

---

---

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

**Part 1:  
Fundamentals**

**AMENDMENT 1**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

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

*Partie 1: Principes de base*

*ISO 19135-1:2015/Amd 1:2021*

<https://standards.iteh.ai/catalog/standards/sist/25ad5e90-6d3b-48eb-a2c2-cfc3f4d3354f/iso-19135-1-2015-amd-1-2021>



**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[ISO 19135-1:2015/Amd 1:2021](https://standards.iteh.ai/catalog/standards/sist/25ad5e90-6d3b-48eb-a2c2-cfc3f4d3354f/iso-19135-1-2015-amd-1-2021)  
<https://standards.iteh.ai/catalog/standards/sist/25ad5e90-6d3b-48eb-a2c2-cfc3f4d3354f/iso-19135-1-2015-amd-1-2021>



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

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.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

ISO 19135-1:2015/Amd 1:2021

<https://standards.iteh.ai/catalog/standards/sist/25ad5e90-6d3b-48eb-a2c2-cfc3f4d3354f/iso-19135-1-2015-amd-1-2021>

# Geographic information — Procedures for item registration —

## Part 1: Fundamentals

### AMENDMENT 1

#### *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: —<sup>1)</sup>” with the following:

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

Delete footnote 1).

## ISO 19135-1:2015/Amd.1:2021(E)

### 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.

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

### Annex C

Delete Annex C.

<https://standards.iteh.ai/catalog/standards/sist/25ad5e90-6d3b-48eb-a2c2-cfc3f4d3354f/iso-19135-1-2015-amd-1-2021>

### 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:nilReason.
- 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	<a href="https://standards.iso.org/iso/19115/-3/gco/1.0">https://standards.iso.org/iso/19115/-3/gco/1.0</a>	MD
cit	<a href="https://standards.iso.org/iso/19115/-3/cit/1.0">https://standards.iso.org/iso/19115/-3/cit/1.0</a>	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*”

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[ISO 19135-1:2015/Amd 1:2021](https://standards.iteh.ai/catalog/standards/sist/25ad5e90-6d3b-48eb-a2c2-cfc3f4d3354f/iso-19135-1-2015-amd-1-2021)

<https://standards.iteh.ai/catalog/standards/sist/25ad5e90-6d3b-48eb-a2c2-cfc3f4d3354f/iso-19135-1-2015-amd-1-2021>



**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[ISO 19135-1:2015/Amd 1:2021](https://standards.iteh.ai/catalog/standards/sist/25ad5e90-6d3b-48eb-a2c2-cfc3f4d3354f/iso-19135-1-2015-amd-1-2021)

<https://standards.iteh.ai/catalog/standards/sist/25ad5e90-6d3b-48eb-a2c2-cfc3f4d3354f/iso-19135-1-2015-amd-1-2021>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[ISO 19135-1:2015/Amd 1:2021](https://standards.iteh.ai/catalog/standards/sist/25ad5e90-6d3b-48eb-a2c2-cfc3f4d3354f/iso-19135-1-2015-amd-1-2021)  
<https://standards.iteh.ai/catalog/standards/sist/25ad5e90-6d3b-48eb-a2c2-cfc3f4d3354f/iso-19135-1-2015-amd-1-2021>