

First edition
2011-06-15

AMENDMENT 1
2016-12-15

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

**Part 2:
Dublin Core elements**

**AMENDMENT 1: Non-literal content
value data elements**

*Technologies de l'information — Apprentissage, éducation et
formation — Métadonnées pour ressources d'apprentissage —
Partie 2: Éléments "Dublin Core"*

AMENDEMENT 1: Éléments de données à contenu non littéral



Reference number
ISO/IEC 19788-2:2011/Amd.1:2016(E)

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[ISO/IEC 19788-2:2011/Amd 1:2016](https://standards.iteh.ai/catalog/standards/sist/13cc37ed-ee2f-4001-9664-5dfb6b0bd0e4/iso-iec-19788-2-2011-amd-1-2016)

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Foreword

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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 ISO documents 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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Amendment 1 to ISO/IEC 19788-2:2011 was prepared by Joint Technical Committee ISO/IEC JTC 1, *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 2: Dublin Core elements

AMENDMENT 1: Non-literal content value data elements

Page iv, Foreword

Replace the following text:

The following parts are under preparation:

- *Part 5: Educational elements*
- *Part 6: Availability, distribution, and intellectual property elements*

Technical elements will form the subject of a future Part 4.

with the following:

- *Part 4: Technical elements* **(standards.iteh.ai)**
- *Part 5: Educational elements* [ISO/IEC 19788-2:2011/Amd 1:2016](https://standards.iteh.ai/catalog/standards/sist/13cc37ed-ee2f-4001-9664-5d1b6b0bd0c4/iso-iec-19788-2-2011-amd-1-2016)
- *Part 8: Data elements for MLR records* <https://standards.iteh.ai/catalog/standards/sist/13cc37ed-ee2f-4001-9664-5d1b6b0bd0c4/iso-iec-19788-2-2011-amd-1-2016>
- *Part 9: Data elements for persons*

The following parts are under preparation:

- *Part 7: Bindings*
- *Part 11: Migration from LOM to MLR*

Page v, Introduction

Add the following sentence at the end of paragraph 3 (“This part of ISO/IEC 19788 uses ...”)

This part of ISO/IEC 19788 provides Data Element Specifications (DESS) for data elements with literal content value (as considered in early Dublin Core) and for data elements with non-literal content value: ISO 15836 allows (implicitly) both.

Page 1, Clause 2

Replace the dated reference to ISO/IEC 19788-1:2011 by the undated reference

ISO/IEC 19788-1, *Information technology — Learning, education and training — Metadata for learning resources — Part 1: Framework*

Page 4, Clause 5

For all DESS 5.1 to 5.15, rename the DES attribute “Range” to “Codomain”.

ISO/IEC 19788-2:2011/Amd.1:2016(E)

Page 4, Subclause 5.1

Add the following to the “Note(s)” entry of the DES:

Is a subproperty of properties <http://purl.org/dc/elements/1.1/title> and <http://purl.org/dc/terms/title>

Page 5, 5.2

Add the following content to the “Refines” entry of the DES:

ISO_IEC_19788-2:2011::DES0600 (contributor)

Add the following notes to the “Note(s)” entry of the DES:

A DES with the same property name (creator), but with non-literal content value is provided; see 5.16.

Is a subproperty of property <http://purl.org/dc/elements/1.1/creator>

Page 5, 5.3

Add the following notes to the “Note(s)” entry of the DES:

A DES with the same property name (subject), but with non-literal content value is provided; see 5.17.

Is a subproperty of property <http://purl.org/dc/elements/1.1/subject>

Page 6, 5.4

Add the following notes to the “Note(s)” entry of the DES:

A DES with the same property name (description), but with non-literal content value is provided; see 5.18.

Is a subproperty of properties <http://purl.org/dc/elements/1.1/description> and <http://purl.org/dc/terms/description>

<https://standards.iteh.ai/catalog/standards/sist/13cc37ed-ee2f-4001-9664-5dfb6b0bd0e4/iso-iec-19788-2-2011-amd-1-2016>

Page 7, 5.5

Add the following notes to the “Note(s)” entry of the DES:

A DES with the same property name (publisher), but with non-literal content value is provided; see 5.19.

Is a subproperty of property <http://purl.org/dc/elements/1.1/publisher>

Page 7, 5.6

Add the following notes to the “Note(s)” entry of the DES:

A DES with the same property name (contributor), but with non-literal content value is provided; see 5.20.

Is a subproperty of property <http://purl.org/dc/elements/1.1/contributor>

Page 8, 5.7

Add the following note to the “Note(s)” entry of the DES:

Is a subproperty of properties <http://purl.org/dc/elements/1.1/date> and <http://purl.org/dc/terms/date>

Page 9, 5.8

Add the following note to the “Note(s)” entry of the DES:

Is a subproperty of property <http://purl.org/dc/elements/1.1/type>

Page 9, 5.9

Add the following note to the “Note(s)” entry of the DES:

Is a subproperty of property <http://purl.org/dc/elements/1.1/format>

Page 10, 5.10

Add the following note to the “Note(s)” entry of the DES:

Is a subproperty of properties <http://purl.org/dc/elements/1.1/identifier> and <http://purl.org/dc/terms/identifier>

Page 11, 5.11

Add the following content to the “Refines” entry of the DES:

ISO_IEC_19788-2:2011::DES1300 (relation)

Add the following notes to the “Note(s)” entry of the DES:

A DES with the same property name (source), but with non-literal content value is provided; see 5.21.

Is a subproperty of property <http://purl.org/dc/elements/1.1/source>

Page 12, 5.12

Add the following note to the “Note(s)” entry of the DES:

Is a subproperty of property <http://purl.org/dc/elements/1.1/language>

Page 12, 5.13

Add the following notes to the “Note(s)” entry of the DES:

A DES with the same property name (relation), but with non-literal content value is provided; see 5.22.

Is a subproperty of property <http://purl.org/dc/elements/1.1/relation>

Page 13, 5.14

Add the following note to the “Note(s)” entry of the DES:

Is a subproperty of property <http://purl.org/dc/elements/1.1/coverage>

Page 14, 5.15

Add the following notes to the “Note(s)” entry of the DES:

A DES with the same property name (rights), but with non-literal content value is provided; see 5.23.

Is a subproperty of property <http://purl.org/dc/elements/1.1/rights>

Page 14, 5.15

Add the following eight subclauses after 5.15:

5.16 Creator (DES1600)

| Data element specification | |
|---------------------------------------|---------------------------------------------------------------|
| Identifier | ISO_IEC_19788-2:2011:AMD.1:2016::DES1600 |
| Data element specification attributes | |
| Property name | creator |
| Definition | entity primarily responsible for making the learning resource |
| Linguistic indicator | non-linguistic |

ISO/IEC 19788-2:2011/Amd.1:2016(E)

| | |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Domain | <i>Learning Resource</i> (ISO_IEC_19788-1:2011::RC0002) |
| Codomain | <i>Person</i> (ISO_IEC_19788-1:2011::RC0003) |
| Content value rules | N/A |
| Refines | ISO_IEC_19788-2:2011:AMD.1:2016::DES2000 (contributor) |
| Example(s) | Resource denoted by URI http://dbpedia.org/resource/Mitchel_Resnick |
| Note(s) | 1. A DES with the same property name (creator), but with literal content value is provided; see 5.2. 2. Is a subproperty of properties http://purl.org/dc/elements/1.1/creator and http://purl.org/dc/terms/creator |

5.17 Subject (DES1700)

| Data element specification | |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Identifier | ISO_IEC_19788-2:2011:AMD.1:2016::DES1700 |
| Data element specification attributes | |
| Property name | subject |
| Definition | topic of the learning resource |
| Linguistic indicator | non-linguistic |
| Domain | <i>Learning Resource</i> (ISO_IEC_19788-1:2011::RC0002) |
| Codomain | <i>Resource</i> (ISO_IEC_19788-1:2011::RC0001) |
| Content value rules | N/A |
| Refines | — |
| Example(s) | 1. Resource denoted by URI http://dbpedia.org/resource/Category:Artificial_intelligence 2. Resource denoted by URI http://id.loc.gov/authorities/subjects/sh85008180 |
| Note(s) | 1. A DES with the same property name (subject), but with literal content value is provided; see 5.3. 2. Is a subproperty of properties http://purl.org/dc/elements/1.1/subject and http://purl.org/dc/terms/subject |

5.18 Description (DES1800)

| Data element specification | |
|----------------------------------------------|------------------------------------------------------------|
| Identifier | ISO_IEC_19788-2:2011:AMD.1:2016::DES1800 |
| Data element specification attributes | |
| Property name | description |
| Definition | account of the learning resource |
| Linguistic indicator | non-linguistic |
| Domain | <i>Learning Resource</i> (ISO_IEC_19788-1:2011::RC0002) |

| | |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Codomain | <i>Resource</i> (ISO_IEC_19788-1:2011::RC0001) |
| Content value rules | N/A |
| Refines | — |
| Example(s) | 1. Resource denoted by URI http://wikipedia.org/wiki/The_Fox_and_the_Crow_(Aesop) 2. Resource denoted by URI http://dbpedia.org/page/The_Fox_and_the_Crow_(Aesop) (with, as the learning resource being described: http://dbpedia.org/resource/The_Fox_and_the_Crow_(Aesop)) |
| Note(s) | 1. A DES with the same property name (description), but with literal content value is provided; see 5.4. 2. Is a subproperty of properties http://purl.org/dc/elements/1.1/description and http://purl.org/dc/terms/description |

5.19 Publisher (DES1900)

| Data element specification | |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Identifier | ISO_IEC_19788-2:2011:AMD.1:2016::DES1900 |
| Data element specification attributes | |
| Property name | <i>publisher</i> |
| Definition | entity responsible for making the learning resource available |
| Linguistic indicator | non-linguistic |
| Domain | <i>Learning Resource</i> (ISO_IEC_19788-1:2011::RC0002) |
| Codomain | <i>Person</i> (ISO_IEC_19788-1:2011::RC0003) |
| Content value rules | N/A |
| Refines | — |
| Example(s) | Resource denoted by URI http://dbpedia.org/resource/University_of_Toronto_Press |
| Note(s) | 1. A DES with the same property name (publisher), but with literal content value is provided; see 5.5. 2. Is a subproperty of properties http://purl.org/dc/elements/1.1/publisher and http://purl.org/dc/terms/publisher |

5.20 Contributor (DES2000)

| Data element specification | |
|----------------------------------------------|----------------------------------------------------------------------|
| Identifier | ISO_IEC_19788-2:2011:AMD.1:2016::DES2000 |
| Data element specification attributes | |
| Property name | <i>contributor</i> |
| Definition | entity responsible for making contributions to the learning resource |
| Linguistic indicator | non-linguistic |