

# DIN CEN ISO/TS 19166:2026-06 (E)

Geographic information - Building information modelling (BIM) to geographic information systems (GIS) conceptual mapping (B2GM) (ISO/TS 19166:2025); English version CEN ISO/TS 19166:2025

---

<b>Contents</b>		<b>Page</b>
Foreword.....		iv
Introduction.....		v
<b>1</b> <b>Scope</b> .....		<b>1</b>
<b>2</b> <b>Normative references</b> .....		<b>1</b>
<b>3</b> <b>Terms and definitions</b> .....		<b>2</b>
<b>4</b> <b>Abbreviated terms and notation</b> .....		<b>4</b>
4.1    Abbreviated terms.....		4
4.2    UML notation.....		4
<b>5</b> <b>Conformance</b> .....		<b>4</b>
<b>6</b> <b>Conceptual framework for BIM to GIS mapping</b> .....		<b>5</b>
6.1    General.....		5
6.2    Conceptual overview.....		5
6.3    Mechanisms.....		5
<b>7</b> <b>BIM to GIS perspective definition</b> .....		<b>9</b>
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
<b>8</b> <b>BIM to GIS element mapping</b> .....		<b>12</b>
8.1    General.....		12
8.2    Mechanism.....		12
<b>9</b> <b>BIM to GIS LOD Mapping</b> .....		<b>13</b>
9.1    General.....		13
9.2    Mechanism.....		14
<b>Annex A</b> (normative) <b>Abstract test suite</b> .....		<b>16</b>
<b>Annex B</b> (informative) <b>B2G EM and LM example</b> .....		<b>18</b>
<b>Annex C</b> (informative) <b>Instance example using B2G PD</b> .....		<b>20</b>
<b>Annex D</b> (informative) <b>CityGML LOD model and mapping</b> .....		<b>21</b>
<b>Annex E</b> (informative) <b>LOD mapping rule description example</b> .....		<b>23</b>
<b>Bibliography</b> .....		<b>24</b>