

Geographic information — Core profile of the spatial schema

ICS 35.240.70

National foreword

This British Standard is the UK implementation of EN ISO 19137:2008. It is identical with ISO 19137:2007. It supersedes BS ISO 19137:2007 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee IST/36, Geographic information.

A list of organizations represented on this committee can be obtained on request to its secretary.

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30 June 2008	This corrigendum renumbers BS ISO 19137:2007 as BS EN ISO 19137:2008

English Version

Geographic information - Core profile of the spatial schema (ISO 19137:2007)

Information géographique - Profil minimal du schéma spatial (ISO 19137:2007)

Geoinformation - Kernprofil des Raumbezugsschemas (ISO 19137:2007)

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Foreword

The text of ISO 19137:2007 has been prepared by Technical Committee ISO/TC 211 “Geographic information/Geomatics” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 19137:2008 by Technical Committee CEN/TC 287 “Geographic Information” the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2008, and conflicting national standards shall be withdrawn at the latest by October 2008.

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Endorsement notice

The text of ISO 19137:2007 has been approved by CEN as a EN ISO 19137:2008 without any modification.

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Introduction

This International Standard provides a core profile of the geometry part of the spatial schema specified in ISO 19107 that is easy to understand and has a low cost of implementation. The profile is intentionally small and limited in order to increase the chance of gaining widespread market acceptance.

A simple topology package extension of the profile might be developed as a future part of this International Standard. Many user communities have requirements that go beyond the capabilities provided by this International Standard, and they may define custom profiles.

While ISO 19136 also implements a profile of ISO 19107, it is a comprehensive profile, not a core profile.

This International Standard supports data types for geometric primitives of 0, 1 and 2 dimensions. It satisfies the conformance test A.1.1.3 of ISO 19107:2003. It is in conformance class 1 of ISO 19106.

Annex A lists some specifications that were supported by this International Standard at the time of its publication. Annex B specifies an abstract test suite for determining whether an application schema or profile is conformant to the core profile. Annex C discusses how to extend the core profile. Annex D presents two examples.