 based) with class 4; only 2. Under MID, meters only cannot be certified. Therefore no meter MPE needed. For Evaluation Certificates / Parts Certificates, for meters, R139 can be applied. No change made. |
| BEV | 3.1 | | Maybe a more general expression would be better. The details for conformity assessment are laid down in OIML R139-1. | The level of details is similar to MI-005 and derived from R139. No change made. |
| BEV | 3.2 | | What is the meaning of the critical change value? | See definition in Annex I. In OIML terminology one typically uses "significant fault". Both define a clear Pass / Fail criterion for disturbances. |

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| BEV | 7 | | The quantities shall be expressed in SI units of mass. In addition, but only for information to the customer, the quantities could be shown in Liter on an additional, legally non relevant display. | In practice, volume is not applied in these measuring instruments. Typically only mass is displayed. However, H2 for fuel cell applications is more than 99.999% pure, making the conversion is simple and highly accurate multiplication only. Moreover, dispensers displaying in energy do occur. No change made. |
| FR | | | The mass is the measured quantity. This indication of mass should be indicated. The energy is a secondary indication, determined on the basis of the mass. | See previous response. |
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