



SLOVENSKI STANDARD
oSIST prEN ISO/ASTM 52937:2024
01-september-2024

Aditivna proizvodnja kovinskih izdelkov - Kvalifikacija - Naloge in s tem povezana znanja za aditivno proizvodnjo (ISO/ASTM DIS 52937:2024)

Additive manufacturing of metals - Qualification principles - Tasks and related skills for AM (ISO/ASTM DIS 52937:2024)

Additive Fertigung von Metallen - Grundsätze der Qualifizierung - Qualifizierung von Konstrukteuren (ISO/ASTM DIS 52937:2024)

Fabrication additive de métaux - Principes de qualification - Tâches et compétences liées pour la FA (ISO/ASTM DIS 52937:2024)

Ta slovenski standard je istoveten z: prEN ISO/ASTM 52937

oSIST prEN ISO/ASTM 52937:2024

<http://standards.slovenski-institut.si/standards/sist/000002-90/11-4936-0574-076051405000-01st-pr-en-iso-astm-52937-2024>

ICS:

25.030 3D-tiskanje Additive manufacturing

oSIST prEN ISO/ASTM 52937:2024 en,fr,de



DRAFT International Standard

ISO/ASTM DIS 52937

Additive manufacturing of metals — Qualification principles — Tasks and related skills for AM

ICS: 25.030

ISO/TC 261

Secretariat: **DIN**

Voting begins on:
2024-06-17

Voting terminates on:
2024-09-09

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

[oSIST prEN ISO/ASTM 52937:2024](https://standards.iteh.ai/catalog/standards/sist/b066ffd2-9d4f-4950-8574-890d51d03d0d/osist-pren-iso-astm-52937-2024)

<https://standards.iteh.ai/catalog/standards/sist/b066ffd2-9d4f-4950-8574-890d51d03d0d/osist-pren-iso-astm-52937-2024>

This document is circulated as received from the committee secretariat.

ISO/CEN PARALLEL PROCESSING

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/ASTM DIS 52937:2024(en)

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

[oSIST prEN ISO/ASTM 52937:2024](https://standards.iteh.ai/catalog/standards/sist/b066ffd2-9d4f-4950-8574-890d51d03d0d/osist-pren-iso-astm-52937-2024)

<https://standards.iteh.ai/catalog/standards/sist/b066ffd2-9d4f-4950-8574-890d51d03d0d/osist-pren-iso-astm-52937-2024>



COPYRIGHT PROTECTED DOCUMENT

© ISO/ASTM International 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. In the United States, such requests should be sent to ASTM International.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11

Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

ASTM International
100 Barr Harbor Drive, PO Box C700
West Conshohocken, PA 19428-2959, USA
Phone: +610 832 9634
Fax: +610 832 9635
Email: khooper@astm.org
Website: www.astm.org

ISO/ASTM DIS 52937:2024(en)

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Tasks and responsibilities	1
4.1 General.....	1
4.2 Basics of AM.....	2
4.3 Technologies selected.....	2
4.4 Design concepts for Additive Manufacturing.....	2
4.5 Design actions for additive manufacturing.....	3
4.6 Pre-processing/ Data preparation.....	3
4.7 Validation plan of AM batch production.....	4
4.8 Process control design.....	4
4.9 Post-processing.....	4
4.10 Costs.....	4
Annex A (informative) List of applicable AM design standards	5
Bibliography	6

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

[oSIST prEN ISO/ASTM 52937:2024](https://standards.iteh.ai/catalog/standards/sist/b066ffd2-9d4f-4950-8574-890d51d03d0d/osist-pren-iso-astm-52937-2024)

<https://standards.iteh.ai/catalog/standards/sist/b066ffd2-9d4f-4950-8574-890d51d03d0d/osist-pren-iso-astm-52937-2024>

ISO/ASTM DIS 52937:2024(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 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).

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).

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.

This document was prepared by Technical Committee ISO/TC 261, *Additive manufacturing*, in cooperation with ASTM Committee F42, *Additive Manufacturing Technologies*, on the basis of a partnership agreement between ISO and ASTM International with the aim to create a common set of ISO/ASTM standards on Additive Manufacturing, and 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).

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.

<https://standards.iteh.ai/catalog/standards/sist/b066ffd2-9d4f-4950-8574-890d51d03d0d/osist-pren-iso-astm-52937-2024>