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Australian/New Zealand Standard™

Geographic information—Functional standards



AS/NZS ISO 19120:2006

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION
OF
AS/NZS ISO 19120:2006
Geographic information—Functional standards

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NOTES

Australian/New Zealand Standard™

Geographic information—Functional standards

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PREFACE

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

This Standard is identical with, and has been reproduced from ISO/TR 19120:2001, *Geographic information—Functional standards*.

The objective of this Standard is to provide users with information on existing geographic information standards in use within the international community, other than local standards (eg. ANZLIC); and identifies components and elements that can be harmonized with the ISO 19100 series.

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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<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS/NZS ISO	
19101	Geographic information—Reference model	19101	Geographic information—Reference model
19105	Geographic information—Conformance and testing	19105	Geographic information—Conformance and testing
19106	Geographic information—Profiles	19106	Geographic information—Profiles
19107	Geographic information—Spatial schema	19107	Geographic information—Spatial schema
19108	Geographic information—Temporal schema	19108	Geographic information—Temporal schema
19109	Geographic information—Rules for application schema	19109	Geographic information—Rules for application schema
19110	Geographic information—Methodology for feature cataloguing	19110	Geographic information—Methodology for feature cataloguing
19111	Geographic information—Spatial referencing by coordinates	19111	Geographic information—Spatial referencing by coordinates
19112	Geographic information—Spatial referencing by geographic identifiers	19112	Geographic information—Spatial referencing by geographic identifiers
19113	Geographic information—Quality principles	19113	Geographic information—Quality principles
19114	Geographic information—Quality evaluation procedures	19114	Geographic information—Quality evaluation procedures
19115	Geographic information—Metadata	19115	Geographic information—Metadata

ISO		AS/NZS ISO	
19116	Geographic information—Positioning services	19116	Geographic information—Positioning services
19117	Geographic information—Portrayal	19117	Geographic information—Portrayal
19118	Geographic information—Encoding	19118	Geographic information—Encoding
19119	Geographic information—Services	19119	Geographic information—Services
ISO/IEC			
8211	Information technology— Specification for a data descriptive file for information interchange	3654	Information technology— Specification for a data descriptive file for information interchange
8824 (all parts)	Information technology—Abstract syntax notation one—Specification of basic notation	8824 (all parts)	Information technology—Abstract syntax notation one—Specification of basic notation
ISO/TS			
19103	Geographic information—Conceptual schema language	19103	Geographic information—Conceptual schema language

Only international references adopted as Australian or Australian/New Zealand Standards have been listed.

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INTRODUCTION

The ISO 19100 series of geographic information standards under development within ISO/TC 211 provides a framework for the development of geographic information standards. There are a number of existing functional standards in use within the international community that would seek to achieve compliance with the emerging ISO 19100 series of standards.

The availability of a common frame of reference, as provided by the ISO 19100 series, may also present an opportunity for harmonization between the functional standards to the extent that such harmonization supports the primary goal of harmonization of the functional standards with the ISO 19100 series, but harmonization between functional standards is not the subject of this report. This Technical Report seeks to identify how functional standards can be developed as profiles of the ISO 19100 series of standards and how this profiling process can promote harmonization between these functional standards.

AUSTRALIAN/NEW ZEALAND STANDARD

Geographic information — Functional standards**1 Scope**

Within the context of this Technical Report, a functional standard has been identified as an existing geographic information standard, in active use within the international community. National standards have not been considered within this report.

This Technical Report seeks to identify the components of those recognized functional standards and to identify elements that can be harmonized between these standards and with the ISO/TC 211 base standards. This Technical Report provides a starting point for a feedback cycle between the functional standards communities and the ISO 19100 series component project teams.

2 References

- ISO/IEC 8211:1994, *Information technology — Specification for a data descriptive file for information interchange*
- ISO/IEC 8824 (all parts):1998, *Information technology — Abstract Syntax Notation One (ASN.1)*
- ISO/IEC TR 10000-1:1998, *Information technology — Framework and taxonomy of International Standardized Profiles — Part 1: General principles and documentation framework*
- ISO 19101:—¹⁾, *Geographic information — Reference model*
- ISO 19102:—¹⁾, *Geographic information — Overview*
- ISO/TS 19103:—¹⁾, *Geographic information — Conceptual schema language*
- ISO 19104:—¹⁾, *Geographic information — Terminology*
- ISO 19105:2000, *Geographic information — Conformance and testing*
- ISO 19106:—¹⁾, *Geographic information — Profiles*
- ISO 19107:—¹⁾, *Geographic information — Spatial schema*
- ISO 19108:—¹⁾, *Geographic information — Temporal schema*
- ISO 19109:—¹⁾, *Geographic information — Rules for application schema*
- ISO 19110:—¹⁾, *Geographic information — Feature cataloguing methodology*
- ISO 19111:—¹⁾, *Geographic information — Spatial referencing by coordinates*
- ISO 19112:—¹⁾, *Geographic information — Spatial referencing by geographic identifiers*
- ISO 19113:—¹⁾, *Geographic information — Quality principles*
- ISO 19114:—¹⁾, *Geographic information — Quality evaluation procedures*

1) To be published.