Geographic information - Data product specifications

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 19131:2008 sisaldab Euroopa standardi EN ISO 19131:2008 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 20.06.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 16.04.2008.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 19131:2008 consists of the English text of the European standard EN ISO 19131:2008.

This standard is ratified with the order of Estonian Centre for Standardisation dated 20.06.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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EUROPEAN STANDARD

EN ISO 19131

NORME EUROPÉENNE EUROPÄISCHE NORM

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English Version

Geographic information - Data product specifications (ISO 19131:2007)

Information géographique - Spécifications de contenu informationnel (ISO 19131:2007)

Geoinformation - Produktspezifikationen für Geodaten (ISO 19131:2007)

This European Standard was approved by CEN on 21 March 2008.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

The text of ISO 19131:2007 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 19131:2008 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of an identical text or by endorsement, at the latest by October 2008, and conflicting national standards shall be withdrawn at the latest by October 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 19131:2007 has been approved by CEN as a EN ISO 19131:2008 without any modification.

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Introduction

A data product specification is a detailed description of a dataset or dataset series together with additional information that will enable it to be created, supplied to and used by another party. It is a precise technical description of the data product in terms of the requirements that it will or may fulfil. However, the data product specification only defines how the dataset should be. For various reasons, compromises may need to be made in the implementation. The metadata associated with the product dataset should reflect how the product dataset actually is.

A data product specification may be created and used on different occasions, by different parties and for different reasons. It may, for example, be used for the original process of collecting data as well as for products derived from already existing data. It may be created by producers to specify their product or by users to state their requirements.

The purpose of this International Standard is to provide practical help in the creation of data product specifications, in conformance with other existing standards for geographic information. An aim is to produce a complete list of the items used to specify a data product.

This International Standard makes references to parts of existing standards. Some of the items used to specify the data in a data product can also be used as metadata for a resulting dataset with the same data product.

It is not necessary for a data product specification to specify the production process, but only the resulting data product. Nevertheless, it may include production and maintenance aspects if judged necessary to describe the data product.

This International Standard describes the content and structure of a data product specification. An example of a data product specification is presented in Annex F.

When an item for a data product specification is already defined in another standard of the ISO 19100 series, a reference to that document is explicitly made.

This International Standard is intended for use by producers, providers and potential users of data products.

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Geographic information — Data product specifications

1 Scope

This International Standard describes requirements for the specification of geographic data products, based upon the concepts of other ISO 19100 International Standards. It also provides help in the creation of data product specifications, so that they are easily understood and fit for their intended purpose.

2 Conformance

Any data product specification claiming conformance with this International Standard shall pass all the requirements described in the abstract test suites in Annex A.

3 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 639-2, Code for the representation of names of languages — Part 2: Alpha-3 code

ISO/TS 19103, Geographic information — Conceptual schema language

ISO 19107, Geographic information — Spatial schema

ISO 19108, Geographic information — Temporal schema

ISO 19109:2005, Geographic information — Rules for application schema

ISO 19110, Geographic information — Methodology for feature cataloguing

ISO 19111, Geographic information — Spatial referencing by coordinates

ISO 19112, Geographic information — Spatial referencing by geographic identifiers

ISO 19113, Geographic information — Quality principles

ISO 19115, Geographic information — Metadata

ISO 19117, Geographic information — Portrayal

ISO 19123, Geographic information — Schema for coverage geometry and functions

ISO/TS 19138, Geographic information — Data quality measures

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