

# ISO 12911:2023-02 (E)

## Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM ) - Framework for specification of BIM implementation

---

<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>1</b>
<b>3.1</b>	<b>Terms related to knowledge resources .....</b>	<b>2</b>
<b>3.2</b>	<b>Terms related to requirements management .....</b>	<b>2</b>
<b>4</b>	<b>Purpose and background .....</b>	<b>3</b>
<b>4.1</b>	<b>Role of the framework .....</b>	<b>3</b>
<b>4.2</b>	<b>Intention of BIM implementation specifications .....</b>	<b>4</b>
<b>4.3</b>	<b>Overview of framework sections .....</b>	<b>4</b>
<b>4.4</b>	<b>Implementation .....</b>	<b>4</b>
<b>4.5</b>	<b>Conformity .....</b>	<b>5</b>
<b>4.6</b>	<b>Implications of nonconformity .....</b>	<b>5</b>
<b>5</b>	<b>Relationship to other standards .....</b>	<b>5</b>
<b>5.1</b>	<b>Review .....</b>	<b>5</b>
<b>5.2</b>	<b>Use .....</b>	<b>6</b>
<b>5.3</b>	<b>Development of new outcomes .....</b>	<b>6</b>
<b>5.4</b>	<b>Specialized application areas .....</b>	<b>6</b>
<b>5.5</b>	<b>Classification structures and language usage .....</b>	<b>7</b>
<b>5.6</b>	<b>Automation .....</b>	<b>7</b>
<b>6</b>	<b>Framework .....</b>	<b>7</b>
<b>6.1</b>	<b>Overview .....</b>	<b>7</b>
<b>6.2</b>	<b>Framework sections .....</b>	<b>7</b>
<b>6.2.1</b>	<b>Framework Section 1: Outcomes .....</b>	<b>7</b>
<b>6.2.2</b>	<b>Framework Section 2: Controls .....</b>	<b>8</b>
<b>6.2.3</b>	<b>Framework Section 3: Input .....</b>	<b>8</b>
<b>6.3</b>	<b>Extensions .....</b>	<b>8</b>
<b>6.4</b>	<b>Clause structure .....</b>	<b>9</b>
<b>6.4.1</b>	<b>Overall .....</b>	<b>9</b>
<b>6.4.2</b>	<b>Title .....</b>	<b>9</b>
<b>6.4.3</b>	<b>Applicability .....</b>	<b>10</b>
<b>6.4.4</b>	<b>Selection .....</b>	<b>10</b>
<b>6.4.5</b>	<b>Exception .....</b>	<b>10</b>
<b>6.4.6</b>	<b>Requirement .....</b>	<b>10</b>
<b>6.4.7</b>	<b>Complex metrics .....</b>	<b>10</b>
<b>6.4.8</b>	<b>Notes .....</b>	<b>10</b>
<b>Annex A (informative)</b>	<b>Clause ordering .....</b>	<b>11</b>
<b>Annex B (informative)</b>	<b>BIM implementation specification examples .....</b>	<b>14</b>
<b>Bibliography .....</b>		<b>22</b>