Introduction of the 25th CGPM Draft Resolution E
“On the importance of the CIPM Mutual Recognition Arrangement”

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This arrangement provides for the mutual recognition of national measurement standards and of calibration and measurement certificates issued by national metrology institutes, and is founded on the efforts of each individual national metrology institute to base its measurements and measurement uncertainties on SI units.
Mutual Recognition Within the SI

- Originally *signed in 1999* by NMI Directors
- Continuous *expansion*
  - 53 Member States
  - 40 Associates of the CGPM
  - 4 International Organizations
  - 152 Designated Institutes
- Continuous *growth*
  - 10 metrology areas
  - 887 key comparisons
  - 404 supplementary comparisons
  - 25,000 published CMCs
Improved capabilities

“The agreement has, without doubt, driven up the quality of the measurement services offered by the NMIIs, as evidenced by the improving performance in key comparisons over the years.”

“Scientific metrology can and should be held to the highest standards of excellence and transparency.”
Measures Of Success – The RMO Perspective

- Increased *collaboration*

“NMIs are deeply engaged in international activities: comparisons, meetings, training, technical visits, peer reviews, resulting in a tightly knit community of peers with heightened awareness of common issues and practices, and leading to a truly globalized metrology system.”
Measures Of Success – The RMO Perspective

- Enhanced *awareness*

“The KCDB provides a crucial resource for the accredited calibration and testing laboratories who must demonstrate internationally accepted traceability.”

“The MRA has enhanced the relationship and recognition of metrology with the other pillars of Quality Infrastructure at national, regional and international levels.”
Broader impact

“The MRA, particularly through the introduction of Associate Member status, and the new expectations, invigorated purpose and formal responsibilities given to RMOs, has introduced an effective mechanism for NMIs, at all levels, to participate in, engage with, and develop on the international stage.”
Sustainability : Streamlining for Efficiency

- After 15 years and an enormous amount of work by all of the signatories, it is time to conduct a wide-ranging review of implementation and operation of the Mutual Recognition Arrangement.

- The ongoing effort to maintain what we have established is not expected to be the same as the effort already invested to build the evidence for equivalence.
The General Conference on Weights and Measures ...

noting a workshop planned for 2015 to engage in a broad discussion ... establishing views on what works well, and what needs to be improved

invites the Consultative Committees and the Joint Committee of the Regional Metrology Organizations and the BIPM (JCRB) to continue their ongoing efforts to streamline operations within the existing framework

invites the CIPM to establish a sub-committee under the chairmanship of the President ... to conduct a review of the implementation and operation of the CIPM MRA
Thank you

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