INTERNATIONAL STANDARD

ISO/IEC 19788-1

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Information technology — Learning, education and training — Metadata for learning resources —

Part 1: Framework

ITCH STAMENDMENTREVIEW

(standards.iteh.ai)

Technologies de l'information — Métadonnées pour ressources IS(d'apprentissage) 17/Amd 1:2014



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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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The committee responsible for this document is 150/IEC 1710-171 Information technology, Subcommittee SC 36, Information technology for learning, education and training.

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Information technology — Learning, education and training — Metadata for learning resources —

Part 1:

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AMENDMENT 1

Page 3, replace ISO/IEC 19788-1:2011, subclause 3.16 with

3.16

domain

<data element specification> resource class (3.31) whose resources (3.30) may be described by the property related to the data element specification (3.14) under consideration

NOTE The information concerning the domain of a data element specification is provided as the value of its attribute "Domain".

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Page 4, replace ISO/IEC 19788-1:2011, subclause 3.28 with

ISO/IEC 19788-1:2011/Amd 1:2014

3.28 https://standards.iteh.ai/catalog/standards/sist/bfd3d411-0834-4295-a2d2-

codomain 75f317d9449e/iso-iec-19788-1-2011-amd-1-2014

<data element specification> resource class (3.31) to which the content values (3.10) of the data element (3.11) instances of the data element specification (3.14) under consideration belong, or set of literals (3.21) comprising the string (3.35) representations of the permissible values of the data element instances of the data element specification under consideration

NOTE The information concerning the codomain of a data element specification is provided as the values of its attributes "Codomain" and "Content value rules".

Page 5, replace ISO/IEC 19788-1:2011, subclause 3.29 with

3.29

refine

<data element specification> has an associated property which is a sub-property of the property associated with

EXAMPLE 1 Property "is son of" refines property "is child of".

EXAMPLE 2 Property "has mother" refines property "has parent".

NOTE 1 Data element specification DES1 refines data element specification DES2 if the extension of the property (say p1) related to DES1 is a subset of the extension of the property (say p2) related to DES2. This condition can be expressed as "p1(x,y) implies p2(x,y)", that is "if x and y are p1-related, then x and y are p2-related".

NOTE 2 If data element specification DES1 refines data element specification DES2, then the property (or relation) associated with DES1 is said to refine the property (or relation) associated with DES2.

ISO/IEC 19788-1:2011/Amd.1:2014(E)

Page 6, in clause 4 replace

MLR-1 ISO/IEC 19788-1:2010(E), Information technology — Learning, education and training — Metadata for learning resources — Part 1: Framework (this document)

with

MLR-1 ISO/IEC 19788-1:2011(E), Information technology — Learning, education and training — Metadata for learning resources — Part 1: Framework (this document)

Page 8, in subclause 6.2 replace

• Range (data element range)

with

with

• Codomain (data element codomain)

Page 9, delete rule [R0003].

Page 9, in subclause 6.2.2.1, replace

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[R0007] Each data element property name assigned to data elements in ISO/IEC 19788 shall be unique (considering all parts of ISO/IEC 19788), although it may have multiple equivalent names in different languages.

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[R0007] In any language: For all DESs the values of the "Property name" attribute shall be unique across all DESs (from all parts of ISO/IEC 19788, all editions) with the same values for the attributes "Domain" and "Codomain".

Note: Said otherwise: In any given language, for any DES the triple (property name, domain, codomain) associated with the DES constitutes a global (within ISO/IEC 19788) appellation of the DES (the primary global identifier being provided by the DES attribute "Identifier")

Page 10, replace the title of subclause 6.2.6 with

Data element specification attribute Codomain

Page 10, in subclause 6.2.6, replace

Attribute that serves to specify the range of data elements obeying this specification.

with

Attribute that serves to specify the codomain of data elements obeying this specification.

Page 10, replace the title of subclause 6.2.6.1 with

Rule set for the attribute "Codomain"

Page 10, in subclause 6.2.7, replace

When the range of a data element is a set of literals

with

When the codomain of a data element is a set of literals

Page 10, in rule [R0016] replace

Condition: When the range of a data element

with

Condition: When the codomain of a data element

Page 10, replace [R0017] with

[R0017] The value of this attribute is a rule set.

Rules of the form indicated below are examples.

- The codomain of the data element is the set of all literals denoting values of a given datatype.
- The codomain of the data elements is the set of all literals that conform to a datatype provided in ISO/IEC 11404:2007

Page 11, in subclause 6.2.8.1, replace standards.iteh.ai)

[R0018] The obligation status of this attribute is conditional.

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Condition: If the data element specification is a refine ment of another data element specification, then a value has to be provided for this attribute 788-1-2011-amd-1-2014

with

[R0018] The obligation status of this attribute is conditional.

Condition: If the data element specification is a refinement of another data element specification from the ISO/IEC 19788 multipart Standard, then the identifier of that DES has to be provided with this attribute.

Page 12, in subclause 6.3 and 6.4, replace

Range (mandatory)

with

Codomain (mandatory)

Page 12, add the following text and rules below the table, at the end of subclause 6.3:

DES attributes are either essential or non-essential. The essential attributes being those that are essential to capture the "essence" of the DES. Two DESs are considered identical when they have the same values for their essential attributes. Minor changes that do not change the meaning are allowed, that is, they don't require the creation of a new DES.

For DESs (subclause 6.2 and 6.3), the essential attributes are:

- Identifier
- Property name

ISO/IEC 19788-1:2011/Amd.1:2014(E)

- Definition
- Linguistic indicator
- Domain
- Codomain
- Content value rules

The non-essential attributes are:

- Refines
- Example(s)
- Note(s)

Any Type 1 MLR Part or Type 2 MLR Part reusing DESs from other parts can add non-essential attributes to those.

[R0055] The value of attribute "Property name" shall be provided in French, English and Russian.

[R0056] The value of attribute "Definition" shall be provided in French, English and Russian.

Page 12, in subclause 6.4, replace

Domain (mandatory)	Learning Resource
	(ISO_IEC_19788-1:2010::RC0002)

with

Domain (mandatory)

Learning Resource
(ISO_IEC_19788-1:2011::RC0002) REVIEW

Page 12, in subclause 6.4, replace

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Refines (conditional) ISO_IEG_19788=2:2010::DES0900014

with

https://standards.iteh.ai/catalog/standards/sist/bfd3d411-0834-4295-a2d2-75f317d9449e/iso-iec-19788-1-2011-amd-1-2014

Refines (conditional) ISO_IEC_19788-2:2011::DES0900

Page 13, in subclause 7.1 replace

(3) *contentValue* is the actual information recorded as the content of the data element (its **content value**) that belongs to the **range** of the data element (as given in the data element specification);

with

(3) *contentValue* is the actual information recorded as the content of the data element (its **content value**) that belongs to the **codomain** of the data element (as given in the data element specification);

Page 13, Example 1, subclause 7.1, replace

ISO_IEC_19788-2:2010::DES0300

with

ISO_IEC_19788-2:2011::DES0100

Page 14, Example 2, 1st line of table, replace

ISO_IEC_19788-2:2010::DES0300

with

ISO IEC 19788-2:2011::DES0100 Page 14, Example 3, 1st line of table, replace ISO IEC 19788-2:2010::DES0020 with http:// standards.iso.org/iso-iec/19788/-2/ed-1/en/clause/5.1/ (or urn:iso:std:iso-iec:19788:-2:ed-1:en:clause:5.1) Page 14, Example3, transpose, in the table, the Predicate Line and the Subject Line Page 15, in subclause 8.3, 1st line of table, replace ISO IEC 19788-2:2010::RC0004 with ISO IEC 19788-99:2099::RC0099 Page 15, in subclause 8.3, 4th line of table, replace ISO_IEC_19788-2:2010::RC0001 (Learning Resource) with (standards.iteh.ai) ISO_IEC_19788-1:2011::RC0002 (Learning Resource) Page 15, in subclause 8:45th reptace hai/catalog/standards/sist/bfd3d411-0834-4295-a2d2-75f317d9449e/iso-iec-19788-1-2011-amd-1-2014 Identifier ISO IEC 19788-1:2010::RC0001 with Identifier ISO_IEC_19788-1:2011::RC0001 Page 15, in subclause 8.4.2 replace Identifier ISO IEC 19788-1:2010::RC0002 with Identifier ISO_IEC_19788-1:2011::RC0002 Page 15, in subclause 8.4.2, replace SubclassOf ISO_IEC_19788-1:2010::RC0001 (Resource) with ISO IEC 19788-1:2011::RC0001 (Resource) SubclassOf Page 16, in subclause 8.4.3, replace Identifier ISO_IEC_19788-1:2010::RC0003

with