

# ISO/TS 19166:2021 (E)

## Geographic information — BIM to GIS conceptual mapping (B2GM)

---

### Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Abbreviated terms and notation
4.1	Abbreviated terms
4.2	UML Notation
5	Conformance
6	Conceptual Framework for BIM to GIS mapping
6.1	General
6.2	Conceptual overview
6.3	Mechanisms
7	BIM to GIS perspective definition
7.1	General
7.2	Mechanisms
7.2.1	Data view
7.2.2	Logic view
7.2.3	Style view
8	BIM to GIS element mapping
8.1	General
8.2	Mechanism
9	BIM to GIS LOD Mapping
9.1	General
9.2	Mechanism
Annex A	(normative) Abstract test suite
A.1	B2G CM package requirement satisfaction
A.1.1	BIM model
A.1.2	GIS model
A.1.3	B2G CM package
A.2	B2G PD requirement satisfaction
A.3	B2G EM requirement satisfaction
A.4	B2G LM requirement satisfaction
Annex B	(informative) B2G EM and LM example
Annex C	(informative) Instance example using B2G PD
Annex D	(informative) CityGML LOD model and mapping
Annex E	(informative) LOD mapping rule description example