

# Classification of services in Time and Frequency

Version 1.2 (Janvier 2025)

## Metrology Area: Time and Frequency

### Branch: Time scale difference

- 1 Time scale difference
  - 1.1 Local clock
    - 1.1.1 Local clock vs. UTC(NMI)
    - 1.1.2 Local clock vs. UTC
  - 1.2 Remote clocks
    - 1.2.1 Remote clock vs. UTC(NMI)
    - 1.2.2 Remote clock vs. UTC
    - 1.2.3 Broadcast prediction of UTC by GNSS ( $bUTC_{GNSS}$ ) vs UTC(NMI)
    - 1.2.4 Broadcast prediction of UTC by GNSS ( $bUTC_{GNSS}$ ) vs UTC

### Branch: Frequency

- 2 Frequency
  - 2.1 Standard frequency source
    - 2.1.1 Local frequency standard
    - 2.1.2 Remote frequency standard
  - 2.2 General frequency source
    - 2.2.1 General frequency source
  - 2.3 Frequency meter
    - 2.3.1 Frequency counter
    - 2.3.2 Frequency meter

### Branch: Time interval

- 3 Time Interval
  - 3.1 Period source
    - 3.1.1 Period source
  - 3.2 Time Interval source
    - 3.2.1 Rise/fall time source
    - 3.2.2 Pulse width source
    - 3.2.3 Time difference source
    - 3.2.4 Delay source
  - 3.3 Period meter
    - 3.3.1 Period meter
  - 3.4 Time Interval meter
    - 3.4.1 Rise/fall time meter
    - 3.4.2 Pulse width meter

3.4.3 Time difference meter

3.4.4 Delay meter

Note: Only the second sub-level items presented as "a.b.c", where "a", "b", and "c" are integers, should be selected for the column "Service category" (for instance "1.1.1") and "Instrument or Artifact" (for instance "Local clock vs. UTC(NMI)") of the [CMC table](#).