



Nederlandse norm

NEN-EN-ISO 19109 (en)

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

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

PREVIEW

ICS 35.240.70
juli 2006

Als Nederlandse norm is aanvaard:

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

Voorbeeld
 Preview

Normcommissie 351 240 "Geo-informatie"

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| ISO 19115:2003 | NEN-EN-ISO 19115:2005 | Geo-informatie - Meta-data (en) |
| ISO/IEC 49501 | NEN-ISO/IEC 49501 | Information technology - Open Distributed Processing - Unified Modeling Language (UML) Version 1.4.2 (en) |

Forthcoming
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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)

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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.

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

INTERNATIONAL
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Preview

**Geographic information — Rules for
application schema**

Information géographique — Règles de schéma d'application



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Contents

Page

| | |
|---|----|
| Foreword..... | iv |
| Introduction..... | v |
| 1 Scope..... | 1 |
| 2 Conformance..... | 1 |
| 3 Normative references..... | 2 |
| 4 Terms and definitions..... | 2 |
| 5 Presentation and abbreviations..... | 4 |
| 5.1 Presentation..... | 4 |
| 5.2 Abbreviations..... | 5 |
| 6 Context..... | 5 |
| 6.1 Purpose of an application schema..... | 5 |
| 6.2 Rules for application schema..... | 5 |
| 6.3 Application schema supporting data interchange..... | 6 |
| 7 Principles for defining features..... | 8 |
| 7.1 Features..... | 8 |
| 7.2 Features and the application schema..... | 9 |
| 7.3 The General Feature Model..... | 10 |
| 7.4 Attributes of feature types..... | 16 |
| 7.5 Relationships between feature types..... | 18 |
| 7.6 Behaviour of feature types..... | 20 |
| 7.7 Constraints..... | 21 |
| 8 Rules for application schema..... | 21 |
| 8.1 The application modelling process..... | 21 |
| 8.2 The application schema..... | 22 |
| 8.3 Rules for application schema in UML..... | 24 |
| 8.4 Domain profiles of standard schemas in UML..... | 27 |
| 8.5 Rules for use of metadata schema..... | 29 |
| 8.6 Temporal rules..... | 33 |
| 8.7 Spatial rules..... | 39 |
| 8.8 Cataloguing rules..... | 49 |
| 8.9 Spatial referencing using geographic identifiers..... | 50 |
| Annex A (normative) Abstract test suite..... | 53 |
| Annex B (normative) The modelling approach and the General Feature Model..... | 57 |
| Annex C (informative) Application schema in EXPRESS..... | 61 |
| Annex D (informative) Application schema examples..... | 63 |
| Bibliography..... | 71 |

Foreword

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ISO 19109 was prepared by Technical Committee ISO/TC 211, *Geographic information/Geomatics*.

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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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