



# SLOVENSKI STANDARD SIST EN ISO 18183-1:2024

01-junij-2024

---

## Specifikacija geometrijskih veličin izdelka (GPS) - Razdelitev - 1. del: Slovar in osnovni pojmi (ISO 18183-1:2024)

Geometrical product specifications (GPS) - Partition - Part 1: Vocabulary and basic concepts (ISO 18183-1:2024)

Geometrische Produktspezifikation (GPS) - Partition - Teil 1: Begriffe und grundlegende Konzepte (ISO 18183-1:2024)

Spécification géométrique des produits (GPS) - Partition - Partie 1: Vocabulaire et concepts de base (ISO 18183-1:2024)

**Ta slovenski standard je istoveten z: EN ISO 18183-1:2024**

[SIST EN ISO 18183-1:2024](https://standards.iteh.org/standards/en/18183-1:2024)

### ICS:

01.040.17	Meroslovje in merjenje. Fizikalni pojavi (Slovarji)	Metrology and measurement. Physical phenomena (Vocabularies)
17.040.40	Specifikacija geometrijskih veličin izdelka (GPS)	Geometrical Product Specification (GPS)

**SIST EN ISO 18183-1:2024**

**en,fr,de**



EUROPEAN STANDARD

EN ISO 18183-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2024

ICS 17.040.40

English Version

## Geometrical product specifications (GPS) - Partition - Part 1: Vocabulary and basic concepts (ISO 18183-1:2024)

Spécification géométrique des produits (GPS) -  
Partition - Partie 1: Vocabulaire et concepts de base  
(ISO 18183-1:2024)

Geometrische Produktspezifikation (GPS) - Partition -  
Teil 1: Begriffe und grundlegende Konzepte (ISO  
18183-1:2024)

This European Standard was approved by CEN on 13 March 2024.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

# Document Preview

[SIST EN ISO 18183-1:2024](https://standards.iteh.ai/catalog/standards/sist/d560718d-ca7d-46eb-a58a-690b81865467/sist-en-iso-18183-1-2024)

<https://standards.iteh.ai/catalog/standards/sist/d560718d-ca7d-46eb-a58a-690b81865467/sist-en-iso-18183-1-2024>



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3

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

[SIST EN ISO 18183-1:2024](https://standards.iteh.ai/catalog/standards/sist/d560718d-ea7d-46eb-a58a-690b81865467/sist-en-iso-18183-1-2024)

<https://standards.iteh.ai/catalog/standards/sist/d560718d-ea7d-46eb-a58a-690b81865467/sist-en-iso-18183-1-2024>

## European foreword

This document (EN ISO 18183-1:2024) has been prepared by Technical Committee ISO/TC 213 "Dimensional and geometrical product specifications and verification" in collaboration with Technical Committee CEN/TC 290 "Dimensional and geometrical product specification and verification" the secretariat of which is held by AFNOR.

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 October 2024, and conflicting national standards shall be withdrawn at the latest by October 2024.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

### Endorsement notice

The text of ISO 18183-1:2024 has been approved by CEN as EN ISO 18183-1:2024 without any modification.

[SIST EN ISO 18183-1:2024](https://standards.iteh.ai/catalog/standards/sist/d560718d-ea7d-46eb-a58a-690b81865467/sist-en-iso-18183-1-2024)

<https://standards.iteh.ai/catalog/standards/sist/d560718d-ea7d-46eb-a58a-690b81865467/sist-en-iso-18183-1-2024>





**International  
Standard**

**ISO 18183-1**

**Geometrical product specifications  
(GPS) — Partition —**

**Part 1:  
Vocabulary and basic concepts**

*Spécification géométrique des produits (GPS) — Partition —*

*Partie 1: Vocabulaire et concepts de base*

**First edition  
2024-03**

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

[SIST EN ISO 18183-1:2024](https://standards.iteh.ai/catalog/standards/sist/d560718d-ea7d-46eb-a58a-690b81865467/sist-en-iso-18183-1-2024)

<https://standards.iteh.ai/catalog/standards/sist/d560718d-ea7d-46eb-a58a-690b81865467/sist-en-iso-18183-1-2024>

**ISO 18183-1:2024(en)**

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

[SIST EN ISO 18183-1:2024](https://standards.iteh.ai/catalog/standards/sist/d560718d-ea7d-46cb-a58a-690b81865467/sist-en-iso-18183-1-2024)

<https://standards.iteh.ai/catalog/standards/sist/d560718d-ea7d-46cb-a58a-690b81865467/sist-en-iso-18183-1-2024>



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2024

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 2024 – All rights reserved



**ISO 18183-1:2024(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 Partition concepts</b> .....	<b>10</b>
4.1 General.....	10
4.2 Determination of the partition.....	10
4.3 Partitioned feature types.....	11
4.3.1 General.....	11
4.3.2 Feature discontinuity.....	11
4.3.3 Feature transition.....	11
4.4 Use of feature uncertainty zone identity sets in partition.....	11
4.5 Notation.....	12
<b>5 General information</b> .....	<b>12</b>
<b>Annex A (informative) Concept diagram</b> .....	<b>13</b>
<b>Annex B (informative) Relationship to the ISO GPS matrix model</b> .....	<b>15</b>
<b>Bibliography</b> .....	<b>16</b>

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

[SIST EN ISO 18183-1:2024](https://standards.iteh.ai/catalog/standards/sist/d560718d-ea7d-46eb-a58a-690b81865467/sist-en-iso-18183-1-2024)

<https://standards.iteh.ai/catalog/standards/sist/d560718d-ea7d-46eb-a58a-690b81865467/sist-en-iso-18183-1-2024>

## ISO 18183-1:2024(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 document 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)).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at [www.iso.org/patents](http://www.iso.org/patents). ISO shall not be held responsible for identifying any or all such patent rights.

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 213, *Dimensional and Geometrical product specifications and verification*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 290, *Dimensional and Geometrical product specification and verification*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

A list of all parts in the ISO 18183 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).

<https://standards.iteh.ai/catalog/standards/sist/d560718d-ea7d-46eb-a58a-690b81865467/sist-en-iso-18183-1-2024>