SLOVENSKI STANDARD
SIST EN ISO 17295:2023

01-marec-2023

Nadomešča:
SIST EN ISO/ASTM 52921:2016

Dodajalna izdelava - Splošna načela - Pozicioniranje, koordinate in orientacija delov (ISO 17295:2023)

Additive manufacturing - General principles - Part positioning, coordinates and orientation (ISO 17295:2023)

Additive Fertigung - Grundlagen - Positionierung, Koordinaten und Ausrichtung des Bauteils (ISO 17295:2023)

Fabrication additive - Principes généraux - Positionnement, coordonnées et orientation de la pièce (ISO 17295:2023)

Ta slovenski standard je istoveten z: **EN ISO 17295:2023**

ICS:

25.030	3D-tiskanje	Additive manufacturing

SIST EN ISO 17295:2023 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 17295

January 2023

ICS 25.030

Supersedes EN ISO/ASTM 52921:2016

English Version

Additive manufacturing - General principles - Part positioning, coordinates and orientation (ISO 17295:2023)

Fabrication additive - Principes généraux - Positionnement, coordonnées et orientation de la pièce (ISO 17295:2023)

Additive Fertigung - Grundlagen - Positionierung, Koordinaten und Ausrichtung des Bauteils (ISO 17295:2023)

This European Standard was approved by CEN on 17 January 2023.

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

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

Ref. No. EN ISO 17295:2023 E

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European foreword

This document (EN ISO 17295:2023) has been prepared by Technical Committee ISO/TC 261 "Additive manufacturing" in collaboration with Technical Committee CEN/TC 438 “Additive Manufacturing” 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of an identical text or by endorsement, at the latest by July 2023, and conflicting national standards shall be withdrawn at the latest by July 2023.

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.

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Endorsement notice

The text of ISO 17295:2023 has been approved by CEN as EN ISO 17295:2023 without any modification.

INTERNATIONAL STANDARD

ISO 17295

First edition
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Additive manufacturing — General principles — Part positioning, coordinates and orientation

Fabrication additive — Principes généraux — Positionnement, coordonnées et orientation de la pièce

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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).

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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.

This document was prepared by Technical ISO/TC 261, *Additive manufacturing*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 438, *Additive manufacturing*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

The first edition of ISO 17295 cancels and replaces ISO/ASTM 52921:2013, which has been technically revised.

The main changes are as follows:

— terms and definitions that are included in ISO/ASTM 52900 have been removed from this document and instead referred to ISO/ASTM 52900;

— since the list of terms and definitions have been removed from this edition, it is therefore not a standard terminology anymore, and therefore it has been renamed so that the title describes the actual content of the standard;

— the remaining normative content of the document including the annex have been consolidated into one single normative document;

— specifications of some aspects of initial build orientation and orthogonal orientation notation have been integrated in the text body of the 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.

