Aerospace series - Quality systems - Direct Delivery Authorization - Guidance for Aerospace Companies

EESTI STANDARDIKESKUS
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NATIONAL FOREWORD

See Eesti standard EVS-EN 9107:2018 sisaldab Euroopa standardi EN 9107:2018 ingliskeelset teksti.	This Estonian standard EVS-EN 9107:2018 consists of the English text of the European standard EN 9107:2018.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 12.12.2018.	Date of Availability of the European standard is 12.12.2018.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

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European foreword

This document (EN 9107:2018) 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, prior to its presentation to CEN.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

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.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Rationale

This document was revised to coincide with European Union (EU) Commission Regulation No. 748/2012 of 3rd August 2012 as amended by EU Commission Regulations No. 7/2013 of 8th January 2013 and No. 69/2014 of 27th January 2014, and the associated Acceptable Means of Compliance (AMC) and Guidance Material (GM) to Part 21 of EU Commission Regulation No. 748/2012. All other changes made to the document presented herein were editorial in nature.

Foreword

To assure customer satisfaction, the aviation, space, and defence industry organisations must produce and continually improve safe, reliable products that meet or exceed customer and regulatory authority requirements. The globalization of the industry, and the resulting diversity of regional/national requirements and expectations, has complicated this objective. End-product organisations face the challenge of assuring the quality of, and integrating, product purchased from suppliers throughout the world and at all levels within the supply chain. Industry suppliers and processors face the challenge of delivering product to multiple customers having varying quality expectations and requirements.

The aviation, space, and defence industry established the International Aerospace Quality Group (IAQG) for the purpose of achieving significant improvements in quality and safety, and reductions in cost, throughout the value stream. This organisation includes representation from companies in the Americas, Asia/Pacific, and Europe.

This document standardizes requirements for the “direct delivery” of articles from a Production Organisation (PO); it was originally produced as a cooperative effort between the European Aviation Safety Agency (EASA) and the IAQG. The establishment of common expectations, for use at all levels of the supply-chain by organisations, should result in improved quality and safety, and decreased costs, due to the elimination or reduction of organisation-unique requirements and the resultant variation inherent in these multiple expectations.

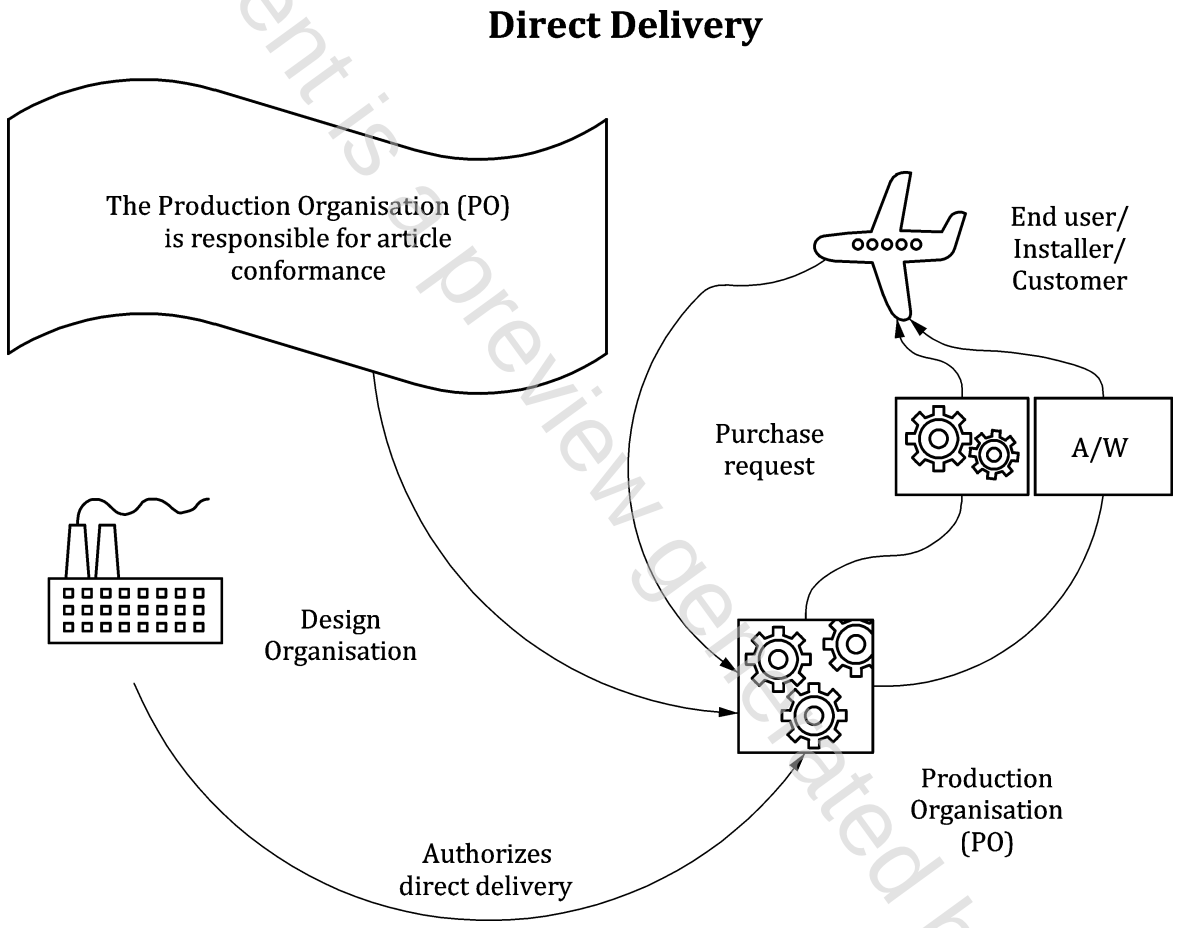
1 Scope

1.1 General

Limited to the commercial aerospace industry where a request is made for a PO to have Direct Delivery Authorization (DDA), which includes an Appropriate Arrangement (AA) between the PO and the Design Organisation (DO). In this process the DO is responsible for ensuring the continuous updating of design and airworthiness data to the PO, whilst the PO is responsible for assurance that the manufactured article conforms to approved design and airworthiness data. The PO is responsible to provide airworthiness release documentation.

1.2 Purpose

This document provides guidance to a PO and DO on how to comply with the DDA, including AA requirements per the applicable documents referenced in Clause 2 (see Figure 1).



Key

A/W Airworthiness release documentation

Figure 1 — Direct delivery overview

2 Applicable documents

These include, but are not limited to.

2.1 European Aviation Safety Agency publications

a) EU Commission Regulation No. 748/2012, Annex I, Subpart G — Production Organisation Approval, Part 21.A.133, *Eligibility*, paragraph (c)

b) EU Commission Regulation No. 748/2012, Annex I, Subpart G — Production Organisation Approval, Part 21.A.165, *Obligations of the holder*

c) Acceptable Means of Compliance (AMC) 21.A.4, *Transferring of information on eligibility and approval status from the design holder to production organisations*

d) AMC No. 1 to 21.A.133(b) and (c), *Eligibility — Link between design and production organisations*

e) AMC No. 2 to 21.A.133(b) and (c), *Eligibility — Link between design and production organisations*

2.2 Federal Aviation Administration publications

a) 14 Code of Federal Regulations (CFR) Part 21, Certification Procedures for Products, Articles, Parts

2.3 Transport Canada publications

a) Canadian Aviation Regulations (CARs) Part V — Airworthiness

3 Terms and definitions

For the purposes of this document, the following terms and definitions given in Annex A and the following apply.

3.1
Appropriate Arrangement
AA
documented link between a DO and PO that describes the required coordination necessary to ensure airworthiness data and continuing airworthiness matters is satisfactory, and meets regulatory authority requirements

3.2
approved application
designation of the product, part, appliance, etc. having design and airworthiness data approval by a regulatory authority for which an article is eligible for installation

3.3
approved design and airworthiness data
after issuance of the Type Certificate (TC), Supplemental Type Certificate (STC), Parts Manufacturer Approval (PMA), Technical Standard Order (TSO)/Joint Technical Standard Order (JTSO)/European Technical Standard Order (ETSO) Authorization or equivalent by the regulatory authority, design and airworthiness data is defined as “approved”; Items manufactured in conformity to this data are eligible to be released using Authorised/Authorized Release Certificates (ARCs) certifying airworthiness

Note 1 to entry: The approved design and airworthiness data typically consists of drawings, material specifications, dimensional data, processes, surface treatments, shipping conditions, quality requirements, etc.