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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 210: Product management data in an "as designed" view

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 9300-210:2026 sisaldab Euroopa standardi EN 9300-210:2026 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 25.02.2026.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN 9300-210:2026 consists of the English text of the European standard EN 9300-210:2026.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 25.02.2026.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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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 210: Product management data in an "as designed" view

Série aérospatiale - LOTAR - Archivage long terme et récupération des données techniques produits numériques telles que CAO, 3D et PDM - Partie 210 : Données de gestion des produits dans une vue "conforme à la conception "

Luft- und Raumfahrt - LOTAR - Langzeit-Archivierung und -Bereitstellung digitaler technischer Produktdokumentationen, wie zum Beispiel von 3D-, CAD- und PDM-Daten - Teil 210: Produktmanagementdaten in einer "As Designed"-Ansicht

This European Standard was approved by CEN on 2 February 2026.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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 United Kingdom.



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

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European foreword

This document (EN 9300-210:2026) 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 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 August 2026, and conflicting national standards shall be withdrawn at the latest by August 2026.

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.

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.

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, 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. For example, 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 Y 14.5M and ASME Y 14.41. The document formatting, etc., will follow that of the respective editorial rules of ASD-Stan and AIA.

This document provides the Fundamentals and Concepts and approaches of EN 9300 and referenced related standards with regard to the AIA-ASD LOTAR International Standards EN 9300-xxx structure. The EN 9300 top level Standard comprises multiple parts (i.e. -001, -002, -100, -200 etc.) based on business requirements and domain topic, (Basic Parts, Common Parts, Mechanical, Electrical etc.). This document is part of the Product Data Management series (EN 9300-2xx), which can be seen in Table 1.

The EN 9300-210 scope is the “as designed” data used for type certification.

1 Scope

1.1 In Scope

From Clause 8 to Clause 15, the scope includes:

- Management Information;
- Product Design;
- Change Management;
- Documents;
- Application of PDM-specific metadata (in accordance with EN 9300-021);
- Definition of PDM-specific metadata for Archive Information Packages (AIP) (Annex A).

Common Meta Data archive package requirements defined in accordance with EN 9300-021.

A visual representation of the scope of this document can be seen in Figure 1. An overview of the various parts in the EN 9300-200 series is provided in Table 1.

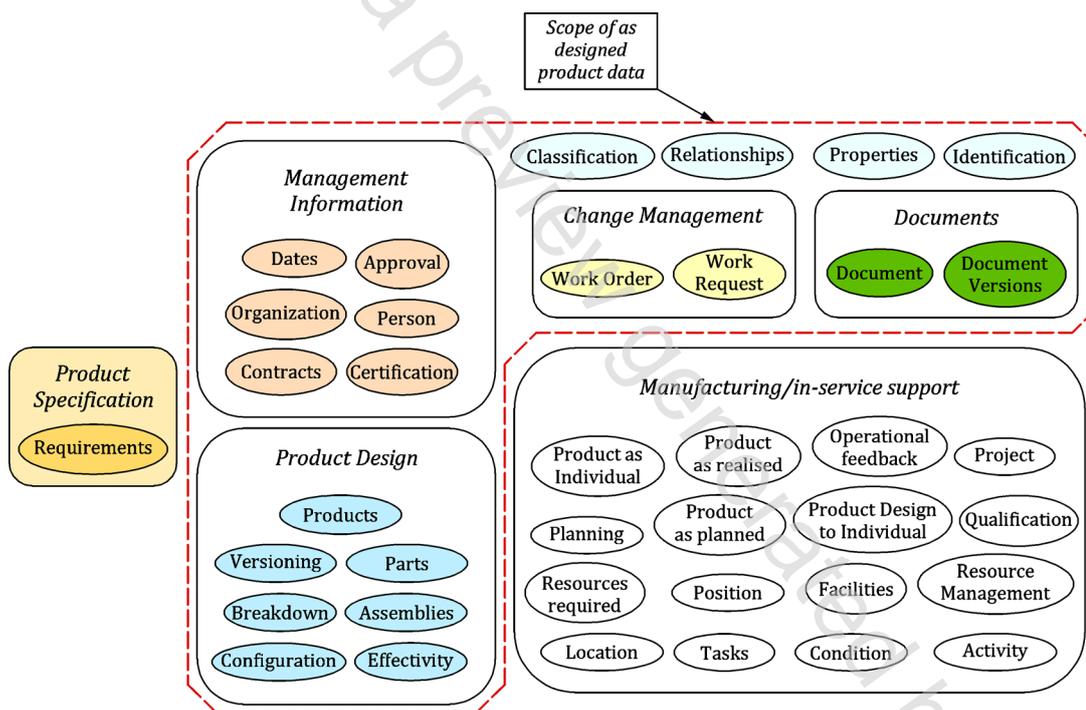


Figure 1 — Scope of EN 9300-210 As Designed

Table 1 — EN 9300 Part 200 series

Data domain specific part	Document Number
Product Management Data in an as designed view	EN 9300-210
Product Management Data in an as delivered/maintained view	EN 9300-230
Product Management Data In-development (including preliminary design review, critical design review, FAI, etc.)	EN 9300-240
Change documentation	EN 9300-250

This document does not attempt to specify how to create an OAIS/LOTAR information package. Nor does it address common issues in the archive domain, such as: snapshot vs. incremental archival methods (which are determined as part of the implementation of an archive system), or package-to-package linkages (Meta Data WG) or how to identify metadata for an archival package (Meta Data WG). Integration of PDM metadata with other domain and common metadata will be in EN 9300-021.

The scope of EN 9300-210 is same as the EN 9300-001.

1.2 Out of Scope

This document does not attempt to specify how to create an OAIS/LOTAR information package. Nor does it address common issues in the archive domain, such as: snapshot vs. incremental archival methods (which are determined as part of the implementation of an archive system), or package-to-package linkages (Meta Data WG) or how to identify metadata for an archival package (Meta Data WG). Integration of PDM metadata with other domain and common metadata will be in EN 9300-021.

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*

3 Terms and definitions

For the purposes of this document, the terms, definitions and abbreviations 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/>

Within the context of EN 9300 series the terms “Shall” and “May” shall be used per the US Code of Federal Regulations (CFR) Title 14 Aeronautics and Space, Chapter 1, Federal Aviation Administration (FAA), Department of Transportation (DoT), Part 1, Definitions, and abbreviations, paragraph 1.3:

- “shall” is used in an imperative sense;
- “may” is used in a permissive sense to state authority or permission to do the act prescribed, and the words “no person may...” or “a person may not...” means that no person is required, authorized, or permitted to do the act prescribed;