

Australian/New Zealand Standard™

**Information technology—Learning,  
education, and training—Content  
packaging**

**Part 2: XML binding**



## **AS/NZS ISO/IEC 12785.2:2013**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee IT-019, Information and Documentation, Information Technology—Learning, Education, Training and Research. It was approved on behalf of the Council of Standards Australia on 19 April 2013 and on behalf of the Council of Standards New Zealand on 8 April 2013.

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*This Standard was issued in draft form for comment as DR AS/NZS ISO/IEC 12785.2*

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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 objectives of this Standard are to specify how to represent the ISO/IEC 12785-2 information model in XML and detail each element binding of the content packaging XML schema.

This Standard is identical with, and has been reproduced from ISO/IEC 12785-2:2011, *Information technology—Learning, education, and training—Content packaging, Part 2: XML binding*.

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- (a) In the source text ‘this part of ISO/IEC 12785’ should read ‘this Australian/New Zealand Standard’.
- (b) A full point substitutes for a comma when referring to a decimal marker.

None of the normative references in the source document have been adopted as Australian or Australian/New Zealand Standards.

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

This part of ISO/IEC 12785 will be used as the basis for the production of the following documents:

- ISO/IEC 12785-3 (*Best practice and implementation guide*);
- Content Packaging XML XSD.<sup>1)</sup>

This part of ISO/IEC 12785 details how the ISO/IEC 12785-1 information model should be represented using XML schema. The content packaging binding is contained in two XML schemas and two vocabulary files. The vocabulary files are instances of the IMS Vocabulary Definition Exchange specification. ISO/IEC 12785-3 provides non-normative guidance on how to use the binding and information model. For a conceptual overview of ISO/IEC 12785, see ISO/IEC 12785-1. For a discussion of potential applications, see ISO/IEC 12785-3. Conformance to ISO/IEC 12785 is addressed within ISO/IEC 12785-1.

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1) This XML schema definition can be accessed from: <http://www.imsglobal.org/content/packaging/index.html>.

## AUSTRALIAN/NEW ZEALAND STANDARD

**Information technology—Learning, education, and training—  
Content packaging****Part 2:  
XML binding****1 Scope**

This part of ISO/IEC 12785 specifies how to represent the ISO/IEC 12785-1 information model in XML, and details each element binding of the content packaging XML schema.

**2 Normative references**

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

ISO/IEC 12785-1:2009, *Information technology — Learning, education, and training — Content packaging — Part 1: Information model*

**3 Terms and definitions**

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

**3.1****binding****XML data binding**

means of representing the information in an XML document

NOTE See XML data binding of Wikipedia: [http://en.wikipedia.org/wiki/XML\\_data\\_binding](http://en.wikipedia.org/wiki/XML_data_binding) (retrieved November 18, 2009).

**3.2****control file**

single computer file that governs the binding of the Content Packaging Information Model to make it suitable for machine processing

NOTE A software component can refer to a control file when assessing the validity of a bound instance of the information model or to guide the creation of a bound instance of the information model.

EXAMPLE A file containing an XML schema can be used as a control file for an XML binding of a manifest.