

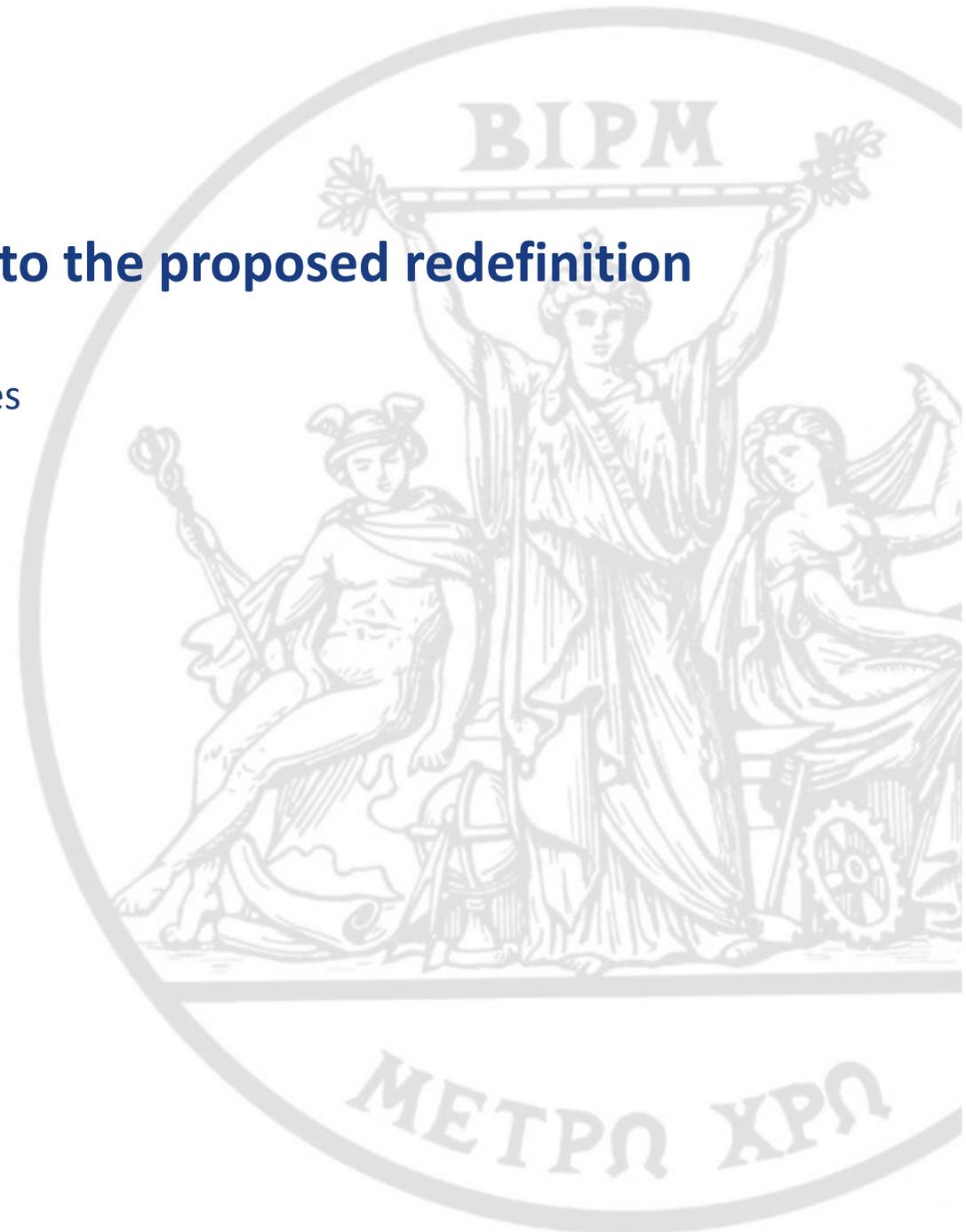
Progress on works related to the proposed redefinition of UTC

WG-D Task Group on timing references
Contribution from BIPM

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10th Meeting of the ICG
Denver,

Bureau
| **I**nternational des
| **P**oids et
| **M**esures



Preparation to WRC-15 (2 – 27 November 2015)

- ◆ Second session of the 2015 Conference Preparatory Meeting

- Geneva (Switzerland), 23 March – 2 April 2015
- Conclude the CPM report which develops all items in the WRC-15 agenda, including 1.14 on the redefinition of UTC
- Final Report of the CPM to the WRC-15 available at <http://www.itu.int/md/R12-CPM15.02-R-0001/en>



- ◆ Regional meetings, some providing a consolidated position to WRC-15



Asia-Pacific Telecommunity (APT)



Arab Spectrum Management Group (ASMG)



African Telecommunications Union (ATU)



European Conference of Postal and Telecommunications Administrations (CEPT)



Inter-American Telecommunication Commission (CITEL)



Regional Commonwealth in the Field of Communications (RCC)

Methods proposed

- ◆ **Method A: Stopping the insertion of leap seconds in UTC**
 - Allow minimum 5 year to adapt to the change
 - IERS will continue providing UT1-UTC
 - A1: retain the name of UTC
 - A2: change the name of UTC
- ◆ **Method B: Retain UTC as currently defined, and**
 - Introduce a continuous reference atomic time-scale based on TAI with an offset to be broadcast on equal basis
- ◆ **Method C: No change in the definition of UTC which**
 - Will remain the only broadcast time-scale,
 - C1: accept TAI as an alternative, and derive it from UTC using a difference which is also broadcast
 - C2: include definitions, corrections, materials with respect to the feasibility of using continuous system time-scales for radio communication systems
- ◆ **Method D: No change**