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Nederlandse norm

NEN-EN-ISO 19109 (en)

Geo-informatie - Regels voor het
toepassingsschema (ISO 19109:2005, IDT)

Geographic information - Rules for application
schema (ISO 19109:2005, IDT)

ICS 35.240.70
juli 2006

Als Nederlandse norm is aanvaard:

- EN ISO 19109:2006, IDT
- ISO 19109:2005, IDT

Normcommissie 351 240 "Geo-informatie"

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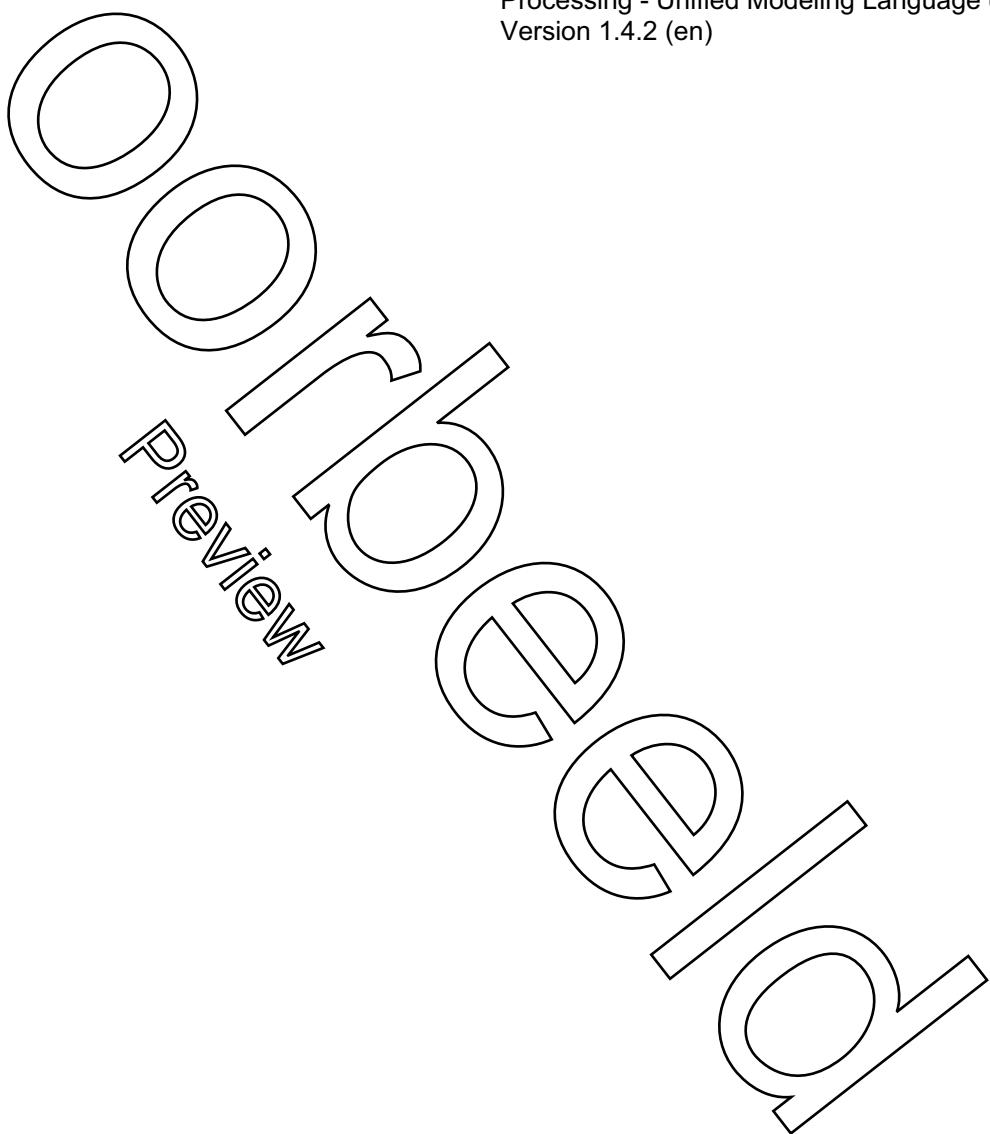
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Nederlands voorwoord

Voor de in deze norm vermelde normatieve verwijzingen bestaan in Nederland de volgende equivalenten:

<u>vermelde norm</u>	<u>Nederlandse norm</u>	<u>titel</u>
ISO/TS 19103	-	-
ISO 19107:2003	NEN-EN-ISO 19107:2005	Geo-informatie - Ruimtelijk schema (en)
ISO 19108:2002	NEN-EN-ISO 19108:2005	Geo-informatie - Tijdgebonden schema (en)
ISO 19112:2003	NEN-EN-ISO 19112:2005	Geo-informatie - Ruimtelijke positionering door geografische identificaties (en)
ISO 19113:2002	NEN-EN-ISO 19113:2005	Geo-informatie - Kwaliteitsprincipes (en)
ISO 19115:2003	NEN-EN-ISO 19115:2005	Geo-informatie - Meta-data (en)
ISO/IEC 19501	NEN-ISO/IEC 19501	Information technology - Open Distributed Processing - Unified Modeling Language (UML) Version 1.4.2 (en)



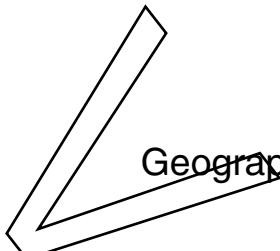
Voorbeeld
Preview

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 19109

July 2006

ICS 35.240.70



English Version

Geographic information - Rules for application schema (ISO 19109:2005)

Information géographique - Règles de schéma d'application
(ISO 19109:2005)

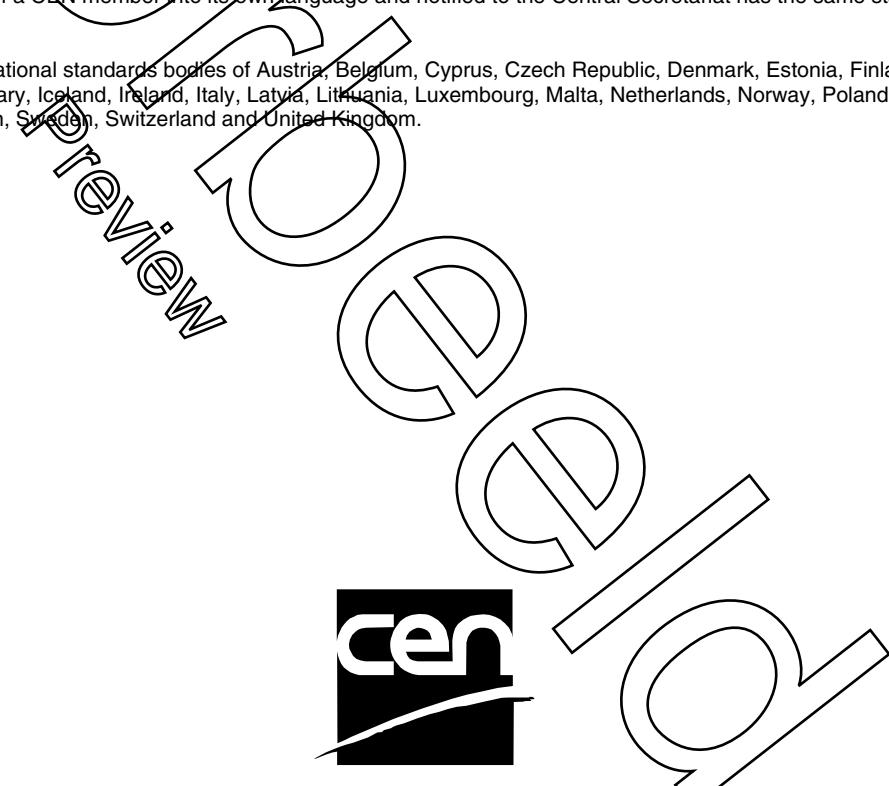
Geoinformation - Regeln zur Erstellung von
Anwendungsschemata (ISO 19109:2005)

This European Standard was approved by CEN on 16 June 2006.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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Foreword

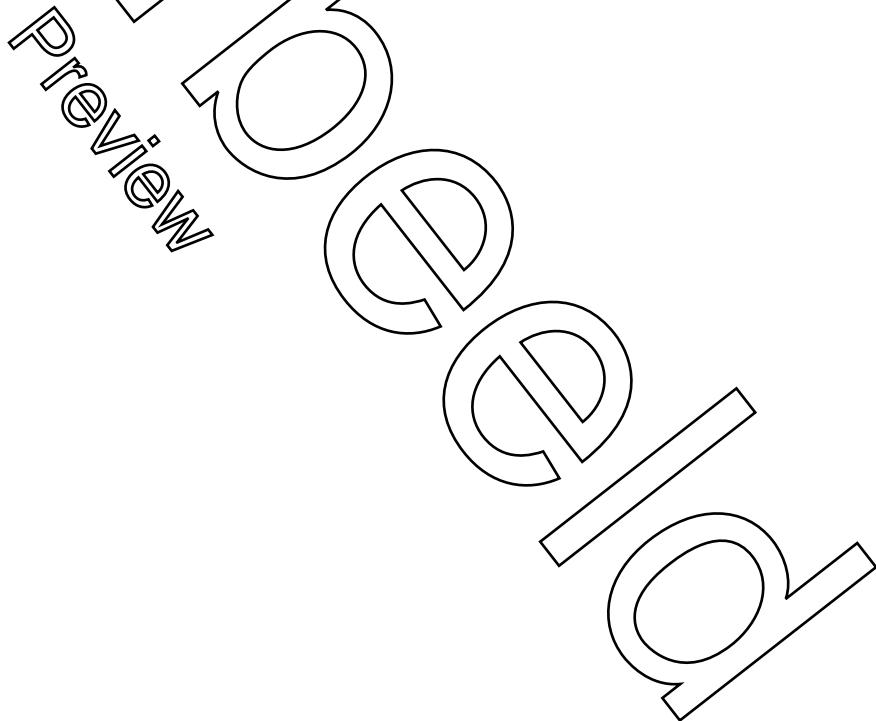
The text of ISO 19109:2005 has been prepared by Technical Committee ISO/TC 211 "Geographic information/Geomatics" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 19109:2006 by Technical Committee CEN/TC 287 "Geographic Information", the secretariat of which 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 January 2007, and conflicting national standards shall be withdrawn at the latest by January 2007.

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The text of ISO 19109:2005 has been approved by CEN as EN ISO 19109:2006 without any modifications.



INTERNATIONAL
STANDARD

ISO
19109

First edition
2005-06-15

**Geographic information — Rules for
application schema**

Information géographique — Règles de schéma d'application

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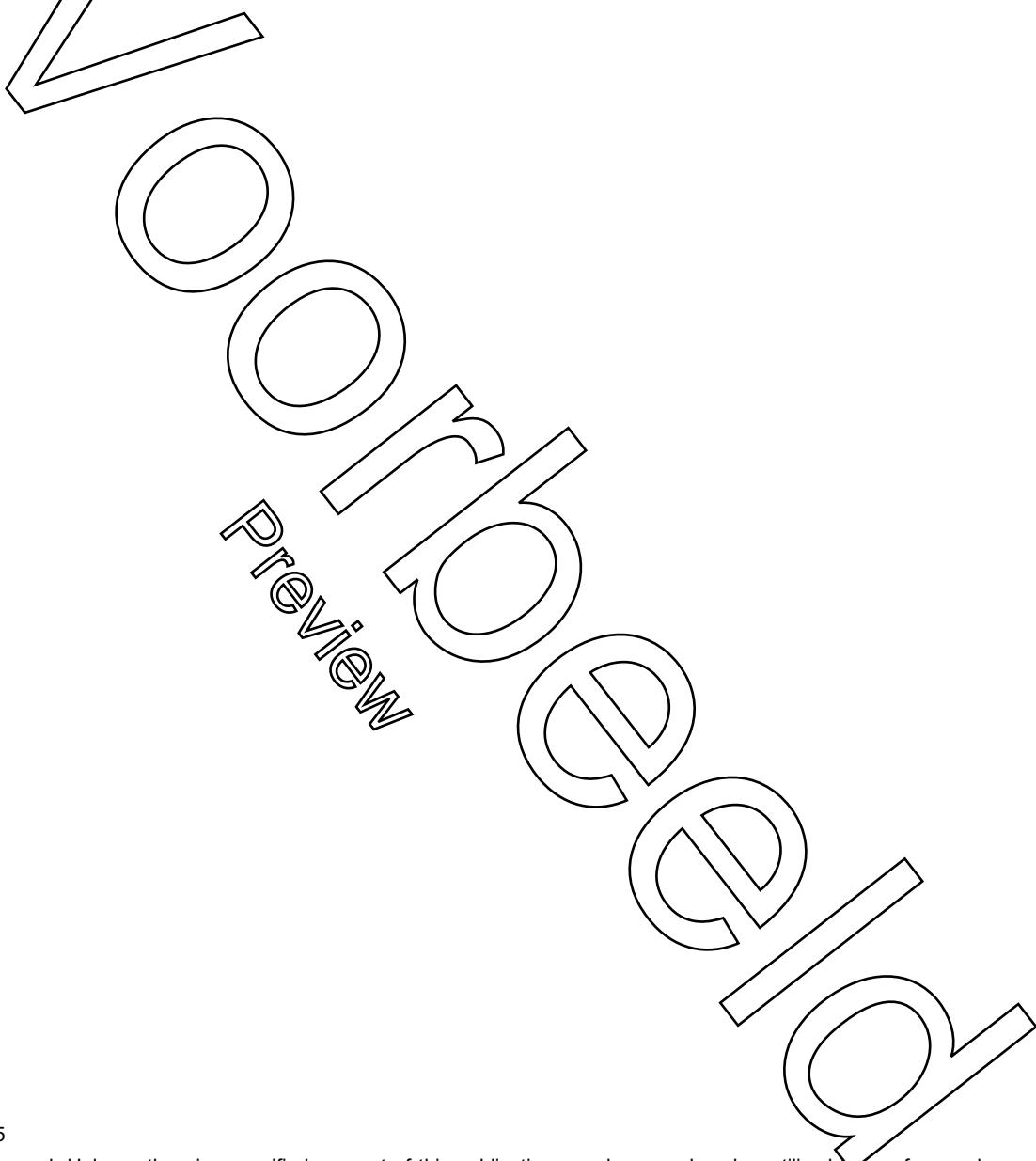
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Foreword

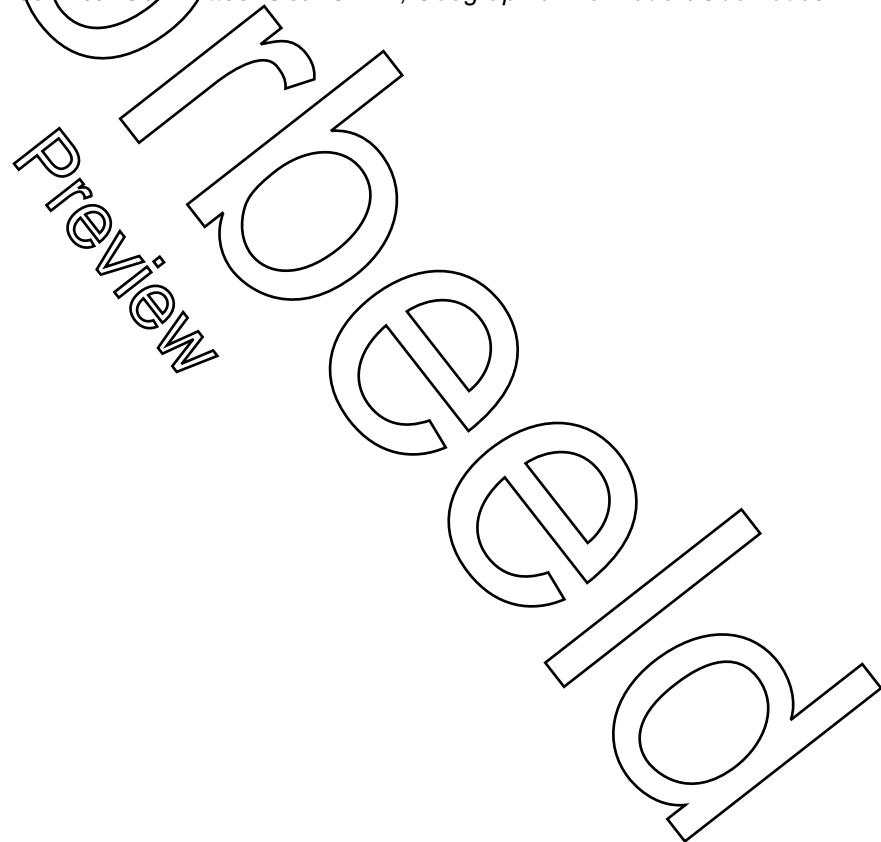
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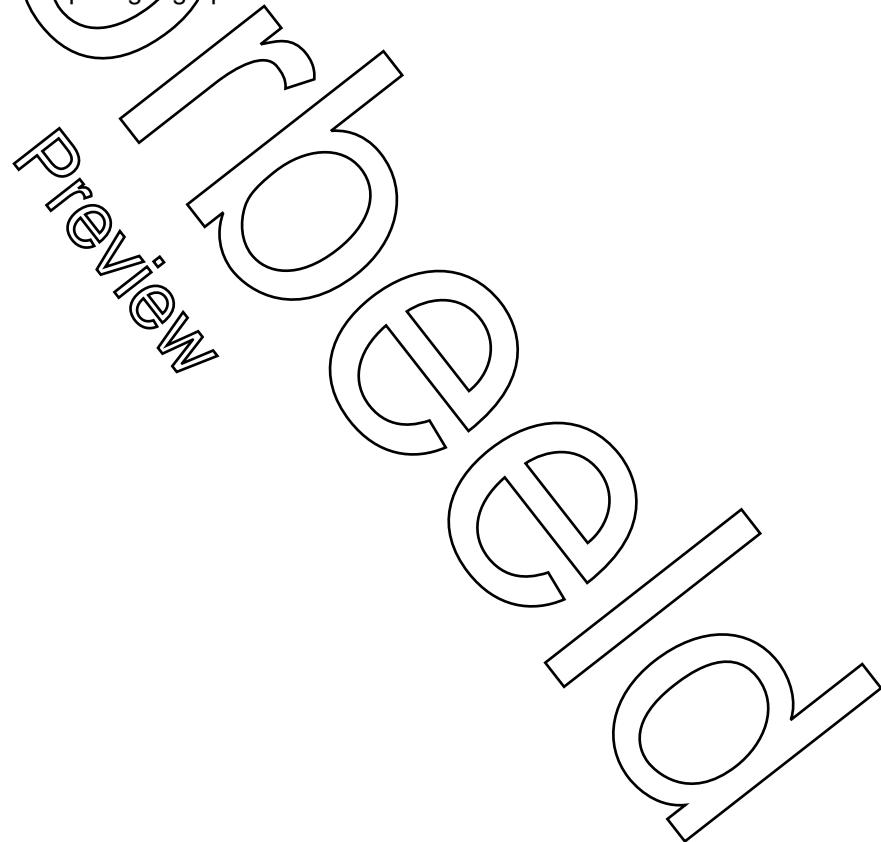
Introduction

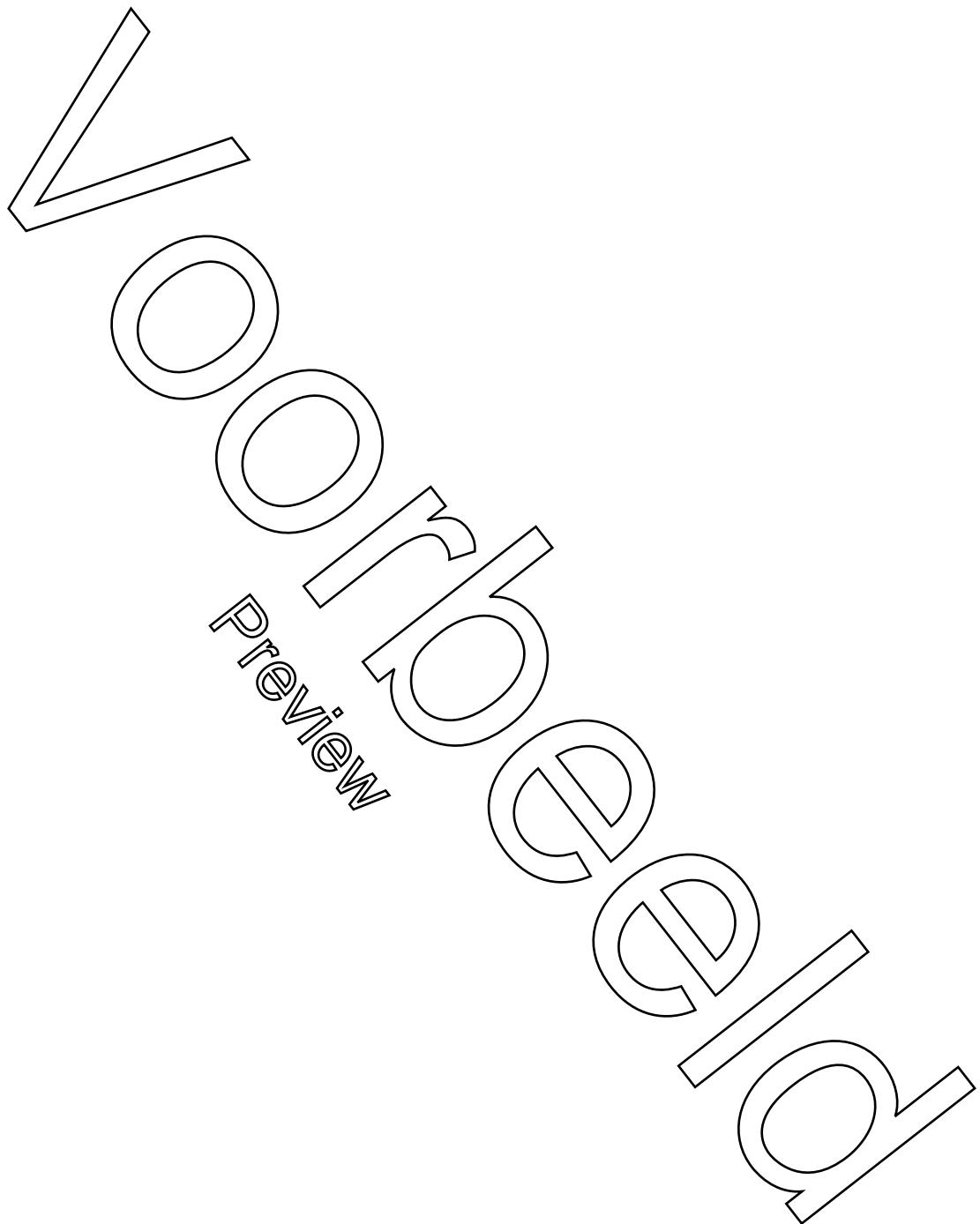
Any description of reality is always an abstraction, always partial, and always just one of many possible "views", depending on the application field.

The widespread application of computers and geographic information systems (GIS) has led to an increased use of geographic data within multiple disciplines. With current technology as an enabler, society's reliance on such data is growing. Geographic datasets are increasingly being shared and exchanged. They are also used for purposes other than those for which they were produced.

To ensure that data will be understood by both computer systems and users, the data structures for data access and exchange must be fully documented. The interfaces between systems, therefore, need to be defined with respect to data and operations, using the methods standardized in this International Standard. For the construction of internal software and data storage within proprietary systems, any method may be used that enables the standardized interfaces to be supported.

An application schema provides the formal description of the data structure and content required by one or more applications. An application schema contains the descriptions of both geographic data and other related data. A fundamental concept of geographic data is the feature.





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