

NAS9300-013

Long Term Archiving and Retrieval
of digital technical product documentation
such as 3D, CAD and PDM data

PART 013: Reference process description "Archival Storage"

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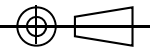
THIRD ANGLE PROJECTION 	CUSTODIAN ENGINEERING MANAGEMENT COMMITTEE	REVISION NEW
PROCUREMENT SPECIFICATION NONE	TITLE LONG TERM ARCHIVING AND RETRIEVAL OF DIGITAL TECHNICAL PRODUCT DOCUMENTATION SUCH AS 3D, CAD AND PDM DATA PART 013: REFERENCE PROCESS DESCRIPTION "ARCHIVAL STORAGE"	CLASSIFICATION STANDARD PRACTICE NAS9300-013 SHEET 1 OF 14

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FIGURES

FIGURE 1 – ARCHIVAL STORAGE PROCESS.....6

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FOREWORD

1. This standard was prepared jointly by AIA, ASD-STAN, PDES Inc and the PROSTEP iViP Association.
2. 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 standard and the related parts as a milestone of product data technology.
3. 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 standard as an industry re-source to sustain the interoperability of digital product information, ensuring and maintaining authentic longevity throughout their product lifecycle.
4. Readers of this standard 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
5. The Standards will be published under two different standards organizations using different prefixes. ASD-STAN will publish the standard under the number EN9300-013. AIA will publish the standard under the number NAS9300-013. The content in the EN9300 and NAS9300 documents will be the same. The differences will be noted in the reference documentation (i.e. for EN9300 Geometric Dimensioning & Tolerancing will be referenced in ISO 1101 and ISO 16792, and for NAS9300 the same information will be referenced in ASME Y14.5 and Y 14.41). The document formatting etc. will follow that of the respective editorial rules of ASD-STAN and AIA.

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1 Scope

NAS9300-013 provides a detailed description for the recommended process of the Archival Information Package within the archive as overviewed in NAS 9300-010. A main focus lays on the secure process, which implies the setting of digital signatures, disaster recovery and update of archive Meta data base.

2 Normative references

The following referenced documents are indispensable for the application 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.

ISO 14721:2012, Space data and information transfer systems — Open archival information system — Reference model [OAIS].

NAS9300-003, 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.

NAS9300-007, Aerospace series — LOTAR — LOng Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data — Part 007: Terms and References.

NAS9300-010, Aerospace series — LOTAR — LOng Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data — Part 010: Overview Data Flow.

3 Terms, definitions and abbreviations

For the purposes of this standard, the terms, definitions and abbreviations given in NAS9300-007 shall apply.

For basic OAIS terms and definitions reference NAS9300-10.

4 Applicability

This NAS9300-013 is applicable to new 3-D product data records and may be applicable to existing 3D product data records, on current and earlier products, produced using previous regulations, standards and procedures. The current version is focused on product data as defined in the domain specific parts.

5 Archival storage

See Figure 1.

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