

Glossary of terms used in this arrangement

BIPM: Bureau International des Poids et Mesures.

CGPM: General Conference of Weights and Measures.

CIPM: International Committee of Weights and Measures.

Calibration and measurement capability: the highest level of calibration or measurement normally offered to clients, expressed in terms of a confidence level of 95 %, sometimes referred to as best measurement capability.

Calibration or measurement certificate: a certificate issued by a national metrology institute and relating to a test, calibration or measurement of an instrument or a reference material (pertaining either to physical or to chemical measurements).

CIPM key comparison: a key comparison executed by a Consultative Committee or the BIPM leading to a key comparison reference value.

Degree of equivalence of a measurement standard: the degree to which the value of a measurement standard is consistent with the key comparison reference value. This is expressed quantitatively by the deviation from the key comparison reference value and the uncertainty of this deviation. The degree of equivalence between two measurement standards is expressed as the difference between their respective deviations from the key comparison reference value and the uncertainty of this difference.

Key comparison: one of the set of comparisons selected by a Consultative Committee to test the principal techniques and methods in the field (note that key comparisons may include comparisons of representations of multiples and sub-multiples of SI base and derived units and comparisons of artefacts).

Key comparison database: the database maintained by the BIPM which contains Appendices A, B, C and D of this Mutual Recognition Arrangement.

Key comparison reference value: the reference value accompanied by its uncertainty resulting from a CIPM key comparison.

National metrology institute: the national metrology institute signatory to this arrangement is the metrology institute designated by the appropriate national

governmental or other official authority as that responsible for national measurement standards.

RMO key comparison: a key comparison executed by an RMO. Note: only key comparisons carried out by a Consultative Committee or the BIPM lead to a key comparison reference value. For a key comparison carried out by a regional metrology organization the link to the key comparison reference value is obtained by reference to the results from those institutes which have also taken part in the CIPM key comparison.

Supplementary comparison: comparisons carried out by ~~the Consultative Committees,~~ the RMOs ~~and the BIPM~~ to meet specific needs not covered by key comparisons, including comparisons to support confidence in calibration and measurement certificates.