Global forum for NMIs on best practices, innovations and state of the art

A recent example is the successful coordination of a set of formal definitions of the international time scales TAI and UTC (Draft Resolution B - 26th meeting of the CGPM (2018)).

CCTF relies on the BIPM for computing and maintaining the international time scales (TAI, UTC, UTCf, TT(BIPM)), and manages the key comparison CCTF-K001.UTC.

The CCTF promotes research on time scales, primary and secondary frequency standards, time and frequency transfer techniques and their applications.

Promotion of dialogue between NMIs and stakeholders on new emerging technologies

In collaboration with the RMOs, support CMCs for mutual recognition

The CCTF coordinates the strategies for time and frequency comparisons and dissemination with NMIs and relevant international and regional organizations.

1174 CMCs in 19 service categories
1 KC CCTF-K001.UTC, 1 Supplementary Comparison (GULFMET.TF-S1)

Future challenges

- Moving towards a new definition of the second, achieving 10^-18 accuracy.
- Improving UTC in terms of stability, accuracy, and accessibility.
- Promoting the important benefits of a unique reference time UTC to the international scientific and industrial communities.