

Australian/New Zealand Standard™

**Geographic information—Procedures
for item registration**

Part 2: XML schema implementation



AS/NZS ISO 19135.2:2012

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee IT-004, Geographical Information/Geomatics.

The objective of this Standard is to define an XML encoding for the storage and exchange of ISO 19135-compliant registers and register items. This encoding conforms to the rules described in ISO/TS 19139 (AS/NZS ISO 19139).

This Standard is identical with, and has been reproduced from ISO/TS 19135-2:2012, *Geographic information—Procedures for item registration—Part 2: XML schema implementation*.

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

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (b) In the source text ‘this Technical Specification’ should read ‘this Australian/New Zealand Standard’.
- (c) 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		AS/NZS ISO	
19135	Geographic information—Procedures for item registration	19135	Geographic information—Procedures for item registration
ISO/TS			
19139	Geographic information—Metadata—XML schema implementation	19139	Geographic information—Metadata—XML schema implementation

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex to which they apply. A ‘normative’ annex is an integral part of a Standard, whereas an ‘informative’ annex is only for information and guidance.

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INTRODUCTION

The ISO 19135 series standardizes the procedures for the registration of geographic items. Since it does not provide any encoding for the storage and exchange of registers and register items, implementations may vary based on the interpretation of the base standard.

This Technical Specification defines an XML encoding for the storage and exchange of ISO 19135-compliant registers and register items. This encoding conforms to the rules described in ISO/TS 19139.

The encoding defined in this Technical Specification is intended to be extended to specific registers, e.g. ISO 19145¹⁾ for registers of representations of geographic point location.

1) To be published.

AUSTRALIAN/NEW ZEALAND STANDARD

Geographic information—Procedures for item registration**Part 2:
XML schema implementation****1 Scope**

This Technical Specification defines Geographic ReGister XML (grg) encoding, an XML schema implementation derived from ISO 19135.

2 Conformance

Conformance with this Technical Specification shall be checked using all the relevant tests specified in Annex A and all the relevant tests specified in Annex A of ISO/TS 19139:2007. The framework, concepts, and methodology for testing, and the criteria to be achieved to claim conformance, are specified in ISO 19105.

3 Normative references

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

ISO 19135:2005, *Geographic information — Procedures for item registration*

ISO/TS 19139:2007, *Geographic information — Metadata — XML schema implementation*

4 Terms and definitions

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

4.1**namespace**

collection of names, identified by a URI reference, which are used in XML documents as element names and attribute names

NOTE See Reference [5] in the Bibliography.

4.2**package**

general purpose mechanism for organizing elements into groups

[ISO/TS 19103:2005, 4.2.22]

5 Abbreviations

UML Unified Modelling Language

URI Unique Resource Identifier

XCT XML Class Type