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Geographic information — Geodetic references

Part 1: International terrestrial reference system (ITRS)

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Foreword

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Introduction

This document provides the basic information and definitions related to the International Terrestrial Reference System (ITRS), its realizations and how to access these realizations. These are consistent with the conventions adopted by the international scientific organizations that created this concept, which are the International Union of Geodesy and Geophysics (IUGG), specifically its association in charge of geodesy, the International Association of Geodesy (IAG), and the International Astronomical Union (IAU).

The various realizations of ITRS are then presented as crust-based reference frames, which are global, regional or local, and as satellite ephemerides, such as those broadcasted by satellite navigation systems.

Annex A of this document describes the access methods to ITRS and the various processes required to determine positions expressed in this system.

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