

Australian/New Zealand Standard™

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

Part 5: Educational elements



AS/NZS ISO/IEC 19788.5:2013

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Australian/New Zealand Standard™

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

Part 5: Educational elements

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee IT-019, Information and Documentation, Information Technology—Learning, Education, Training and Research.

The objective of this Standard is to specify, in a rule-based manner, metadata elements and their attributes for the description of learning resources. This includes the rules governing the identification of metadata elements and the specification of metadata attributes.

This Standard is identical with, and has been reproduced from ISO/IEC 19788-5:2012, *Information technology—Learning, education and training—Metadata for learning resources, Part 5: Educational elements*.

As this Standard is reproduced from an International Standard, the following applies:

- (a) In the source text ‘this part of ISO/IEC 19788’ should read ‘this Australian/New Zealand Standard’.
- (b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian/New Zealand Standard</i>
ISO/IEC	AS/NZS ISO/IEC
19788 Information technology—Learning, education and training—Metadata for learning resources	19788 Information technology—Learning, education and training—Metadata for learning resources
19788-1 Part 1: Framework	19788.1 Part 1: Framework
19788-2 Part 2: Dublin Core elements	19788.2 Part 2: Dublin Core elements

The term ‘informative’ has been used in this Standard to define the application of the annex to which it applies. An ‘informative’ annex is only for information and guidance.

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INTRODUCTION

0.1 Overall purpose of ISO/IEC 19788

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. The interoperability of these functions can be achieved through harvesting or federated search processes, among other technologies and solutions. ISO/IEC 19788 is based on identified user requirements.

ISO/IEC 19788 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.

0.2 Purpose and overview of ISO/IEC 19788-5

Educational elements defined in this part of ISO/IEC 19788 provide a means to describe learning resources related to their use in learning activities, their relation to curricula or programs of teaching, their relation to specific target groups, etc.

This part of ISO/IEC 19788 provides a set of data elements to describe the educational use of learning resources. In the Information Technology for Learning Education and Training (ITLET) context, resources are often used to attain a specific educational outcome that can be described in some form of educational framework, for example as part of a curriculum, lesson plan, study program, etc. Information about a resource may include a curriculum topic, often associated with a specific educational level, and sometimes with a related description of a teaching method. Moreover, the achievement of the educational outcome can also be measured or ascertained through some form of assessment.

The data elements defined in this part of ISO/IEC 19788 can be used in combination with elements from other parts of ISO/IEC 19788, and/or in combination with elements from other standards, such as ISO 15836:2009 [5], IEEE 1484.12.1-2002 [3] or other metadata schemas. Accordingly, a great number of refinements of the data elements defined in this part of ISO/IEC 19788 are under the responsibility of communities.

AUSTRALIAN/NEW ZEALAND STANDARD

**Information technology—Learning, education and training—
Metadata for learning resources****Part 5:
Educational elements****1 Scope**

ISO/IEC 19788 specifies, in a rule-based manner, metadata elements and their attributes for the description of learning resources. This includes the rules governing the identification of metadata elements and the specification of metadata attributes.

These metadata elements are used to form the description of a learning resource, i.e. as a metadata learning resource (MLR) record.

This part of ISO/IEC 19788 specifies, using the framework specified in ISO/IEC 19788-1, educational aspects of learning resources across various educational, cultural and linguistic settings.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies.

ISO 639-2:1998(E/F)¹, *Codes for the representation of names of languages — Part 2: Alpha-3 code/Codes pour la représentation des noms de langue — Partie 2: Code alpha-3*

ISO 639-3:2007(E), *Codes for the representation of names of languages — Part 3: Alpha-3 code for comprehensive coverage of languages*

ISO/IEC 10646:2011(E), *Information technology — Universal Coded Character Set (UCS)*

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

ISO/IEC 19788-2(E), *Information technology — Learning, education and training — Metadata for learning resources — Part 2: Dublin Core elements*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1**audience**

set of entities for which the **learning resource** (3.6) is intended or useful

¹ This part of ISO/IEC 19788 uses the ISO 639-2:1998 Table 4 Terminology Code set, hereafter referred to as “ISO 639-2/T” For additional information, see ISO 639-2:1998, 4.1, Form of language codes.