INTERNATIONAL STANDARD

ISO/IEC 19788-9

First edition
2015-11-15

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

Part 9: Data elements for persons

Technologie de l'information — Apprentissage, éducation et formation — Métadonnées pour ressources d'apprentissage —

Partie 9: Éléments de données pour les personnes

Reference number
ISO/IEC 19788-9:2015(E)

© ISO/IEC 2015



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2015, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

Foreword ..... **v**

Introduction ..... **vi**

1 Scope **1**
1.1 Scope of MLR International Standard 1
1.2 Scope of this part of ISO/IEC 19788 — Data elements for persons 1
1.3 Exclusions 1

2 Normative references **1**

3 Terms and definitions **2**

4 Symbols and abbreviated terms **2**

5 Data element specifications **2**
5.1 Identifier (DES0100) 2
5.2 Name (DES0200) 3
5.3 Family Name (DES0300) 3
5.4 Given Name (DES0400) 4
5.5 Contact Information (DES0500) 4
5.6 vCard Text (DES0600) 5
5.7 Email Address (DES0700) 5
5.8 Affiliation (DES0800) 6
5.9 Geolocation (DES0900) 6
5.10 Latitude (DES1000) 6
5.11 Longitude (DES1100) 7
5.12 Has Communication Account (DES1200) 8
5.13 Service Provided (DES1300) 8
5.14 VoIP ID (DES1400) 9
5.15 Social Network Name (DES1500) 9
5.16 Social Network ID (DES1600) 10
5.17 Phone Type (DES1700) 10
5.18 Phone Number (DES1800) 11

6 Resource Classes **11**
6.1 Resource classes from ISO/IEC 19788-1 and other parts 11
6.2 Resource classes defined in this part of ISO/IEC 19788 11
6.2.1 Resource class “Natural Person” 11
6.2.2 Resource class “Organization” 11
6.2.3 Resource class “Geographic Point” 12
6.2.4 Resource class “Communication Account” 12
6.2.5 Resource class “VoIP Account” 12
6.2.6 Resource class “Social Network Account” 12
6.2.7 Resource class “Telephone Account” 12
6.2.8 Resource class “VCard” 13

7 Predefined rule sets **13**
7.1 Predefined rule sets from ISO/IEC 19788-1 and other parts 13
7.2 Rule sets defined in this part of ISO/IEC 19788 13

8 Predefined Data Element Group Specifications (DEGS) **13**
8.1 Location Data Element Group Specification 13

Annex A (normative) **MLR vocabularies** **14**

Annex B (normative) **Language equivalents: English, French and Russian** **15**

Annex C (normative) **XML Names: English, French and Russian** **17**

Annex D (normative) **Data Element Specification (DES) diagram** **19**

Annex E (informative) **Crosswalk to MLR** **20**

© ISO/IEC 2015 – All rights reserved

Bibliography **23**

 © ISO/IEC 2015 – All rights reserved

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/IEC JTC 1, *Information technology*, Subcommittee SC 36, *Information technology for learning, education and training.*

ISO/IEC 19788 consists of the following parts, under the general title *Information technology — Learning, education and training — Metadata for learning resources:*

— *Part 1: Framework*

— *Part 2: Dublin Core elements*

— *Part 3: Basic application profile*

— *Part 4: Technical elements*

— *Part 5: Educational elements*

— *Part 8: Data elements for MLR records*

The following parts are under preparation:

— *Part 7: Bindings*

— *Part 9: Data elements for persons*

— *Part 11: Migration from the LOM to MLR*

© ISO/IEC 2015 – All rights reserved

Introduction

The primary purpose of ISO/IEC 19788 is to facilitate (1) the description of a learning resource by providing a standards-based approach to the identification and specification of the metadata elements required to describe a learning resource, e.g. as a metadata learning resource (MLR) record, and (2) the search, discovery, acquisition, evaluation, and use of learning resources, for instance, by learners, instructors or automated software processes.

This International Standard is modularly structured with all subsequent parts corresponding to a specified set of user requirements for the identification and specification of metadata elements having a particular focus and intended use in the description of a learning resource. This includes categories of metadata elements focused on technical perspectives, pedagogical aspects, availability and intellectual property aspects, bindings, etc.

This part of ISO/IEC 19788 uses the data element specification model and framework provided in ISO/IEC 19788-1 to specify data elements for the description of persons (individual or organization). Persons here are entities that need description because they are related to a learning resource (e.g. they created or contributed to the learning resource). Data elements specified in this part of ISO/IEC 19788 can provide, for example, the given name, family name and email address of such a person contributing to the learning resource under description.

© ISO/IEC 2015 – All rights reserved

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

Part 9: Data elements for persons

1 Scope

1.1 Scope of MLR International Standard

The primary purpose of this International Standard is to specify metadata elements and their attributes for the description of learning resources. This includes the rules governing the identification of data elements and the specification of their attributes.

This International Standard provides data elements for the description of learning resources and resources directly related to learning resources.

This International Standard provides principles, rules and structures for the specification of the description of a learning resource; it identifies and specifies the attributes of a data element, as well as the rules governing their use. The key principles stated in ISO/IEC 19788-1 are informed by a user requirements-driven context with the aim of supporting multilingual and cultural adaptability requirements from a global perspective.

ISO/IEC 19788-1 is information technology neutral and defines a set of common approaches, i.e. methodologies and constructs, which apply to the development of the subsequent parts of ISO/IEC 19788.

1.2 Scope of this part of ISO/IEC 19788 — Data elements for persons

This part of ISO/IEC 19788 provides data elements for the description of persons (individual or organization) that are related to the description of a learning resource.

These elements can later be combined with other descriptive elements from other type 1 parts of ISO/IEC 19788 or other standards to provide the description of a learning resource and of related entities needed for that description.

1.3 Exclusions

Excluded from the scope of this part of ISO/IEC 19788 are descriptive elements of a person as a learning resource. The provision of descriptive elements of a person as a learning resource might be addressed in another (future) part of ISO/IEC 19788.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6709:2008, *Standard representation of geographic point location by coordinates*

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

© ISO/IEC 2015 – All rights reserved

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 19788-1 and the following apply.

3.1
document
piece of written, printed, or electronic matter that provides information

[SOURCE: Adapted from the Oxford English Dictionary]

3.2
vCard
document (3.1) that provides contact information about a person (individual or organization) and that is conformant with the vCard 4.0 specification (IETF RFC6350) or earlier vCard 3.0 or vCard 2.1 specifications

Note 1 to entry: IETF RFC 6350 is available as http://tools.ietf.org/pdf/rfc6350.pdf.

Note 2 to entry: All conformant vCards contains a value for the VERSION property.

4 Symbols and abbreviated terms

DEGS Data Element Group Specification

DES Data Element Specification

FOAF Friend of a Friend

GPS Global Positioning System

IRM International Reference Meridian

PRS Predefined Rule Set

RC Resource Class

URI Uniform Resource Identifier

WGS World Geodetic System

5 Data element specifications

5.1 Identifier (DES0100)

Data element specification	
Identifier	ISO_IEC_19788-9:2015::DES0100
Data element specification attributes	
Property name	identifier
Definition	alphanumeric string uniquely associated with a person (individual or organization) that serves to differentiate that person from other persons within a referenced identification schema
Linguistic indicator	linguistic
Domain	*Person* (ISO_IEC_19788-1:2011::RC0003)

© ISO/IEC 2015 – All rights reserved