

The re-definition of the base units of the SI

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The General Conference of Weights and Measures will meet in November 2018 and is expected to approve new definitions for the base units of the SI. This will be the culmination of more than a decade of work.

The rationale for adopting the new definitions will be introduced, along with some of the scientific achievements, particularly in measuring the Planck constant and the Boltzmann constant with sufficient accuracy to underpin future mass, electrical and temperature metrology.

The new definitions will provide a basis for the future development of metrology and their adoption will provide an opportunity to promote the work and benefits of metrology worldwide.