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AMENDMENT 2
2020-11

Geographic information — Metadata —

Part 1: Fundamentals

AMENDMENT 2

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AMENDEMENT 2
ISO 19115-1:2014/Amd 2:2020

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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* **STANDARD REVIEW**
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Replace all references to ISO 19111:2007 and ISO 19111-2:2009 throughout the document with
[ISO 19115-1:2014/Amd 2:2020](#)

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Figure 12

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

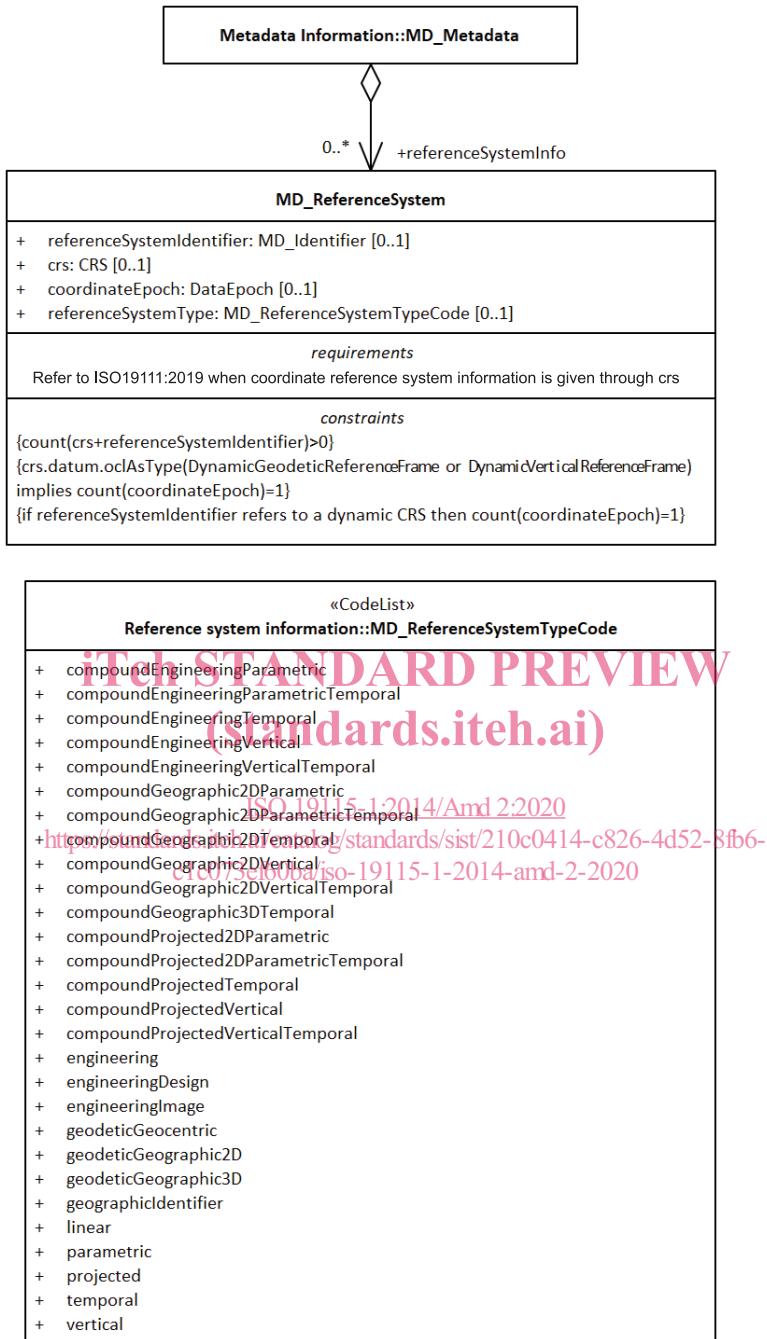


Figure 12 — Reference system information classes

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
	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
179	referenceSystemIdentifier	identifier and codespace for reference system EXAMPLE: EPSG:4326	C / At least one of referenceSystemIdentifier or crs is required.	1	Class	MD_Identifier (Table B.17.2)
180	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)
180a	coordinateEpoch	epoch to which coordinates in a dynamic coordinate reference system are referenced EXAMPLE: 2019.71	C / Required if the CRS is dynamic.	1	Class	DataEpoch (B.2.10)
181	referenceSystemType	type of reference system used EXAMPLE: compoundGeographic2DParametric	ISO 19115-1:2014/Amd 2:2020 standards.iteh.ai/catalog/standards/sist/210c0414-c826-4d52-8fb6-c1c073ef60ba/iso-19115-1-2014-amd-2-2020	0..1	Class	MD_ReferenceSystemTypeCode (B.3.26)

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

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B.2

Insert the following new subclause, B.2.10 Reference system information, after B.2.9:

B.2.10 Reference system information

DataEpoch: This class is documented in full in ISO 19111:2019, Clause 7

CRS: This class is documented in full in ISO 19111:2019, Clauses 8 to 11.

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