

## **Statement 2 of the CCM WG PV on the content of CMC entries**

The CCM WG PV wishing to make the CMC entries in the scope of the CCM WG PV more user friendly and adapted to the needs of the NMI customer

and

considering the relevant CIPM and JCRB documents CIPM 07/11, JCRB-06/6, JCRB-8/9, JCRB-8/18, JCRB-10/6(3), JCRB-11/7, JCRB-12/06(2), JCRB-14/06(2a)

establishes the following guidelines<sup>1</sup> for CMC entries in the field of in the scope of the CCM WG PV:

1. CMC entries in the field of in the scope of the CCM WG PV shall be oriented towards the unit under calibration (UUC) and not only on the realized pressure or mass flow scale. This means that CMC entries may have overlapping ranges.
2. In column "C" ("Instrument type or method") should appear the special type of pressure, vacuum gauge or leak standard to be calibrated. In column "A" shall be written "absolute pressure", "differential pressure", "gauge pressure", or "molar flow rate" and in column "B" ("Instrument") the UUC. An entry in this column makes it clear that the given uncertainty is not only determined by the primary standard, but as well by the UUC. This entry also makes the following uncertainty values easier to understand for the customer or reviewer.
3. Only those gauges may be considered as UUC in the CMC entries being acknowledged as having a very high metrological quality and being suitable to disseminate the pressure scale by secondary calibration laboratories.
4. In column "G" and "H" ("Measurement conditions/independent variable") it shall be specified in separate lines with their specifications: for the pressure field gas or oil medium, line pressure, for the vacuum field temperature, gas species and gas purity.
5. Uncertainties, if not given by a formula, have to be given with two significant digits.
6. Technical details such as the recommended UUC for a specific range are recommended by task groups of the CCM WG PV.

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<sup>1</sup> This statement was approved at the CCM PV meeting on May 11, 2017 in Pereira, Colombia.

