

Recommended concepts and terminology related to Terrestrial Reference Systems. Implication of IAU,IUGG, IAG and IERS.

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Abstract

Several recent actions have been taken in relation to Terrestrial Reference Systems, within international organizations such as IAU, IUGG and IAG. In particular, IUGG has adopted during the Perugia General Assembly in July 2007 a new resolution about ITRS. IERS and more specifically IERS Conventions has a key role both to implement those recommendations and to generate further progresses by producing refined primary realizations of ITRS. Several open issues about actual organization and the consistency of works done by the various actors are discussed, in particular IERS versus the Technique Centers (IVS, IGS, ILRS and IDS), GGOS and IAG. The paper focuses on basic concepts and related terminology dealing with TRS. Some propositions are exposed in the paper, directly related to IERS Conventions.