ISO 19155-2:2017-08 (E)

Geographic information - Place Identifier (PI) architecture - Part 2: Place Identifier (PI) linking

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Abbreviated terms 2
4.1 Abbreviated terms 2
4.2 UML Notation 3
4.3 Backward compatibility 3

5 Conformance 3
5.1 General 3
5.2 Linking mechanism: gml:id 3
5.3 Linking mechanism: UUID 3
5.4 Linking mechanism: URL 3

6 Place Identifier (PI) concept 4
6.1 General 4
6.2 PI structure 4

7 PI linking 4
7.1 Overview 4
7.2 PI linking directionality 5
7.3 PI linking model 7

8 PI linking mechanisms 7
8.1 Overview 7
8.2 Linking mechanism: gml:id 8
8.2.1 Overview 8
8.2.2 Linking from a PI 8
8.2.3 Linking to a PI 8
8.2.4 Instance examples using gml:id 8
8.3 Linking mechanism: UUID 9
8.4 Linking mechanism: URL 9

Annex A (normative) Abstract test suite 10

Annex B (normative) Encoding using gml:id to link with GML 11

Annex C (normative) Encoding using gml:id to link with GML application schemas 16

Annex D (normative) Encoding using UUID for linking 19

Annex E (normative) Encoding using URL for linking 21

Annex F (informative) Use case examples 22

Annex G (informative) RDF examples of linking PIs 27

Bibliography 34