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Geographic information—Conformance and testing

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee IT-004, Geographical Information. It was approved on behalf of the Council of Standards Australia on 29 April 2002 and on behalf of the Council of Standards New Zealand on 9 May 2002. It was published on 20 June 2002.

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Australian/New Zealand Standard™

Geographic information—Conformance and testing

First published as AS/NZS ISO 19105:2002.

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Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 4516 4

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PREFACE

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

This Standard is identical with and has been reproduced from ISO 19105:2000, *Geographic information—Conformance and testing*, one of the ISO 19100 series of Standards on geographical information.

The objective of this Standard is to provide users of the ISO 19000 series of Standards with the framework, concepts and methodology for testing and criteria to be achieved to claim conformance to those Standards.

The ISO 19100 series standardizes relevant aspects of the description and management of geographic information and geographic information services. This standardization will—

(a) increase the understanding and usage of geographic information;

(b) increase the availability, access, integration, and sharing of geographic information;

(c) promote the efficient, effective, and economic use of digital geographic information and associated hardware and software systems; and

(d) contribute to a unified approach to addressing global ecological and humanitarian problems.

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.

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

(i) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(ii) In the source text ‘this International Standard’ should read ‘this Australian/New Zealand Standard’.

(iii) A full point should be substituted for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to equivalent Australian Standards, as follows:

Reference to International Standard		*Australian Standard*	
ISO		AS	
10303	Industrial automation systems and integration—Product data representation and exchange	10303	Industrial automation systems and integration—Product data representation and exchange
10303-31	Part 31: Conformance testing methodology and framework: General concepts	10303.31	Part 31: Conformance testing methodology and framework: General concepts
19106	Geographic information—Profiles		
19113	Geographic information—Quality principles		

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Reference to International Standard		*Australian Standard*	
ISO/IEC			
9646	Information technology—Open—Systems Interconnection—Conformance testing methodology and framework		
9646-1	Part 1: General concepts.		
9646-2	Part 2: Abstract Test Suite specification		
9646-5	Part 5: Requirements on test laboratories and clients for the conformance assessment process		
10641	Information technology—Computer graphics and image processing—Conformance testing of implementations of graphics standards		
TR 13233	Information technology—Interpretation of accreditation requirements in ISO/IEC—Accreditation of Information Guide 25—Technology and Telecommuni-cations testing laboratories for software and protocol testing services		
17025	General requirements for the competence of calibration and testing laboratories	ISO/IEC 17025	General requirements for the competence of testing and calibration laboratories
	OWEN, JON. STEP An Introduction, Information Geometers, Winchester, UK, 1993		

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