ISO/TS 19166:2025-11 (E)

Geographic information - Building information modelling (BIM) to geographic information systems (GIS) conceptual mapping (B2GM)

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **2**

4 Abbreviated terms and notation ... **4**
4.1 Abbreviated terms ... 4
4.2 UML notation ... 4

5 Conformance ... **4**

6 Conceptual framework for BIM to GIS mapping ... **5**
6.1 General ... 5
6.2 Conceptual overview ... 5
6.3 Mechanisms ... 5

7 BIM to GIS perspective definition ... **9**
7.1 General ... 9
7.2 Mechanisms ... 10
7.2.1 General ... 10
7.2.2 Data view ... 10
7.2.3 Logic view ... 10
7.2.4 Style view ... 10

8 BIM to GIS element mapping ... **12**
8.1 General ... 12
8.2 Mechanism ... 12

9 BIM to GIS LOD Mapping ... **13**
9.1 General ... 13
9.2 Mechanism ... 14

Annex A (normative) **Abstract test suite** ... **16**

Annex B (informative) **B2G EM and LM example** ... **18**

Annex C (informative) **Instance example using B2G PD** ... **20**

Annex D (informative) **CityGML LOD model and mapping** ... **21**

Annex E (informative) **LOD mapping rule description example** ... **23**

Bibliography ... **24**