
Geographic information — Spatial referencing by geographic identifiers

*Information géographique — Système de références spatiales par
identificateurs géographiques*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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This document was prepared by Technical Committee ISO/TC 211, *Geographic information/Geomatics*.

This second edition cancels and replaces the first edition (ISO 19112:2003), which has been technically revised.

The main changes compared to the first edition are as follows:

- revision of the conceptual schema to meet current standards and harmonise with other ISO/TC 211 standards;
- introduction of the class `LocationClass` to replace the class `SI_LocationType`;
- introduction of the class `Location` to replace the class `SI_LocationInstance`;
- introduction of the class `SpatialReferenceSystemUsingGeographicIdentifiers` to replace the class `SI_SpatialReferenceSystemUsingGeographicIdentifiers`;
- introduction of the class `Gazetteer` to replace the class `SI_Gazetteer`;
- introduction of the class `GeographicIdentifier`;
- recognition that a gazetteer is a sub-type of `Register` as defined in ISO 19135-1, and that `LocationClass` is an `ItemClass` and `Location` a `RegisterItem` in that context;
- changes to package identifiers.

The changes are elaborated in [Annex D](#).

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