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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 25528-2010

Geographic information -- Data product specifications

地理信息 数据产品规范

(English Translation)

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Foreword

This standard is equivalent to ISO 19131.:2007 "Geographic Information Data Product Specification" (Geographicinformation-Data productspecifications (English version).

For ease of use, this standard has been modified as follows.

a) Preparation of this standard Implementation of GB/T 1.1-2000 "Standardization of work guidelines Part 1. Standard structure and the preparation of rules" GB/T 20000.2-2001 "Standardization Work Guide Part 2. Requirements for the adoption of international standards";

b) Replace the word "international standard" with "this standard";

c) the prerequisites for the deletion of the original international standards;

d) Replace the words "ISO 19100 series of other standards" in the introduction to "other international standards of the ISO 19100 series or related national standards" "ISO 19100 series of international standards" to "ISO 19100 series of international standards and related national standards";

e) Table D.1 adds a table note. "Note. The descriptor of this standard constraint/condition has the following values. M (mandatory), O (optional).

f) Table E.8 in line 2, the definition of the original international standard "Role. MaintenanceScope" "scopeforthedatacapturein-there is a clerical error, this standard will "data access to the scope of information" corrected "data maintenance information range";

g) Table E.10 The value of the cell named "domain" in row 1, line 2, the original international standard "seeTableE.9.1", "see TableE.9.2 "There are clerical errors, the standard will be the value of these two cells" see Table E.9.1 ", " see Table E.9.2 "were corrected to "See table E.12", "see table E.11";

h) for the convenience of our users, an increase of information Appendix G;

i) change the title "Data Product Specification Example" in Appendix F to "Data Product Specification Example 1".

Appendix A, Appendix C, Appendix F and Appendix G of this Standard are informative appendices.

This standard is proposed by the National Geographic Information Standardization Technical Committee (SAC/TC230).

The drafting unit of this standard. China Academy of Surveying and Mapping, China Geological Survey Development Research Center, National Basic Geographic Information Center.

Introduction

The data product specification is a detailed description of the dataset or dataset series and other information that applies to the dataset or dataset series.

Production, supply and other parties. The data product specification is an accurate technical description of the data product that will meet or may meet the requirements, but it only states that the dataset should meet the requirements. For various reasons, a compromise may be required during the execution. With the product data set the metadata should reflect the actual status of the product dataset.

Data product specifications may be developed and used by different parties, on different occasions, for different reasons. For example, the specification may be used the process of data acquisition may also be used to derive products from existing data. Producers may use it to regulate their own products, users can also can use it to state the request.

The purpose of this standard is to provide practical assistance in compiling data product specifications that conform to other existing geographic information standards. Its goal is Provide complete content for regulating data products.

This standard refers to some of the existing standards, for the definition of data products can also be part of the content of the data set of data use.

For data product specifications, it is only necessary to standardize the final data product without having to describe the product production process in detail. However, If necessary, specifications can also contain data production and maintenance aspects of the content.

This standard describes the contents and structure of the data product specification. Appendix F and Appendix G give examples of two data product specifications.

When an item of the data product specification has been defined in other ISO or related national standards of the ISO 19100 series, this the standard specifies the reference to the document.

This standard will be provided to producers, providers and potential users of data products.

Geographic Information Data Product Specification

1 Scope

This standard describes the requirements of the Geographic Data Product Specification on the basis of the ISO 19100 series of international standards and related national standards.

This standard provides assistance in the preparation of data product specifications, making product specifications easy to understand and achieving the intended purpose.

2 Consistency

Any data product specification that is consistent with this standard shall meet the requirements of Appendix A abstract test suite.

3 Normative references

The terms of the following documents are hereby incorporated by reference into this standard. Whichever is the date of the reference file, which is followed by all (Excluding corrigenda) or revisions do not apply to this standard, however, encourage the parties to reach an agreement under this standard Whether you can use the latest version of these files. For undated references, the latest edition applies to this standard.

GB/T 4880.2-2000 Language name code Part 2. 3 letter code (eqvISO 639-2..1998) GB/T 19710-2005 Geographic Information Metadata (ISO 19115.:2003, MOD) GB/T 21337-2008 Principles of Geographic Information Quality (ISO 19113.:2002, IDT) GB/T 22022-2008 Geographic Information Time Model (ISO 19108.:2002, IDT) Geographic information space model (ISO 19107.:2003, IDT) GB/T 23707-2009 GB/T 24355-2009 Geographic information representation (ISO 19117.:2004, IDT) ISO/T S19103 Geographic information conceptual pattern language (Geographicinformation-Conceptualschemalan-guage ISO 19109.:2005 Geographic information application pattern rules (Geographicinformation-Rulesforapplicationsa) ISO 19110 Geographic information element method (Geographicinformation-Featurecataloguingology method) ISO 19111 Geographic information Geographic information based on coordinates (Geographicinformation-Spatialreferencingbyco-ordinates ISO 19112 Geographic information Geographic identifier based spatial identifier

(Geographic information-Spatial referencing by geographic identifiers) ISO 19123 geometric and functional patterns of geographic information coverage

(Geographic information-Schema for coverage) geometry and functions) ISO/T S19138

Geographic information-Data quality measures

(Geographic information-Data quality measures)

4 Terms and definitions

The following terms and definitions apply to this standard.

Application Support the data manipulation and processing of user requirements.

[ISO 19101]

Application mode applicationschema One or more applications (4.1) required for the conceptual model of data (4.4).