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AMENDMENT 1
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Geographic information — Metadata —

Part 2: Extensions for acquisition and processing

AMENDMENT 1

Information géographique — Métadonnées —

Partie 2: Extensions pour l'acquisition et le traitement

AMENDEMENT 1

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This document was prepared by Technical Committee ISO/TC 211, *Geographic information/Geomatics,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 287, *Geographic Information,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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Geographic information — Metadata —

Part 2:
Extensions for acquisition and processing

AMENDMENT 1

B.2, Table B.4

Replace Table B.4 with the following:

Table B.4 — Instrument identification

	Name	Definition	Obligation	Maximum occurrence	Data type	Domain
19.	MI_Instrument	characteristics of the measuring instrument	Use obligation from referencing object	Use maximum occurrence from referencing object	Aggregated Class (MI_Platform)	Lines 20 to 28
20.	citation	complete citation of the instrument	O	N	Class	< <DataType> > CI_Citation (ISO 19115-1:2014, Table B.16)
21.	identifier	unique identification of the instrument	M	1	Class	< <DataType> > MD_Identifier (ISO 19115-1:2014, Table B.17.2)
22.	type	name of the type of instrument Examples: framing, line-scan, push-broom, pan-frame	M	1	CharacterString	Free text
23.	description	textual description of the instrument	O	1	CharacterString	Free text
24.	otherProperty	instance of other property type not included in MI_Instrument	C/ otherPropertyType exists	1	Class	Record (ISO 19103)
25.	otherPropertyType	type of other property description	C/otherProperty exists	1	Class	RecordType (ISO 19103)
26.	*Role name:* mountedOn	platform on which the instrument is mounted	O	1	Association	MI_Platform (Table B.9)
27.	*Role name:* sensor	instrument has a sensor	O	N	Association	MI_Sensor (Table B.4)
28.	*Role name:* history	list of events associated with instrument	O	N	Association	MI_InstrumentationEventList (Table B.13)
NOTE The UML model for this table is shown in Figure 3.						

Table B.4 *(continued)*

	Name	Definition	Obligation	Maximum occurrence	Data type	Domain
29.	MI_Sensor	specific type of instrument	Use obligation from referencing object	Use maximum occurrence from referencing object	Specified class (MI_Instrument)	Line 20–28 and 30
30.	*Role name:* hosted	instrument on which the sensor is hosted	O	N	Association	MI_Instrument (Table B.4)
NOTE The UML model for this table is shown in Figure 3.						

B.2, Table B.9

Replace Table B.9 with the following:

Table B.9 — Platform identification

	Name	Definition	Obligation	Maximum occurrence	Data type	Domain
69.	MI_Platform	designation of the platform used to acquire the data set	Use obligation from referencing object	Use maximum occurrence from referencing object	Aggregated Class (MI_Acquisition Information, MI_Operation)	Lines 70 to 76
70.	citation	source where information about the platform is described	O	1	Class	< <DataType> > CI_Citation (ISO 19115-1:2014, Table B.16)
71.	identifier	unique identification of the platform	M	1	Class	< <DataType> > MD_Identifier (ISO 19115-1:2014, Table B.17.2)
72.	description	narrative description of the platform supporting the instrument	M	1	CharacterString	Free text
73.	sponsor	organization responsible for building, launch, or operation of the platform	O	N	Class	< <DataType> > CI_Responsibility (ISO 19115-1:2014, Table 16.1)
74.	otherProperty	instance of other property type not included in MI_Sensor	O	1	Class	Record (ISO 19103)
75.	otherPropertyType	type of other property description	O	1	Class	RecordType (ISO 19103)
76.	*Role name:* instrument	instrument(s) mounted on a platform	M	N	Association	MI_Instrument (Table B.4)
76.1	*Role name:* history	list of events affecting a platform	O	N	Association	MI_InstrumentationEventList (Table B.13)

B.2, Table B.18

Replace Table B.18 with the following:

Table B.18 — Processing

	Name	Definition	Obligation	Maximum occurrence	Data type	Domain
115.	LE_Processing	comprehensive information about the procedure(s), process(es) and algorithm(s) applied in the process step	Use obligation from referencing object	Use maximum occurrence from referencing object	Aggregated Class (LE_ProcessStep)	Lines 116 to 123
116.	identifier	information to identify the processing package that produced the data	M	1	Class	< <DataType> > MD_Identifier (ISO 19115-1:2014, Table B.17.2)
117.	softwareReference	reference to document describing processing software	O	N	Class	< <DataType> > CI_Citation (ISO 19115-1:2014, Table B.16)
118.	procedureDescription	additional details about the processing procedures	O	1	CharacterString	Free text
119.	documentation	reference to documentation describing the processing	O	N	Class	< <DataType> > CI_Citation (ISO 19115-1:2014, Table B.16)
120.	runTimeParameters	parameters to control the processing operations, entered at run time	O	1	CharacterString	Free text
121.	otherProperty	instance of other property type not included in processing	O	1	Class	Record (ISO 19103)
122.	otherPropertyType	type of other property description	O	1	Class	RecordType (ISO 19103)
123.	*Role name:* algorithm	details of the methodology by which geographic information was derived from the instrument readings	O	N	Association	LE_Algorithm (Table B.16)
123.1	*Role name:* parameter	parameter(s) used in a process	O	N	Association	LE_ProcessParameter (Table B.19)
NOTE The UML model for this table is shown in Figure 4.						

B.3, Table B.32

Replace Table B.32 with the following:

Table B.32 — MI_EventTypeCode < <CodeList> >

	Concept name (English)	Code	Definition
	MI_EventTypeCode		**type of event related to platform/ instrument/sensor**
1.	announcement	announcement	announcement about future events relevant to the platform/instrument/sensor
2.	calibration	calibration	calibration event for the platform/instrument/ sensor
3.	calibrationCoefficientUpdate	calibrationCoefficientUpdate	update of calibration information for the platform/instrument/sensor
4.	dataLoss	dataLoss	event related to data loss
5.	fatal	fatal	event that renders the platform/instrument/sensor unusable
6.	manoeuvre	manoeuvre	event related to a manoeuvre of the platform/instrument/sensor
7.	missingData	missingData	event related to missing data from the platform/ instrument/sensor
8.	notice	notice	notice about events related to the platform/instrument/sensor
9.	prelaunch	prelaunch	event related to prelaunch period for the platform/instrument/sensor
10.	severe	severe	event with significant impact on the performance of the platform/instrument/sensor
11.	switchOff	switchOff	event related to switching off platform/instrument/sensor
12.	switchOn	switchOn	event related to switching on platform/instrument/sensor
13.	clean	clean	event related to cleaning the platform/instrument/sensor