ISO 19165-1:2018-05 (E)

Geographic information - Preservation of digital data and metadata - Part 1: Fundamentals

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Abbreviated terms and conventions 8
4.1 Abbreviated terms 8
4.2 Conventions 8

5 Conformance 9

6 Preservation 9
6.1 Prioritization 9
6.2 Structure 9
6.2.1 Data format 9
6.2.2 Data structures 10
6.2.3 Software and algorithms 10
6.2.4 Properties of geospatial data 10
6.2.5 Gold copy 11
6.3 Rights/licensing 11
6.4 Time 11

7 Geospatial information model 12
7.1 Overview 12
7.2 Designated community 14
7.3 Metadata 15
7.3.1 Introduction to metadata 15
7.3.2 Preservation metadata classes 15
7.3.3 Data identifiers 16
7.3.4 Data, product and format specifications 17
7.3.5 Preservation actions 18
7.3.6 Association of resources 19
7.3.7 Value and strategy 20
7.3.8 Fixity 21
7.3.9 Information package description 22
7.3.10 Acquisition 23
7.3.11 Coordinate reference system 24
7.4 Open Packaging Convention (OPC) 25

Annex A (normative) Abstract test suite 27

Annex B (normative) Data dictionary 31

Annex C (informative)Case-specificarchivalconcept 38

Annex D (normative) Functional requirements for a preservation archive 39

Bibliography 41