DIN EN ISO/IEC 19788-1:2013-03 (E)

Information technology - Learning, education and training - Metadata for learning resources - Part 1: Framework (ISO/IEC 19788-1:2011); English version EN ISO/IEC 19788-1:2012

Inhalt

Seite

Foreword 4

1 Scope 6

2 Normative references 6

3 Terms and definitions 6

4 Abbreviated terms 11

5 Principles governing the development of ISO/IEC 19788 11
5.1 A multipart standard 11
5.2 Development driven by user requirements 11
5.3 Multilingual equivalencies and multicultural requirements support 11
5.4 Support for various levels of granularity 12
5.5 Re-use of international standards and specifications 12
5.6 User extensions 12

6 Specification of MLR data elements 12
6.1 Introduction 12
6.2 Data element specification attributes 12
6.2.1 Data element specification attribute Identifier 13
6.2.2 Data element specification attribute Property name 13
6.2.3 Data element specification attribute Definition 14
6.2.4 Data element specification attribute Linguistic indicator 14
6.2.5 Data element specification attribute Domain 14
6.2.6 Data element specification attribute Range 14
6.2.7 Data element specification attribute Content value rules 15
6.2.8 Data element specification attribute Refines 15
6.2.9 Data element specification attribute Example(s) 15
6.2.10 Data element specification attribute Note(s) 15
6.3 Data element specification: Matrix template 16
6.4 A “Data element specification” example 16

7 MLR data elements 17
7.1 Data element 17

8 Resource class 18
8.1 Definition of a Resource class 18
8.2 Attributes of a Resource class 18
8.3 Example of the definition of a Resource class 18
8.4 Predefined Resource classes 19
8.4.1 Resource class 19
8.4.2 Learning resource class 19
8.4.3 Person class 19

9 Predefined rule sets 19
9.1 Introduction 19
9.2 MLR String 20
9.3 Date 20
9.4 Date & Time 21
9.5 Duration 21

10 Metadata learning resource record 21

10.1 Definition of a MLR record 21
10.2 Attributes of a MLR record 22
10.2.1 MLR record identifier component 22
10.2.2 MLR record resource component 22
10.2.3 MLR record content component 22

11 Data element groups 22
11.1 Introduction 22
11.2 Data element group 22
11.3 Data element group specification attributes 22
11.3.1 Data element group specification attribute Identifier 23
11.3.2 Data element group specification attribute Name 23
11.3.3 Data element group attribute Description 23
11.4 Specification of a data element group 24
11.4.1 Data element group specification matrix template 24
11.4.2 Example 26
11.5 Tree notation for data element group specifications 27

12 Specification of application profiles 28
12.1 Introduction 28
12.2 Application profile attributes 28
12.2.1 Application profile identifier 28
12.2.2 Application profile name 28
12.2.3 Application profile description 29
12.3 Data element specification in an application profile specification 29
12.4 Issues related to vocabularies 29
12.5 Specification of an application profile 30

13 Rules governing the management and addition of new parts of the multipart MLR 30
13.1 Introduction 30
13.2 Categorization of ISO/IEC 19788 Parts 30
13.3 Content of parts specifying data elements 31
13.4 Content of parts specifying MLR application profiles 33
13.5 Other rules 34

Annex A (informative) **Clause 3 terms and definitions: ISO French and Chinese** 35
A.1 Consolidated list of ISO/IEC 19788-1 terms and definitions in ISO French 35
A.2 Consolidated list of ISO/IEC 19788-1 terms and definitions in Chinese 43

Annex B (normative) **MLR Identifiers** 50
B.1 Extended Backus-Naur Form notation 50
B.2 Production rules for ISO/IEC 19788 identifiers 51

Annex C (informative) **Concept Maps for the MLR-1** 53

Bibliography 57

Index of Clause 3 terms and definitionsA 58