

Recommendation on the Common generic GNSS time transfer standard (CGGTTS)

The Consultative Committee for Time and Frequency (CCTF),

considering that

- The CGGTTS format and standard is used by the time laboratories to transfer the time of their clocks to the computation of UTC
- The software R2CGGTTS is commonly used by UTC laboratories to generate CGGTTS data
- The deployment of the European Galileo, QZSS and BeiDou constellations is in progress and should be completed in the coming years,
- Several receiver manufacturers provide already GNSS observations from the different constellations

noting that

- An extension of the CGGTTS format has been defined under the name V2E so as to include the time transfer results from the GPS, GLONASS, BeiDou, Galileo and QZSS satellites
- The complete description of the V2E standard has been made publicly available in *Metrologia* 2015 **52 G1**

recommends that

- Manufacturers of timing receivers upgrade their firmware so as to provide the version V2E of the CGGTTS
- The time laboratories provide CGGTTS files to the BIPM in the V2E format.
- The software R2CGGTTS be upgraded to provide the version V2E.