



# SLOVENSKI STANDARD

## oSIST prEN ISO 19127:2025

01-september-2025

---

### Geografske informacije - Geodetski register (ISO/DIS 19127:2025)

Geographic information - Geodetic register (ISO/DIS 19127:2025)

Geoinformation - Geodätische Register (ISO/DIS 19127:2025)

Information géographique - Registre géodésique (ISO/DIS 19127:2025)

Ta slovenski standard je istoveten z: prEN ISO 19127

---

#### ICS:

07.040

Astronomija, Geodezija,  
Geografija

Astronomy, Geodesy,  
Geography

35.240.70

Uporabniške rešitve IT v  
znanosti

IT applications in science

oSIST prEN ISO 19127:2025

en,fr,de





# DRAFT International Standard

## ISO/DIS 19127

### Geographic information — Geodetic register

*Information géographique — Registre géodésiques*

ICS: 07.040; 35.240.70

ISO/TC 211

Secretariat: **SIS**

Voting begins on:  
**2025-07-15**

Voting terminates on:  
**2025-10-07**

iTeh Standards  
(<https://standards.iteh.ai>)  
Document Preview

[oSIST prEN ISO 19127:2025](https://standards.iteh.ai/catalog/standards/sist/c0f90b3d-17da-4479-8938-1768e9f13eb5/osist-pren-iso-19127-2025)

<https://standards.iteh.ai/catalog/standards/sist/c0f90b3d-17da-4479-8938-1768e9f13eb5/osist-pren-iso-19127-2025>

This document is circulated as received from the committee secretariat.

**ISO/CEN PARALLEL PROCESSING**

Reference number  
ISO/DIS 19127:2025(en)

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENTS AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

© ISO 2025

## ISO/DIS 19127:2025(en)

# iTeh Standards (<https://standards.iteh.ai>) Document Preview

[oSIST prEN ISO 19127:2025](https://standards.iteh.ai/catalog/standards/sist/c0f90b3d-17da-4479-8938-1768e9f13eb5/osist-pren-iso-19127-2025)

<https://standards.iteh.ai/catalog/standards/sist/c0f90b3d-17da-4479-8938-1768e9f13eb5/osist-pren-iso-19127-2025>



### **COPYRIGHT PROTECTED DOCUMENT**

© ISO 2025

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

## ISO/DIS 19127:2025(en)

## Contents

Page

<b>Foreword</b>	<b>iv</b>
<b>Introduction</b>	<b>v</b>
<b>1 Scope</b>	<b>1</b>
<b>2 Normative references</b>	<b>1</b>
<b>3 Terms and definitions</b>	<b>1</b>
<b>4 Conformance</b>	<b>1</b>
<b>5 Conventions</b>	<b>1</b>
<b>6 Audience and accessibility</b>	<b>1</b>
<b>7 ISO Geodetic Register roles and responsibilities</b>	<b>2</b>
7.1 General	2
7.2 Register owner	2
7.3 Register manager	2
7.4 Control body	3
7.4.1 Control body responsibilities	3
7.4.2 Control body membership	3
7.4.3 Approval of register content	3
7.4.4 Reporting	3
7.5 Register system manager	3
7.6 Proposer	4
7.7 Register user	4
<b>8 ISO Geodetic Register governance processes</b>	<b>4</b>
8.1 Proposal process	4
8.2 Approval process	5
8.2.1 General	5
8.2.2 Addition	5
8.2.3 Modification	5
8.2.4 Retirement	6
8.3 Appeal process	6
8.4 Content management process	6
8.5 Statuses and relationships	7
<b>9 ISO Geodetic Register system content requirements</b>	<b>7</b>
9.1 Identifiers	7
9.2 Register item class data	7
9.3 Register item class governance	8
9.4 Register item data	8
9.5 Register item governance	8
<b>10 ISO Geodetic Register content requirements</b>	<b>8</b>
<b>Annex A (normative) Abstract test suite</b>	<b>12</b>
<b>Annex B (normative) ISO Geodetic Register content</b>	<b>13</b>
<b>Annex C (informative) Best practices for the ISO geodetic register content</b>	<b>37</b>
<b>Annex D (informative) Metadata</b>	<b>48</b>
<b>Annex E (informative) Requirements list</b>	<b>51</b>
<b>Bibliography</b>	<b>54</b>

## ISO/DIS 19127:2025(en)

## 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*.

This second edition cancels and replaces ISO 19127:2019, which has been technically revised.

This document constitutes a major revision, incorporating changes in ISO 19111:2019 and ISO/DIS 19135.

In accordance with the ISO/IEC Directives, Part 2, 2021, *Principles and rules for the structure and drafting of ISO and IEC documents*, "The decimal sign shall be a comma on the line in all language versions". However, the General Conference on Weights and Measures (*Conférence Générale des Poids et Mesures*) at its 22<sup>nd</sup> meeting in 2003, unanimously passed resolution 10, which reads as follows:

"The decimal marker shall be either a point on the line or a comma on the line."

In practice, the choice between these alternatives depends on customary use in the language concerned. In the technical areas of geodesy and geographic information it is customary for the decimal point to be used, for all languages. That practice is used throughout this document.

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).

## ISO/DIS 19127:2025(en)

### Introduction

This document specifically governs procedures for the ISO 19127 geodetic register, but may have applicability to similar national and international registers of geodetic information.

The ISO 19127 geodetic register and the ISO 19127 geodetic register system are referred to as the ISO geodetic register and ISO geodetic register system, respectively, throughout this document.

ISO/DIS 19135 provides for the structural and governance requirements of a register and its management. Register management processes include the establishment, management, operation and publication of a register.

ISO 19111:2019 describes elements necessary to define various types of coordinate reference systems applicable to geographic information. The subset of elements required is partially dependent upon the type of coordinates. Optional fields allow for the inclusion of metadata about the coordinate reference systems. ISO 19111:2019 also provides for the description of a coordinate operation between two different coordinate reference systems or a coordinate operation to account for crustal motion over time. With such information, spatial data referenced to different coordinate reference systems can be referenced to one specified coordinate reference system at a specified time.

This document describes how the structural, governance and management requirements within ISO/DIS 19135 are to be applied to the ISO geodetic register of elements applicable to geodetic referencing by coordinates in accordance with ISO 19111:2019. Reference may be made to other register system codes as aliases within the ISO geodetic register.

[Annex A](#), which is normative, provides four tests for conformance to this document.

[Annex B](#), which is normative, provides tables that specify information for elements to be included in the ISO geodetic register.

[Annex C](#), which is informative, provides best practices for the ISO geodetic register content.

[Annex D](#), which is informative, provides the metadata for the ISO geodetic register.

[Annex E](#), which is informative, provides a summary of the conformance requirements that are found in the text body of this document.