



SLOVENSKI STANDARD
oSIST prEN 9163:2021
01-junij-2021

Aeronavtika - Zahteve v zvezi s potrdilom o skladnosti

Aerospace series - Certificate of conformance requirements

Série aérospatiale - Exigences relatives au certificat de conformité

Ta slovenski standard je istoveten z: prEN 9163

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ICS:

03.120.20	Certificiranje proizvodov in podjetij. Ugotavljanje skladnosti	Product and company certification. Conformity assessment
49.020	Letala in vesoljska vozila na splošno	Aircraft and space vehicles in general

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en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 9163

April 2021

ICS 03.120.20; 49.020

English Version

Aerospace series - Certificate of conformance requirements

Série aérospatiale - Exigences relatives au certificat de conformité

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.

This draft European Standard was established by CEN 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, Turkey and United Kingdom.

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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.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (prEN 9163:2021) has been prepared by the Aerospace and Defence Industries Association of Europe — Standardization (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.

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Introduction

Aviation, space, and defence organizations (customers) throughout the world receive products (e.g. assemblies, sub-assemblies, equipment and systems, parts, material) or services that are produced by other external providers (suppliers).

Before using these products or services to either manufacture their own products or integrate them into their own products, these organizations need confirmation from their external providers that these products comply with the relevant design data and purchase order (PO) requirements. This is commonly done via an attestation [i.e. Certificate of Conformance (CoC)] from the external provider.

Due to the high number of organizations and external providers, this can result in multiple CoC templates and associated requirements. The objective of this document is to provide requirements for issuing a CoC, harmonizing its content to satisfy a broad range of organizations and external providers, and providing consistent process and documentation requirements for verification of aviation, space, and defence products.

Industry established the International Aerospace Quality Group (IAQG), with representatives from aviation, space, and defence companies in the Americas, Asia/Pacific, and Europe, to implement initiatives that make significant improvements in quality and reductions in cost throughout the value stream. The IAQG benchmarked industry best practices and supporting guidance to develop this document to satisfy associated requirements of Aerospace Quality Management System (AQMS) standards (i.e. EN 9100, EN 9110, EN 9120).

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1 Scope

This document provides a harmonized process and documentation requirements for the establishment of Certificates of Conformance (CoCs) used to attest the conformity of aviation, space, and defence products (e.g. assemblies, sub-assemblies, equipment and systems, parts, material) or services). It includes a CoC template and supporting instructions on how to complete it.

When quoted by the customer in a contractual requirement, application of this document is mandatory. In other cases, its use is recommended, but if there is a conflict between the requirements of this document and customer or applicable statutory/regulatory requirements, the latter take precedence.

Requirements for the establishment of Authorized Release Certificates (ARCs) [e.g. European Union Aviation Safety Agency (EASA) Form 1, Federal Aviation Administration (FAA) 8130-3 tag] by an external provider holding a production approval (for new aviation products; production or spares) or maintenance approval (i.e. for in service repairs, modifications, after sales maintenance, overhaul activities, inspections) are not covered by this document, as applicable rules are defined by the aviation authorities having granted these approvals.

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.

ISO 9000, *Quality management systems — Fundamentals and vocabulary*

[IAQG International Dictionary \(standards.iteh.ai\)](https://standards.iteh.ai/)

3 Terms and definitions

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For the purposes of this document, the terms and definitions given in ISO 9000, the IAQG International Dictionary (located on the IAQG website <https://iaqg.org>) and the following apply. An acronym log for this standard is presented in Annex A.

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

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

3.1

certificate of conformance

certificate of conformity

CoC

documented information that attests product or service conformity/conformance to defined process, design, specification, purchase order, and contractual requirements

Note 1 to entry: “Product” includes assemblies, sub-assemblies, equipment and systems, parts, and material that are produced, repaired, maintained, modified, overhauled, or inspected.

Note 2 to entry: “Service” includes all activities performed by external providers which impact the fit, form, or function of a product and its operations (e.g. installation, removal, rigging, documentation).

Note 3 to entry: When required to deliver a product with an Authorized Release Certificate (ARC), the ARC cannot be substituted with a CoC.

prEN 9163:2021 (E)**4 Minimum information required in a Certificate of Conformance**

4.1 The minimum information required in a CoC (see Annex B and Annex C for further details), include the following:

- 1) page number;
- 2) certificate number;
- 3) date;
- 4) organization (external provider) name and address;
- 5) customer name and address;
- 6) purchase order number;
- 7) item number;
- 8) quantity;
- 9) description;
- 10) revision;

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- 11) traceability;

- 12) remarks;

- 13) conformity details;

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- 14) statement of conformity, name and signature of the individual authorized to release products or services to the customer.

4.2 The statement of conformity, shall indicate or be equivalent to the following:

It is hereby certified that apart from the deviations, concessions, or waivers noted in "Conformity Details", the product(s)/(service(s) detailed above has (have) been manufactured/maintained/reworked/performed/inspected/tested and conform(s) to the applicable specifications, drawings, purchase order and contract requirements.

4.3 Typical CoC template, including the information identified in 4.1 and 4.2, is depicted in Annex B and instructions for the completion of the CoC is provided in Annex C.

- a) Different templates can be used, especially when specified by the customer, as long as they contain the minimum data fields (see 4.1) and same data field reference numbers (1 to 14) depicted in Annex B and Annex C.
- b) When necessary, use of CoC Annexes is acceptable as long as these Annexes and relevant cells are linked to each other through a unique identifier or tracking number.

4.4 The CoC shall be written in English and/or in any other language specified by the customer.

5 Additional requirements for the completion of the Certificate of Conformance

5.1 There can be multiple items (i.e. products or services) listed on a CoC, unless specified differently by the customer. In such case, linkage between each of the items and the corresponding lines of the PO(s) shall be established without ambiguity.

5.2 If a data field (cell) is not applicable, the space shall be completed by entering “N/A” or “None”.

5.3 When the released product or service is impacted by a nonconformity, the external provider shall provide reference to the customer’s acknowledgement (data field #13).

5.4 The organization shall have a process ensuring proper release of the CoC guaranteeing that only authorized personnel can generate, sign, and issue CoCs.

a) The organization shall retain documented information verifying traceability to authorized personnel, and to their relevant skills and competences (e.g. training completed, experience in the conformity attestation process and customer requirements).

b) The organization shall ensure that authorized personnel are aware of their level of responsibilities and the impact of possible noncompliant actions (e.g. mistakes, fraudulent actions).

5.5 The name/signature of the individual signing the CoC (see Annex B; data field #14) shall be legible. Alternatively, the name may be replaced by a specific signatory code provided it is individual, unambiguous, and traceable to the individual without any risk of confusion.

NOTE A specific signatory code can be a series of letters and/or numbers assigned to an authorized individual (e.g. AB12345).

5.6 The signatory code of an individual having changed position or left the organization shall not be used during a period of time sufficient to ensure no confusion exists between the former and new code holder (IAQG recommendation: at least six months).

5.7 Electronically generated CoCs are acceptable, provided they are compliant with all other appropriate elements of this document and customer specific requirements, if applicable.

a) Process rules shall be in place to ensure that only authorized personnel can generate and validate a CoC in the corresponding information technology tool.

b) The following or similar statement shall be included in the CoC (see Annex B; data field #14), “Document electronically generated and validated.”

An electronic representation of the authorized individual’s signature may also be shown but is not mandatory.

5.8 Copies of the CoC may be retained in their original paper format or in a secured database, provided that the database contains all of the information required on the CoC, and they are completed and secured in line with customer and regulatory requirements (e.g. back-up/dual archiving, storage duration, protection against fire and water).

5.9 The CoC shall be retained/archived in the conditions and for the periods defined in accordance with regulatory and customer requirements.

These conditions and periods may differ from one product or service to another, or from one regulatory authority or customer to another. It is recommended to apply the most stringent requirements to all products unless an effective system is in place to manage the differences.

Annex A (informative)

Acronym log

ABNT	Brazilian Association for Technical Norms
AQMS	Aerospace Quality Management System
ARC	Authorized Release Certificate
ASD-STAN	AeroSpace and Defence Industries Association – Standardization
CEN	European Committee for Standardization
CoC	Certificate of Conformance
EASA	European Union Aviation Safety Agency
FAA	Federal Aviation Administration
IAQG	International Aerospace Quality Group
JSA	Japanese Standards Association
PO	Purchase Order
SJAC	Society of Japanese Aerospace Companies

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