Recommendations
adopted
by the Comité International des Poids et Mesures
at its 85th meeting

Coordination of satellite systems providing timing

RECOMMENDATION 1 (CI-1996)

The Comité International des Poids et Mesures,

considering
— the international value of having both Global Positioning System (GPS) and Global Navigation Satellite System (GLONASS) operational with a composite contribution of 48 satellites,
— the desirability of using either or both systems interchangeably,
— that currently significant time differences exist between the two systems,
— that significant differences exist in the coordinate reference frames used for each,
— that other important satellite timing systems are now being designed and developed,

recommends
— that the reference times (modulo 1 second) of satellite navigation systems with global coverage* be synchronized as closely as possible to UTC,
— that the reference frames for these systems be transformed to be in conformity with the terrestrial reference frame maintained by the International Earth Rotation Service (ITRF),
— that both GPS and GLONASS receivers be used at timing centres.

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