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AMENDMENT 1
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**Geographic information — Procedures
for item registration —**

**Part 1:
Fundamentals**

AMENDMENT 1

*Information géographique — Procédures pour l'enregistrement
d'éléments —*

Partie 1: Principes de base

AMENDEMENT 1



Reference number
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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 211, *Geographic information/Geomatics*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 287, *Geographic Information*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

A list of all parts in the ISO 19135 series can be found on the ISO website.

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Part 1: Fundamentals

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Foreword, last paragraph

At the end of the last bullet point of the last paragraph explaining the cancellation of ISO 19135:2005, add the following footnote:

1) Withdrawn.

After the last bullet point of the last paragraph explaining the cancellation of ISO 19135:2005, add the following NOTE:

“NOTE The XML schema in ISO/TS 19135-2:2012 was an implementation of ISO 19135:2005. ISO/TS 19135-2:2012 was therefore withdrawn in 2019. ISO 19135-1:2015/Amd.1:2021 incorporates the provisions of the withdrawn ISO/TS 19135-2:2012 by way of a new Annex G which provides a link to an externally-held schema.”

Introduction

Delete “Annex C is particularly applicable to registers established under the auspices of ISO/TC 211.”

Insert before the last paragraph:

“Annex G describes XML implementation of this document.”

Normative references

Replace the reference to “ISO 19103: —¹⁾” with the following:

“ISO 19103:2015, *Geographic information — Conceptual schema language*”

Delete footnote 1).

4.2

Add the following to the end of the list:

“XML Extensible Markup Language”

6.1

Replace “Establishment of ISO/TC 211 registers is described in Annex C” with the following:

“ISO TC 211 Good practices at <https://committee.iso.org/sites/tc211/home/resolutions/isotc-211-good-practices.html> describes how to use this document for an ISO managed register.”

6.7

Delete the last sentence:

“The register manager may charge for the cost of reproduction and distribution of such copies.”

7.2.2, Attribute named ‘identifier’

Delete EXAMPLE.

Annex C

Delete Annex C.

Annex G

Add the following annex after Annex F, before the Bibliography:

Annex G (informative)

XML schema implementation

The XML implementation schema for this document may be used in a variety of ways, such as:

- a) Being imported into the implementation schema of a standard which specializes ISO 19135-1 to specify a particular kind of register.
- b) To support the publication approaches described in 6.7, that is, to transfer one or more specific register items. In this case, the ItemClass class is a suitable root element. The register association from ItemClass and RegisterItem may be provided by reference. Certain associations, for example, RE_RegisterItem.additionInformation, may be withheld, providing a gco:mlReason.
- c) To export an entire register.
- d) A partially populated RE_RegisterItem could be attached to a submission.

The XML implementation schema for this document was derived from the UML model in accordance with ISO/TS 19139-1:2019. This includes importing some elements from the XML schema implementation of ISO 19115, reflecting the import of UML packages from ISO 19115-1:2014.

NOTE Due to the relative simplicity of the UML model in this document, derivation was carried out directly, without the explicit creation of an implementation UML model.

The schema defines a single namespace, <https://schemas.isotc211.org/19135/-1/pir/1.0>.

[Table G.1](#) lists the external namespaces used in this schema.

Table G.1 — ISO 19115-3 namespaces used in this schema

Namespace abbreviation	Namespace URI	ISO 19115-1 Package prefix
gco	https://standards.iso.org/iso/19115/-3/gco/1.0	MD
cit	https://standards.iso.org/iso/19115/-3/cit/1.0	CI

[Table G.2](#) lists the XSD files which implement the UML packages related to the three conformance clauses.

Table G.2 — Conformance classes, UML packages, and XSD files

Conformance class	UML package	XSD file
Core schema	CoreModel	core.xsd
Extended schema	ExtendedModel	extended.xsd
Hierarchical register	Hierarchical	hierarchy.xsd

pir.xsd includes core.xsd, extended.xsd, and hierarchy.xsd

The XML schema defined by this document can be found online at:

<https://schemas.isotc211.org/19135/-1/pir/1.0/>

Bibliography

Add

[14] ISO/TS 19139-1:2019, *Geographic information — XML schema implementation — Part 1: Encoding rules*

[15] ISO/TS 19115-3:2016, *Geographic information — Metadata — Part 3: XML schema implementation for fundamental concepts*

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