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**Aeronavtika - LOTAR - Dolgotrajno arhiviranje in iskanje digitalne tehnične dokumentacije o izdelkih, kot so podatki o 3D, CAD in PDM - 003. del: Osnove in pojmi**

Aerospace series - LOTAR - Long Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data - Part 003: Fundamentals and concepts

Luft- und Raumfahrt - LOTAR - Langzeit-Archivierung und -Bereitstellung digitaler technischer Produktdokumentationen, wie zum Beispiel von 3D-, CAD- und PDM-Daten - Teil 003: Grundlagen and Konzepte

Série aérospatiale - LOTAR - Archivage long terme et récupération des données techniques produits numériques telles que CAO, 3D et PDM - Partie 003 : Fondamentaux et concepts

**Ta slovenski standard je istoveten z: EN 9300-003:2026**

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**ICS:**

|           |                                                                     |                                                              |
|-----------|---------------------------------------------------------------------|--------------------------------------------------------------|
| 01.110    | Tehnična dokumentacija za izdelke                                   | Technical product documentation                              |
| 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                       |

**SIST EN 9300-003:2026**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 9300-003**

August 2026

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English Version

**Aerospace series - LOTAR - LOng Term Archiving and  
Retrieval of digital technical product documentation such  
as 3D, CAD and PDM data - Part 003: Fundamentals and  
concepts**

Série aérospatiale - LOTAR - Archivage long terme et  
récupération des données techniques produits  
numériques telles que CAO, 3D et PDM - Partie 003 :  
Fondamentaux et concepts

Luft- und Raumfahrt - LOTAR - Langzeitarchivierung  
und -bereitstellung digitaler technischer  
Produktdokumentationen wie zum Beispiel von 3D-,  
CAD- und PDM-Daten - Teil 003: Grundlagen und  
Konzepte

This European Standard was approved by CEN on 12 July 2026.

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## European foreword

This document (EN 9300-003:2026) has been prepared 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 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 February 2027, and conflicting national standards shall be withdrawn at the latest by February 2027.

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.

This document supersedes EN 9300-003:2012.

EN 9300-003:2026 includes the following significant technical changes with respect to EN 9300-003:2012:

— document editorially revised.

Any feedback and questions on this document should be directed to the users' national standards body. 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.

**EN 9300-003:2026 (E)****Introduction**

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 the 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 standard 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.

Within the context of the EN 9300 series the terms “shall” and “should” are to be used per the TOC-2 NAS Style Guide\_2021 Clauses 3.1 and 3.2:

- “shall” is to be used in an imperative sense. All requirements will be prefaced with a “shall” statement denoting mandatory compliance;
- “should” is to be used to indicate a recommendation. All non-mandatory requirements or statements will be prefaced with a “should” statement denoting non-mandatory action;
- “includes” means “includes but is not limited to”.

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## 1 Scope

This document specifies the fundamentals and concepts for the long-term preservation of digital product and technical data. The EN 9300 series specifies various regulatory and business requirements, applicable domain specific methodologies that are extensible for future long-term archiving formats and data management practices.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 9300-007, *Aerospace series — LOTAR — Long Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data — Part 007: Terms and definitions*

ISO 14721, *Space Data System Practices — Reference model for an open archival information system (OAIS)*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 9300-007 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>

## 4 Applicability

The EN 9300 series is applicable to long-term archiving and retrieval of model-based product data.

Since technical product documentation, such as design documents, are generated, exchanged, and used digitally, architecture, technology, processes, data formats, rules and regulations need to be adapted to enable digital retention and long-term archiving. The EN 9300 series closes this gap as a standard for long-term archival and retrieval of model-based product data.

For further explanation on applicability of this document and its series, see EN 9300-001.

## 5 Fundamentals for Long-Term Archiving and Retrieval (LOTAR)

### 5.1 General

This clause discusses the fundamentals and concepts applicable to the long-term archiving and retrieval of digital product and technical data domain. It provides detailed clarification of these concepts into a context beyond basic definitions defined in EN 9300-007.

Various user communities such as aerospace and defence, automotive or shipbuilding demonstrate specific needs for long-term archiving and retrieval of their product and technical data. This is noted in their diverse retention and archival requirements as well as various data management processes. This clause explains the major differences of the terms “retention” and “archival” and their relation to the scope of the EN 9300 series. See Figure 1.