



This standard provides the framework, concepts and methodology for testing and criteria to be achieved to claim conformance to ISO/TC 211 family of standards. It is based on material in ISO 9646-1, ISO 10303-31 and ISO 10641. In order to facilitate testing, all testable parts of ISO 191\*\* Family of Standards contain a conformance clause which explicitly specifies all the requirements that have to be satisfied to claim conformance to that part of the standard. The methodology specifies that products, which may be systems or datasets, shall have Implementation Conformance Statements (ICS) that identify the options given in the standards that have been implemented. Two types of conformance test are identified. Basic tests which give an initial indication of conformance which may be undertaken directly by a client prior to full capability testing. In the later case the client will also need to provide a Implementation eXtra Information for Testing (IXIT) which gives the detailed test requirements. Testing is undertaken using executable test suites (ETS) which are derived from abstract test suites (ATS). ATS identify the required generic tests without specification of the variables associated with a particular test scenario.

The standard is of particular relevance to the following sectors:

Sector	Of particular interest
Developers of GIS products	Yes
Developers of GIS application systems	Yes
Producers/ suppliers of geographic data	Yes
Users of geographic data and GIS	Yes
Developers of standards	Yes

For further information on this standard and its implementation, please contact ISO/TC 211 secretariat via [www.isotc211.org](http://www.isotc211.org).