

SLOVENSKI STANDARD
SIST EN ISO 25178-72:2017**01-september-2017**

**Specifikacija geometrijskih veličin izdelka (GPS) - Tekstura površine: ravna - 72.
del: XML format datoteke x3p (ISO 25178-72:2017)**

Geometrical product specifications (GPS) - Surface texture: Areal - Part 72: XML file
format x3p (ISO 25178-72:2017)

Geometrische Produktspezifikation (GPS) - Oberflächenbeschaffenheit: Flächenhaft -
Teil 72: XML Dateiformat x3p (ISO 25178-72:2017)

Spécification géométrique des produits (GPS) - État de surface: Surfacique - Partie 72:
Format de fichier XML x3p (ISO 25178-72:2017)

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ICS:

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Geometrical product specifications (GPS) - Surface texture: Areal - Part 72: XML file format x3p (ISO 25178-72:2017)

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Contents	Page
European foreword.....	3

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European foreword

This document (EN ISO 25178-72:2017) 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of an identical text or by endorsement, at the latest by December 2017, and conflicting national standards shall be withdrawn at the latest by December 2017.

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INTERNATIONAL
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ISO
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**Geometrical product specifications
(GPS) — Surface texture: Areal —**

**Part 72:
XML file format x3p**

*Spécification géométrique des produits (GPS) — État de surface:
Surfacique —*

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Partie 72: Format de fichier XML x3p
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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Requirements	4
4.1 Units.....	4
4.2 Recommended offset value.....	4
5 x3p file format	4
5.1 General.....	4
5.2 File name extension.....	4
5.3 Minimum contents of zip-container.....	4
5.4 Optional contents of zip-container.....	4
5.4.1 General.....	4
5.4.2 Binary encoded coordinates.....	5
5.4.3 Validity mask.....	5
5.4.4 Vendor specific extensions.....	5
5.5 Contents and format of main.xml.....	5
5.5.1 General.....	5
5.5.2 Main records.....	5
5.5.3 Record1: Header, data types, and axes definitions.....	5
5.5.4 Record2: Meta data.....	8
5.5.5 Record3: 3D point data.....	10
5.5.6 Record4: Checksum information.....	14
5.5.7 Vendor specific extensions.....	14
Annex A (informative) XML file format	15
Annex B (informative) Sample main.xml	20
Annex C (informative) Relation with the GPS matrix	22
Bibliography	23

ISO 25178-72:2017(E)

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.

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This document was prepared by Technical Committee ISO/TC 213, *Dimensional and geometrical product specifications and verification*. [SIST EN ISO 25178-72:2017](https://standards.iteh.ai/catalog/standards/sist/6a45d269-4c67-4861-93ac-832410b80671/iso-25178-72)

A list of all parts in the ISO 25178 series can be found on the ISO website.

Introduction

This document is a geometrical product specification (GPS) standard and is to be regarded as a general GPS standard (see ISO 14638). It influences the chain link F of the chains of standards on profile and areal surface texture.

The ISO/GPS matrix model given in ISO 14638 gives an overview of the ISO/GPS system of which this document is a part. The fundamental rules of ISO/GPS given in ISO 8015 apply to this document and the default decision rules given in ISO 14253-1 apply to the specifications made in accordance with this document, unless otherwise indicated.

For more detailed information of the relation of this document to other standards and the GPS matrix model, see [Annex C](#).

The x3p format was in use in industry and academia before the creation of this document. The x3p file format as defined in this document has been developed based on the definitions in ISO 5436-2. The openGPS^{®1)} consortium provides a free open source software implementation of this file format to avoid the inevitable inconsistency of multiple proprietary implementations.

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