
Aeronavtika - LOTAR - Dolgotrajno arhiviranje in iskanje digitalne tehnične dokumentacije o izdelkih, kot so podatki o 3D CAD in PDM - 110. del: CAD mehanske 3D eksplicitne informacije o geometriji

Aerospace series - LOTAR - Long Term Archiving and Retrieval of digital technical product documentation such as 3D CAD and PDM data - Part 110: CAD mechanical 3D Explicit geometry information

Luft- und Raumfahrt - LOTAR - Langzeit-Archivierung und -Bereitstellung digitaler technischer Produktdokumentationen, wie zum Beispiel von 3D-, CAD- und PDM-Daten - Teil 110: Explizite Geometrieinformationen für 3D-CAD-Mechanik

Série aérospatiale - LOTAR - Archivage long terme et récupération des données techniques produits numériques telles que 3D, CAO et PDM - Partie 110 : Données de géométrie 3D explicite en CAO mécanique

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Ta slovenski standard je istoveten z: prEN 9300-110

ICS:

01.110	Tehnična dokumentacija za izdelke	Technical product documentation
35.240.10	Računalniško podprto snovanje (načrtovanje, oblikovanje) (CAD)	Computer-aided design (CAD)
35.240.30	Uporabniške rešitve IT v informatiki, dokumentiranju in založništvu	IT applications in information, documentation and publishing
49.020	Letala in vesoljska vozila na splošno	Aircraft and space vehicles in general

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EUROPÄISCHE NORM

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**Aerospace series - LOTAR - Long Term Archiving and
Retrieval of digital technical product documentation such
as 3D CAD and PDM data - Part 110: CAD mechanical 3D
Explicit geometry information**

Série aérospatiale - LOTAR - Archivage long terme et
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Luft- und Raumfahrt - LOTAR - Langzeit-Archivierung
und -Bereitstellung digitaler technischer
Produktdokumentationen, wie zum Beispiel von 3D-,
CAD- und PDM-Daten - Teil 110: Explizite
Geometrieinformationen für 3D-CAD-Mechanik

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee ASD-STAN.

If this draft becomes a European Standard, 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.

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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.

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European foreword

This document (prEN 9300-110:2025) has been prepared by ASD-STAN.

After enquiries and votes carried out in accordance with the rules of this Association, this document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, prior to its presentation to CEN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 9300-110:2018.

prEN 9300-110:2025 includes the following significant technical changes with respect to EN 9300-110:2018:

— document editorially revised.

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Introduction

This document was prepared jointly by AIA, ASD-STAN, PDES Inc and the prostep ivip Association.

The prostep ivip Association is an international non-profit association in Europe. For establishing leadership in IT-based engineering it offers a moderated platform to its nearly 200 members from leading industries, system vendors and research institutions. Its product and process data standardization activities at European and worldwide levels are well known and accepted. The prostep ivip Association sees this document and the related parts as a milestone of product data technology.

PDES Inc is an international non-profit association in USA. The mission of PDES Inc is to accelerate the development and implementation of ISO 10303 series, enabling enterprise integration and PLM interoperability for member companies. PDES Inc gathers members from leading manufacturers, national government agencies, PLM vendors and research organizations. PDES Inc. supports this document as an industry resource to sustain the interoperability of digital product information, ensuring and maintaining authentic longevity throughout their product lifecycle.

Readers of this document should note that all standards undergo periodic revisions and that any reference made herein to any other standard implies its latest edition, unless otherwise stated.

The Standards will be published under two different standards organizations using different prefixes. ASD-STAN will publish the standard under the number EN 9300-xxx. AIA will publish the standard under the number NAS 9300-xxx. The content in the EN 9300 and NAS 9300 documents will be the same. The differences will be noted in the reference documentation (i.e. for EN 9300 geometric dimensioning and tolerancing will be referenced in ISO 1101 and ISO 16792, and for NAS 9300 the same information will be referenced in ASME Y14.5 and ASME Y 14.41). The document formatting etc., will follow that of the respective editorial rules of ASD-STAN and AIA.

This document defines the requirements on a digital archive to preserve for the long term the 3D explicit geometry of single CAD parts. The goal is to preserve the 3D information without loss with respect to the geometry produced by the original CAD system, following the principles laid down in EN 9300-003 'Fundamentals and Concepts', including the use of an open data format.

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