

ISO 19161-1:2020-01 (E)

Geographic information - Geodetic references - Part 1: International terrestrial reference system (ITRS)

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Symbols and abbreviated terms	2
5 ITRS: overview	3
6 Realizations of ITRS	4
6.1 Description of a realization of ITRS	4
6.2 Classification of realizations	4
6.2.1 General	4
6.2.2 Primary realization of ITRS	4
6.2.3 Secondary realization of ITRS	4
6.3 Types of TRF	4
6.3.1 General	4
6.3.2 Crust-based TRF	5
6.3.3 Satellite Ephemerides based TRF	5
6.4 Methods for secondary realizations of ITRS	5
7 Conformance of a secondary realization of ITRS	5
Annex A (normative) Methods of determining positions in an ITRS realization	7
Annex B (informative) Description of ITRS and ITRF	10
Annex C (informative) Major reference frames aligned to primary and secondary ITRS realizations	13
Bibliography	15