WG-D Task Force on Timing References
Review of "Time recommendations"

G. Petit

11th ICG Meeting

■ International des
■ Poids et
■ Mesures



Review of WG-D « Time Recommendations » (1/2)

- Recommendation 11, « Finalization and publication of templates on geodetic and timing references »
 - BeiDou Time Template see report (4.4)
 - See also short report by G. Petit (4.2.3)
- Recommendation 16-A, « Information on the works related to the proposed redefinition of UTC »
 - Should be updated following WRC-15, See short report by G. Petit (4.2.4)
- Recommendation 19, « Official provision of a rapid UTC (UTCr) by the BIPM »
 - Official weekly publication. See short report by G. Petit (4.2.1)

Review of WG-D « Time Recommendations » (2/2)

- Recommendation 20, « BIPM publication of [UTC-GNSS times] and [UTC-UTC(k)_GNSS] »
 - Evolution of Circular T implies small change to the text
 - See report (4.2)
- Recommendation 21, « Monitoring offsets between GNSS System Times »
 - See report 4.5
 - May be complemented by a fourth Recommend to foster comparison of offsets computed by the different GNSS

Recommendation 20

Simple adjustment to account for obvious change

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Discussion/Analyses: ¶
       The monitoring of the values of [UTC - GNSS times] and [UTC - UTC \cdot (k)] serves to a
       better coordination of the various GNSS and to provide a better time service to users.
       The procedure for calculation of these values is provided in the explanatory supplement of
       BIPM·Circular·T, available at
       ftp://ftp2.bipm.org/pub/tai/publication/notes/explanatory_supplement_v0.1.pdf.¶
Recommendation of Committee Action:
The ICG WG-D recommends that the BIPM continues the regular provision of the values of [UTC--
GNSS \cdot times and [UTC - UTC \cdot (k)]_{GNSS} and extends them to other GNSS, in particular Galileo and
BeiDou.¶
Members · Consensus Reached
                                                : No Consensus Reached
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Recommendation 16

Account for WRC-15 conclusions

- of achieving a continuous reference time-scale, whether by the modification of UTC or some other method, and take appropriate action, taking into account ITU-R studies,
- WRC-15 recognized the roles of the BIPM and ITU concerning time scales definition and maintenance and their dissemination, invited the various organizations to cooperate for developing studies on the present and potential future reference time scales and submit contributions to WRC-23 and decided than until WRC-23 Rec. 460-6 will continue to apply.

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Recommendation · of · Committee · Action: ¶

It · is · recommended that the · ICG · monitors · the · ongoing · development of · the proposed · redefinition of · UTC · and · that reports · be · presented · until · a · decision · is · made · at · WRC - 1523 . ¶

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Recommendation 21

Add fourth Recommend

3.4. → In· order· to· promote· GNSS· compatibility· and· interoperability,· GNSS· time· relevant· organizations·actively·develop·methods·to·monitor·the·offsets·between·GNSS·times·and·share· the·monitoring·data·and·relevant·research·results.¶

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1