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

GB/T 30168-2013

Geographic information -- Geodetic codes and parameters

地理信息 大地测量代码与参数

(English Translation)

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C.1 Introduction

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard uses the translation method identical with the international standard ISO/T S19127.2005 "Geographic information - Geodetic codes and parameters." Correspondence between the consistency of the standards of international documents and normative references of the following documents.

--- GB/T 30170-2013 Geographic information - Spatial referencing by coordinates (ISO 19111:2007, IDT) the standards for the following editorial changes.

--- "The technical specifications" to the "standard."

--- Deleted the preface to the international standards;

--- Introduction of this standard adopts ISO/T S19127 introduction, but made minor modifications;

This standard was proposed by the National Mapping Geographic Information Bureau.

This standard by the National Standardization Technical Committee on Geographical Information (SAC/TC230) centralized.

This standard was drafted. National Geomatics Center, National Mapping Product Quality Inspection and Test Center.

Introduction

ISO 19135:2005 specification geographic information entry registration procedures. ISO/IEC JTC1 registered define the accurate the name given to the object, making it applicable to the industry.

ISO 19111 describes a complete definition and elements of reference coordinate system coordinates to the earth's surface or near-surface location coordinates are Accurate reference. ISO 19111 also describes a process element coordinate reference system coordinate transformation.

At present, there are many geodetic codes and parameters directory in the national standards, liaison organization standards, industry specifications and software products, but the lack of guidance on these geodetic codes and parameters applicability. Due to the geographical information system already plays in cartography and geodesy Vietnam Increasingly broader role, so its applicability should be given adequate attention.

This standard describes in circumstances consistent with ISO 19111, ISO 19135:2005 procedures specified in how to apply to apply to sit Standard reference element registration book. To facilitate reasonable and appropriate to provide guidance on the application, ISO 19111 some optional elements in the present standard Become mandatory.

Geographic information - Geodetic codes and parameters

1 Scope

This standard defines the geodetic codes and parameters register registration and maintenance rules to determine the need for and in the Register ISO 19111 and ISO 19135:2005 consistent data elements. Use register, legal characteristics, historical data applicability, registration book Completeness and its maintenance mechanism, by registered book itself provides.

2 Conformance requirements

To comply with this standard, geographic information register shall meet the abstract test suite (see Appendix A) all the conditions stipulated.

3 Normative References

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

ISO 19111 Geographic information - Spatial referencing by coordinates
(Geographicinformation-Spatialreferencingby coordinates) ISO 19112 Geographic information Spatial reference identifier (Geographicinformation-Spatialreferencingbygeographicidentifiers) ISO 19135:2005 Geographic information - Procedures for registration (Geographicinformation-Proceduresforitemregistration-FirstEdition)

4 Terms and definitions

This standard adopts the ISO 19111 and ISO 19135:2005 the same terminology, definitions, signs, symbols and abbreviations.

5 of geodetic codes and parameters register ISO registration geodetic network is defined as follows.

- a) The ISO geodetic register. The main register contains a set of descriptors register entries, b) and c) in the sub-register Book has been described.
- b) Geodetic codes and parameters ISO register. The sub-register shall include compliance with ISO 19111 standards, the global geographic collar Domain widely and accurately defined coordinate reference system data and coordinate transformation. ISO requires registration entries in the Table B.1 ~

Table B.3.

- c) geodetic codes and parameters of the external sub-register. The external sub-register shall include compliance with ISO 19111 standard coordinate reference According to the Department of Information and coordinate transformation. Geodetic codes and parameters related to external sub-register entry requirements, see Table B.1 ~

Table B.3.