

**Coordinated Universal Time:
An analysis of the methods proposed for achieving a continuous reference time scale**

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The administrations members of the International Telecommunication Union (ITU) will decide at the next World Radiocommunication Conference in November 2015 (WRC15) on the adoption of a continuous reference time scale concluding a long discussion on a possible redefinition of Coordinated Universal Time (UTC) without leap seconds.

A text has been prepared by the Working Party 7A of ITU-R for providing the administrations the necessary background on the motivations for redefinition, the result of studies conducted since 2000 and the views of administrations and organizations involved in timekeeping and dissemination and/or representing user's communities. This text, which constitutes the Agenda item 1.14 for WRC15, also includes a presentation and discussion of different methods proposed by some administrations as viable options for achieving a continuous reference time scale.

An analysis of these methods, based on metrological principles is presented.