TÜVIT

Certificate

The certification body of TÜV Informationstechnik GmbH
hereby awards this certificate to the company

Certifcate validity:
2023-07-28 – 2026-07-30

AIRBUS S.A.S.
1 Rond Point Maurice Bellonte
31707 Blagnac, France

to confirm that its document management- and archiving solution

AIRINA

fulfils all applicable requirements of the criteria for document management solutions

AC-DMS, 5th edition 2019 and EN 9300 series*1).

*1) Applied levels: Verification Level 0 & Validation Level 1

The requirements are summarized in the appendix to the certificate.

The appendix is part of the certificate with the ID 9972.23 and consists of 13 pages.

Essen, 2023-07-28

Dr. Christoph Sutter, Head of Certification Body

To Certificate

AC-DMS is a
criteria catalogue of VOI
www.voi.de

TÜV Informationstechnik GmbH
Am TÜV 1 ▪ 45307 Essen, Germany
tuvit.de

TÜVNORDGROUP

Certification scheme

The certification body of TÜV Informationstechnik GmbH performs its certifications on the basis of the following certification scheme:

- German document: „Zertifizierungsprogramm (nicht akkreditierter Bereich) der Zertifizierungsstelle der TÜV Informationstechnik GmbH“, Version 1.1 vom 01.03.2020, TÜV Informationstechnik GmbH

Evaluation report

- “Evaluation Report – Re-Certification – AC-DMS, document management- and archiving solution, AIRINA”, version 1.0 as of 2023-07-26, TÜV Informationstechnik GmbH

Evaluation requirements

- “VOI AC-DMS IT Compliance and Information Security – Audit criteria for electronic document management processes and associated IT solutions”, 5th revised edition 2019, VOI – Verband Organisations- und Informationssysteme e. V.

For the 3D data the following requirements were additional considered in the audit:

- EN 9300-002; Aerospace series - LOTAR - LOng Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data, Part 002: Requirements, 2018, ASD-STAN
- EN 9300-100; Aerospace series - LOTAR - LOng Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data, Part 100: Common concepts for Long term archiving and retrieval of CAD 3D mechanical information, 2018, ASD-STAN
- EN 9300-110; 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, 2018, ASD-STAN
- EN 9300-115; Aerospace series - LOTAR - LOng Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data, Part 115: Explicit CAD assembly structure, 2018, ASD-STAN
- EN 9300-120; Aerospace series - LOTAR - LOng Term Archiving and Retrieval of digital technical product documentation such as 3D CAD and PDM data, Part 120: CAD 3D explicit geometry with product and manufacturing information, 2019, ASD-STAN

The evaluation requirements are summarized at the end. Not applicable requirements are printed in grey.

Certification target

- "AIRINA"
- "Procedural documentation AIRINA - Airbus Enterprise Information Archive", version 2.0 as of 2023-04-17, AIRBUS S.A.S.

Evaluation result

- All applicable AC-DMS and EN 9300-002, -100, -110, -115 and -120 evaluation requirements for verification level 0 and validation level 1 are fulfilled.
- The recommendations of the evaluation report have to be regarded.

Summary of the evaluation requirements

AC-DMS Requirements

1 General description of area of use

1.1 Description of the organisation

1.2 Locations

1.3 Organisation structure

2 Task-related and inherently logical system solution

2.1 Framework, tasks and guidelines

2.2 Description of the organisation

2.3 Document inventories

2.4 Digitisation and taking over of paper documents

2.5 Destruction of paper and other original documents

2.6 Takeover of documents received in electronic form

2.7 Handling of documents with electronic signatures

2.8 Handling of emails

9.3 Interfaces

9.4 Control

10 Internal Control System (ICS)

10.1 Description of the ICS method

10.2 Traceability of controls

10.3 Documentation of the organisational control measures

10.4 Documentation of the technical control measures

10.5 Process documentation

10.6 Control and evaluation of the ICS

10.7 Assignment of responsibilities

EN 9300-002: Requirements

1 General requirements

1.1 System preparation

1.2 Identification of preservation use cases

1.3 Categorization of digital product data to archive

1.4 Specification of the descriptive information of the SIP

1.5 Description of the quality control criteria

1.6 Description of the derivation procedures for the SIP

2 Data preparation

2.1 Preparation of the descriptive information associated to each source of product information

2.2 Preparation of the verification information for each SIP

2.3 Preparation of the validation information associated to each source product information

5.4 Traceability

5.5 Activity Log

5.6 Repository security structure

5.7 Failsafe procedures

5.8 Access and distribution restrictions

5.9 Data content

5.10 File formats / application association

5.11 Multiple file formats of same design

5.12 Variety of types of data objects

5.13 Unique persistent identifier of identification scheme

5.14 Relationships between data objects

5.15 Capture derivative relationships between part designs

5.16 Capture standards metadata

5.17 Unambiguous product definition

5.18 Extensibility

5.19 Links with documents of existing archive systems

5.20 Associated non-product data

5.21 Data integrity

5.22 Descriptions of key performance indicators

5.23 Stored media error detection

5.24 Media refresh

5.25 Design intent integrity

5.26 Storage and retrieval integrity

5.27 Integrity of the data over the entire product / data life cycle

5.28 Migration of conversion of data representations

5.29 Multi-Level architecture

5.30 Audit trail

5.31 Provenance

5.32 Usability after translation

5.33 Description of format and representation

5.34 Core attributes

5.35 Management of descriptive information

6 Administration

6.1 Negotiation of agreements between the producer and the archive

6.2 Configuration management system

6.3 Regulatory and contractual requirements

6.4 Coordination with regulatory agencies

6.5 Contractual requirements

7 Preservation Planning

7.1 Risk management

7.2 Data recovery contingency plan

7.3 Data preservation with external producers

7.4 Inherited product data

7.5 Plan for technology evolution

7.6 Usability planning

7.7 Periodic assessment

7.8 Technology replacement

7.9 Access service presentation

7.10 Minimum access requirements

7.11 Incorporate recommendations

8 Access

8.1 Data retrieval and navigation

8.2 Data retrieval

8.3 Retrieval and navigation maintenance

8.4 Interrogation

8.5 Translation accuracy

8.6 Verification

8.7 Validation properties

8.8 Error detection

8.9 Usability issues

8.10 Proprietary rights identification

EN 9300-100: CAD 3D mechanical

1.1 Long term archiving and retrieval of CAD as part of the company risk management 1

1.2 Long term archiving and retrieval of CAD as part of the company risk management 2

1.3 Long term archiving and retrieval of CAD as part of the company risk management 3

1.4 CAD reference model for long term archiving of design intent

1.5 Qualification methods for long term preservation of archived CAD information

1.6 Specific qualification processes for long term archiving of CAD models and associated tolerance thresholds

1.7 Categorization of CAD archived files according to a risk management analysis 1

1.8 Categorization of CAD archived files according to a risk management analysis 2

1.9 Categorization of CAD archived files according to a risk management analysis 3

1.10 Repair in case of identification of errors after retrieval 1

1.11 Repair in case of identification of errors after retrieval 2

1.12 Preservation planning of archived CAD information

1.13 Evolution of ISO standards of the related relevant recommended practices

1.14 Administration and monitoring

1.15 Preservation description information 1

1.16 Preservation description information 2

1.17 Preservation description information 3

1.18 Preservation description information 4

1.19 Preservation description information 5

1.20 Preservation description information 6

EN 9300-110: Explicit geometry information

1.1 Definition of core model for an explicit geometry

1.2 Verification rules of explicit geometry

1.3 Level of verification 1

1.4 Level of verification 2

1.5 Verification rules

1.6 Evaluation of the values of thresholds 1

1.7 Evaluation of the values of thresholds 2

1.8 Evaluation of the values of thresholds 3

1.9 Results of the verification 1

1.10 Results of the verification 2

1.11 Status information

1.12 Verification reports

1.13 Level of validation 1

1.14 Level of validation 2

1.15 Comparison of the geometrical validation properties 1

1.16 Comparison of the geometrical validation properties 2

1.17 Comparison of the geometrical validation properties 3

1.18 Results of the validation 1

1.19 Results of the validation 2

1.20 Results of the validation 3

1.21 Results of the validation 4

EN 9300-115: Explicit CAD assembly structure

1.1 Definition of verification level

1.2 Validation rules of CAD explicit assembly structure

1.3 Identification of the validation level in AIP

1.4 Identification of the validation level in DIP

EN 9300-120: CAD 3D explicit geometry with product and manufacturing information

1.1 Saved views

1.2 Associativity between the shape and PMI 1

1.3 Associativity between the shape and PMI 2

1.4 Definition of core model for PMI

1.5 Verification rules for PMI

1.6 Validation rules of geometric dimensioning & tolerancing and annotation

1.7 Levels of validation 1

1.8 Levels of validation 2

1.9 Comparison of the PMI validation properties (PMIVP) 1

1.10 Comparison of the PMI validation properties (PMIVP) 2

1.11 Results of the validation at the ingest process (qualify)

1.12 Results of the validation at the retrieval process (comparison)

1.13 Status information

1.14 Validation reports