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**Geographic information —  
Metadata —**

**Part 1:  
Fundamentals**

**AMENDMENT 2**

*Information géographique — Métadonnées —*

*Partie 1: Principes de base*

*AMENDEMENT 2*





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CH-1214 Vernier, Geneva  
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# Geographic information — Metadata —

## Part 1: Fundamentals

### AMENDMENT 2

#### *Normative references*

Replace the following normative references:

ISO 19111:2007, *Geographic information — Spatial referencing by coordinates*

ISO 19111-2:2009, *Geographic information — Spatial referencing by coordinates — Part 2: Extension for parametric values*

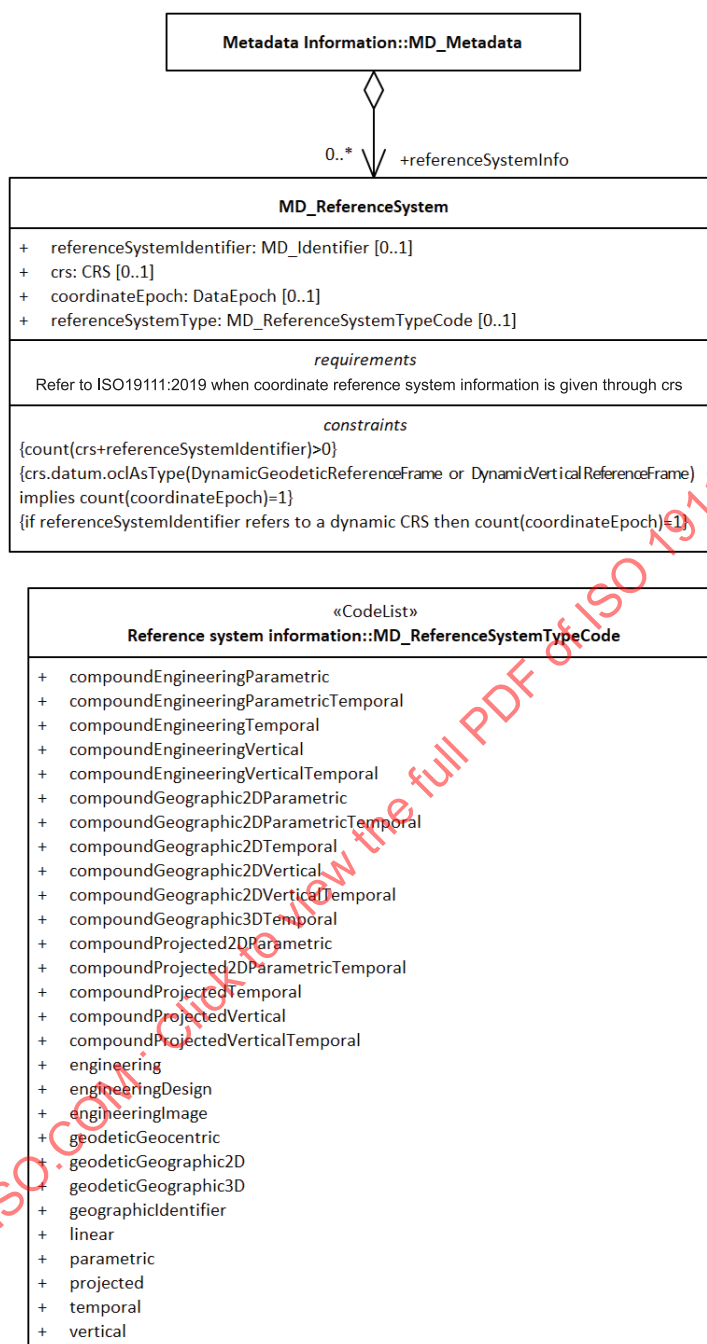
with:

ISO 19111, *Geographic information — Referencing by coordinates*

Replace all references to ISO 19111:2007 and ISO 19111-2:2009 throughout the document with ISO 19111.

Figure 12

Replace [Figure 12](#) with the following figure:



**Figure 12 — Reference system information classes**

*B.1, Table B.8*

Replace [Table B.8](#) with the following:

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Table B.8 — Reference system information (includes identifier and type)

|      | Name / Role Name          | Definition                                                                                             | Obligation / Condition                                            | Maximum occurrence                             | Data type                      | Domain                              |
|------|---------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------|--------------------------------|-------------------------------------|
| 179  | MD_ReferenceSystem        | information about the reference system                                                                 | Use obligation / condition from referencing object                | Use maximum occurrence from referencing object | Aggregated class (MD_Metadata) | Lines 180-181                       |
| 180  | referenceSystemIdentifier | identifier and codespace for reference system<br>EXAMPLE: EPSG::4326                                   | C / At least one of referenceSystemIdentifier or crs is required. | 1                                              | Class                          | MD_Identifier (Table B.17.2)        |
| 180a | crs                       | full description of the coordinate reference system to which a coordinate set is referenced            | C / At least one of referenceSystemIdentifier or crs is required. | 1                                              | Class                          | CRS (B.2.10)                        |
| 180b | coordinateEpoch           | epoch to which coordinates in a dynamic coordinate reference system are referenced<br>EXAMPLE: 2019.71 | C / Required if the CRS is dynamic.                               | 1                                              | Class                          | DataEpoch (B.2.10)                  |
| 181  | referenceSystemType       | type of reference system used<br>EXAMPLE: compoundGeographic2DParameteric                              | 0                                                                 | 1                                              | Class                          | MD_ReferenceSystemTypeCode (B.3.26) |

NOTE: The UML model for this table is shown in [Figure 12](#).