

STANDARDS AUSTRALIA

Amendment No. 1
to
AS/NZS ISO/IEC 19788.3:2013
Information technology—Learning, education and training—Metadata for learning resources
Part 3: Basic application profile

REVISED TEXT

The 2013 edition of AS ISO/IEC 19788.3 is amended as follows; the amendment(s) should be inserted in the appropriate place(s).

SUMMARY: This Amendment applies to the Front Cover, Preface, ISO/IEC 19788-3:2011/Amd1:2016.

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Front cover

In the designation under the dual number, *add* the following:

ISO/IEC 19788-3:2011/Amd.1:2016

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Preface

- 1 After first paragraph, *add* the following:

Amendment No. 1 to this Standard was prepared by the Australian members of Joint Standards Australia/Standards New Zealand Committee IT-019. As a consequence of Amendment No. 1, which is published as an Australian-only amendment, the designation of this Standard has been changed from AS/NZS ISO/IEC 19788.2:2013 to AS ISO/IEC 19788.2:2013.

- 2 *Delete* third paragraph in original text and *replace* with the following:

This Standard is identical with, and has been reproduced from ISO/IEC 19788-3:2011, *Information technology — Learning, education and training — Metadata for learning resources — Part 3: Basic application profile*, and its Amendment 1 (2016), which has been added at the end of the source text.

- 3 Fourth paragraph, Item (a), *delete* ‘this Australian/New Zealand Standard’ and *replace* with ‘this Australian Standard’.

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ISO/IEC 19788-3:2011/Amd.1:2016

After the Bibliography, *add* the following Amendment 1 (2016):

AMENDMENT 1

Page iv, Foreword

Replace the list of parts by the following:

A list of parts in the ISO 19788 series can be found on the ISO website.

Page v, Introduction

Add the following paragraph after the first paragraph of 0.2:

As allowed by the amendment to ISO/IEC 19788-1:2011, this document added a new attribute to Data Element Specifications (DESS). The attribute “Best practice(s)” has been added to provide optional informative good practice guidance.

Page 1, Clause 2

Replace the last two references by their undated versions:

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

ISO/IEC 19788-2, *Information technology — Information technology — Metadata for learning resources — Part 2: Dublin Core elements*

Page 3, Clause 5

Replace the table by the following.

Application profile specification	
Application profile Identifier (AP_Identifier)	ISO_IEC_19788-3:2011:AMD.1:2016::AP0002
Name (ISO English)	MLR Basic Application Profile (v2)
Description	MLR entry level element set, based on Dublin Core
Underlying data element group specification	ISO_IEC_19788-3:2011:AMD.1:2016::DEGS0002

Replace the first table by the following.

Data element group specification						
Identifier (DEGS_Identifier)		ISO_IEC_19788-3:2011:AMD.1:2016::DEGS0002				
Name (ISO English)		MLR Basic data element group specification (v2)				
Description		MLR entry level element set designed to provide basic interoperability among catalogues or repositories				
Position	DES_Identifier/ DEGS_Identifier	Name (ISO English)	Presence type indicator	Repeatability indicator	Order indicator	Order semantic
(01)	(02)	(03)	(04)	(05)	(06)	(07)
1	ISO_IEC_19788-3:2011:AMD.1:2016::DEGS0003	Learning resources DEGS	mandatory	non-repeatable	—	—
2	ISO_IEC_19788-3:2011:AMD.1:2016::DEGS0004	Persons DEGS	mandatory	non-repeatable	—	—

Remove the following footnote.

While this edition of the MLR Basic application profile is based on ISO/IEC 19788-2:2011, further editions are likely to include data elements from other parts.

Delete the Conditions Table.

Replace “N/A” by the following subclauses (6.2.1 and 6.2.2).

6.2.1 Learning resources data element group specification

Data element group specification						
Identifier (DEGS_Identifier)		ISO_IEC_19788-3:2011:AMD.1:2016::DEGS0003				
Name (ISO English)		Learning resources DEGS				
Description		MLR entry level element set designed to provide basic description of <i>Learning Resource</i> resource class instances.				
Position	DES_Identifier/ DEGS_Identifier	Name (ISO English)	Presence type indicator	Repeatability indicator	Order indicator	Order semantic
(01)	(02)	(03)	(04)	(05)	(06)	(07)
1	ISO_IEC_19788-2:2011::DES0100	title	conditional C0001	repeatable	unordered	—
2	ISO_IEC_19788-2:2011::DES0200	creator	conditional C0002	repeatable	ordered	entities listed by importance of contributions, primary entity first
3	ISO_IEC_19788-2:2011::DES0300	subject	conditional C0001	repeatable	unordered	—

4	ISO_IEC_19788-2: 2011::DES0400	description	conditional C0001	repeatable	unordered	—
5	ISO_IEC_19788-2: 2011::DES0500	publisher	conditional C0002	repeatable	unordered	—
6	ISO_IEC_19788-2: 2011::DES0600	contributor	conditional C0002	repeatable	ordered	entities listed by importance of contributions, primary enti- ty first
7	ISO_IEC_19788-2: 2011::DES0700	date	optional	repeatable	unordered	—
8	ISO_IEC_19788-2: 2011::DES0800	type	optional	repeatable	unordered	—
9	ISO_IEC_19788-2: 2011::DES0900	format	optional	repeatable	unordered	—
10	ISO_IEC_19788-2: 2011::DES1000	identifier	mandatory	repeatable	unordered	—
11	ISO_IEC_19788-2: 2011::DES1100	source	optional	repeatable	unordered	—
12	ISO_IEC_19788-2: 2011::DES1200	language	optional	repeatable	unordered	—
13	ISO_IEC_19788-2: 2011::DES1300	relation	optional	repeatable	unordered	—
14	ISO_IEC_19788-2: 2011::DES1400	coverage	optional	repeatable	unordered	—
15	ISO_IEC_19788-2: 2011::DES1500	rights	conditional C0003	repeatable	unordered	—
16	ISO_IEC_19788-2: 2011:AMD.1:2016:: DES1600	creator	conditional C0002	repeatable	ordered	entities listed by importance of contributions, primary enti- ty first
17	ISO_IEC_19788-2: 2011:AMD.1:2016:: DES1700	subject	conditional C0001	repeatable	unordered	—
18	ISO_IEC_19788-2: 2011:AMD.1:2016:: DES1800	description	conditional C0001	repeatable	unordered	—
19	ISO_IEC_19788-2: 2011:AMD.1:2016:: DES1900	publisher	conditional C0002	repeatable	unordered	—
20	ISO_IEC_19788-2: 2011:AMD.1:2016:: DES2000	contributor	conditional C0002	repeatable	ordered	entities listed by importance of contributions, primary enti- ty first
21	ISO_IEC_19788-2: 2011:AMD.1:2016:: DES2100	source	optional	repeatable	unordered	—

22	ISO_IEC_19788-2:2011:AMD.1:2016::DES2200	relation	optional	repeatable	unordered	—
23	ISO_IEC_19788-2:2011:AMD.1:2016::DES2300	rights	conditional C0003	repeatable	unordered	—
24	ISO_IEC_19788-3:2011:AMD.1:2016::DES0101	date and time	optional	repeatable	unordered	—
25	ISO_IEC_19788-3:2011:AMD.1:2016::DES0201	time interval	optional	repeatable	unordered	—
26	ISO_IEC_19788-3:2011:AMD.1:2016::DES0301	content type	optional	repeatable	unordered	—
27	ISO_IEC_19788-3:2011:AMD.1:2016::DES0401	calendar date	optional	repeatable	unordered	—

Conditions table

Code ID	Conditions
C0001	A value shall be provided for at least one of these properties: ISO_IEC_19788-2:2011::DES0100 (title), ISO_IEC_19788-2:2011::DES0300 (subject), ISO_IEC_19788-2:2011:AMD.1:2016::DES1700 (subject), ISO_IEC_19788-2:2011::DES0400 (description) or ISO_IEC_19788-2:2011:AMD.1:2016::DES1800 (description).
C0002	<p>A value shall be provided for at least one of these properties: ISO_IEC_19788-2:2011::DES0200 (creator), ISO_IEC_19788-2:2011:AMD.1:2016::DES1600 (creator), ISO_IEC_19788-2:2011::DES0500 (publisher), ISO_IEC_19788-2:2011:AMD.1:2016::DES1900 (publisher), ISO_IEC_19788-2:2011::DES0600 (contributor) or ISO_IEC_19788-2:2011:AMD.1:2016::DES2000 (contributor).</p> <p>A MLR record conforming to this application profile cannot use both properties ISO_IEC_19788-2:2011::DES0200 (creator), ISO_IEC_19788-2:2011:AMD.1:2016::DES1600 (creator).</p> <p>A MLR record conforming to this application profile cannot use both properties ISO_IEC_19788-2:2011::DES0600 (contributor), ISO_IEC_19788-2:2011:AMD.1:2016::DES2000 (contributor).</p>
C0003	A value shall be provided for at least one of these properties: ISO_IEC_19788-2:2011::DES1500 (rights) or ISO_IEC_19788-2:2011:AMD.1:2016::DES2300 (rights).

6.2.2 Persons data element group specification

Data element group specification						
Identifier (DEGS_Identifier)		ISO_IEC_19788-3:2011:AMD.1:2016::DEGS0004				
Name (ISO English)		Persons DEGS				
Description		MLR entry level element set designed to provide basic description of <i>Person</i> resource class instances.				
Position	DES_Identifier/DEGS_Identifier	Name (ISO English)	Presence type indicator	Repeatability indicator	Order indicator	Order semantic
(01)	(02)	(03)	(04)	(05)	(06)	(07)
1	ISO_IEC_19788-9:2015::DES0200	name	mandatory	repeatable	unordered	—

Replace the entire content of Clause 7 with the following.

7.1 Title (MLR-2/DES0100)

Data element specification	
Identifier	ISO_IEC_19788-2:2011::DES0100
Data element attributes	
Property name	title
Definition	name given to the learning resource
Linguistic indicator	linguistic
Domain	<i>Learning Resource</i> (ISO_IEC_19788-1:2011::RC0002)
Codomain	<i>literal</i>
Content value rules	MLR String (ISO_IEC_19788-1:2011::PRS0001)
Refines	—
Example(s)	1. 金葉和歌集 (Japanese) 2. Collection of Golden Leaves (English)
Note(s)	1. The set of values of data elements conforming to this DES is a subset of the values of the element <i>title</i> described in ISO 15836:2009, Table 1. 2. More specific than properties http://purl.org/dc/elements/1.1/title and http://purl.org/dc/terms/title
Best practice(s)	—

7.2 Creator (MLR-2/DES0200)

Data element specification	
Identifier	ISO_IEC_19788-2:2011::DES0200
Data element attributes	
Property name	creator
Definition	entity primarily responsible for making the learning resource
Linguistic indicator	linguistic
Domain	<i>Learning Resource</i> (ISO_IEC_19788-1:2011::RC0002)
Codomain	<i>literal</i>
Content value rules	MLR String (ISO_IEC_19788-1:2011::PRS0001)
Refines	ISO_IEC_19788-2:2011::DES0600 (contributor)

Example(s)	John Doe (English)
Note(s)	<p>1. The set of values of data elements conforming to this DES is a subset of the values of the element <i>creator</i> described in ISO 15836:2009, Table 1.</p> <p>2. Examples of creator include a natural person, an organization, or a service. Typically, the name of the creator should be used to indicate the entity.</p> <p>3. A DES with the same property name (creator), but with non-literal content value, is also provided. See 7.16.</p> <p>4. More specific than property http://purl.org/dc/elements/1.1/creator</p>
Best practice(s)	Best practice recommends the use of ISO_IEC_19788-2:2011:AMD.1:2016::DES1600 (creator) instead of ISO_IEC_19788-2:2011::DES0200 (creator)

7.3 Subject (MLR-2/DES0300)

Data element specification	
Identifier	ISO_IEC_19788-2:2011::DES0300
Data element attributes	
Property name	subject
Definition	topic of the learning resource
Linguistic indicator	linguistic
Domain	<i>Learning Resource</i> (ISO_IEC_19788-1:2011::RC0002)
Codomain	<i>literal</i>
Content value rules	MLR String (ISO_IEC_19788-1:2011::PRS0001)
Refines	—
Example(s)	Creutzfeldt-Jakob disease (English)
Note(s)	<p>1. The set of values of data elements conforming to this DES is a subset of the values of the element <i>subject</i> described in ISO 15836:2009, Table 1.</p> <p>2. To describe the spatial or temporal topic of the learning resource, use the ISO_IEC_19788-2:2011::DES1400 (coverage) element.</p> <p>3. The content value of element instances of this data element specification is a keyword or a keyword index from a classification or a controlled vocabulary.</p> <p>4. A DES with the same property name (subject), but with non-literal content value, is also provided. See 7.17.</p> <p>5. More specific than property http://purl.org/dc/elements/1.1/subject</p>
Best practice(s)	—

7.4 Description (MLR-2/DES0400)

Data element specification	
Identifier	ISO_IEC_19788-2:2011::DES0400
Data element attributes	
Property name	description
Definition	account of the learning resource
Linguistic indicator	linguistic
Domain	<i>Learning Resource</i> (ISO_IEC_19788-1:2011::RC0002)

Codomain	<i>literal</i>
Content value rules	<i>MLR String</i> (ISO_IEC_19788-1:2011::PRS0001)
Refines	—
Example(s)	This Java applet shows a car moving with constant acceleration. The green control panel contains text fields where you can vary the values of initial position, initial velocity and acceleration. (English)
Note(s)	<p>1. The set of values of data elements conforming to this DES is a subset of the values of the element <i>description</i> described in ISO 15836:2009, Table 1.</p> <p>2. Description may include, but is not limited to, an abstract, a table of contents, a graphical representation, or a free-text account of the learning resource.</p> <p>3. The description is a statement of the essential content in the learning resource.</p> <p>4. A DES with the same property name (description), but with non-literal content value, is also provided. See 7.18.</p> <p>5. More specific than properties http://purl.org/dc/elements/1.1/description and http://purl.org/dc/terms/description</p>
Best practice(s)	—

7.5 Publisher (MLR-2/DES0500)

Data element specification	
Identifier	ISO_IEC_19788-2:2011::DES0500
Data element attributes	
Property name	<i>publisher</i>
Definition	entity responsible for making the learning resource available
Linguistic indicator	linguistic
Domain	<i>Learning Resource</i> (ISO_IEC_19788-1:2011::RC0002)
Codomain	<i>literal</i>
Content value rules	<i>MLR String</i> (ISO_IEC_19788-1:2011::PRS0001)
Refines	—
Example(s)	British Museum (English)
Note(s)	<p>1. The set of values of data elements conforming to this DES is a subset of the values of the element <i>publisher</i> described in ISO 15836:2009, Table 1.</p> <p>2. Examples of publisher include a natural person, an organization, or a service. Typically, the name of the publisher should be used to identify the entity.</p> <p>3. A DES with the same property name (publisher), but with non-literal content value, is also provided. See 7.19.</p> <p>4. More specific than http://purl.org/dc/elements/1.1/publisher</p>
Best practice(s)	Best practice recommends the use of ISO_IEC_19788-2:2011:AMD.1:2016::DES1900 (publisher) instead of ISO_IEC_19788-2:2011::DES0500 (publisher)

7.6 Contributor (MLR-2/DES0600)

Data element specification	
Identifier	ISO_IEC_19788-2:2011::DES0600
Data element attributes	
Property name	contributor
Definition	entity responsible for making contributions to the learning resource
Linguistic indicator	linguistic
Domain	<i>Learning Resource</i> (ISO_IEC_19788-1:2011::RC0002)
Codomain	<i>literal</i>
Content value rules	MLR String (ISO_IEC_19788-1:2011::PRS0001)
Refines	—
Example(s)	John Smith (English)
Note(s)	<p>1. The set of values of data elements conforming to this DES is a subset of the values of the element <i>contributor</i> described in ISO 15836:2009, Table 1.</p> <p>2. Examples of a contributor include a natural person, an organization, or a service. Typically, the name of the contributor should be used to indicate the entity.</p> <p>3. A DES with the same property name (contributor), but with non-literal content value, is also provided. See 7.20.</p> <p>4. More specific than property http://purl.org/dc/elements/1.1/contributor</p>
Best practice(s)	Best practice recommends the use of ISO_IEC_19788-2:2011:AMD.1:2016::DES2000 (contributor) instead of ISO_IEC_19788-2:2011::DES0600 (contributor)

7.7 Date (MLR-2/DES0700)

Data element specification	
Identifier	ISO_IEC_19788-2:2011::DES0700
Data element attributes	
Property name	date
Definition	point or period of time associated with an event in the lifecycle of the learning resource
Linguistic indicator	non-linguistic
Domain	<i>Learning Resource</i> (ISO_IEC_19788-1:2011::RC0002)
Codomain	<i>literal</i>
Content value rules	MLR String (ISO_IEC_19788-1:2011::PRS0001)
Refines	—