

SLOVENSKI STANDARD SIST EN 9117:2018

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Aeronavtika - Delegirano preverjanje puščanja izdelka v uporabo

Aerospace series - Delegated Product Release Verification

Luft- und Raumfahrt - Übertragung der Produktfreigabeprüfung

Série aérospatiale - Délégation de l'inspection du produit avant livraison

Ta slovenski standard je istoveten z: EN 9117:2017

<u>SIST EN 9117:2018</u>

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ICS:

49.020 Letala in vesoljska vozila na Aircraft and space vehicles in

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English Version

Aerospace series - Delegated Product Release Verification

Série aérospatiale - Délégation de l'inspection du produit avant livraison

Luft- und Raumfahrt - Übertragene Produktfreigabeprüfung

This European Standard was approved by CEN on 16 July 2017.

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, 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 United Kingdom.

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

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EN 9117:2017 (E)

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European foreword

This document (EN 9117:2017) 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 Standard 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 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 April 2018, and conflicting national standards shall be withdrawn at the latest by April 2018.

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, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom. (standards.iteh.ai)

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Rationale

The process for Delegated Product Release Verification (DPRV) varies from one organization to another. Implementation of a standard process reduces the risk of escapes in the aviation, space, and defence industry supply chain, when the organization's product release verification has been delegated to a supplier.

Foreword

To assure customer satisfaction, the aviation, space, and defence industry organizations 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 organizations 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. Furthermore, suppliers and processors, within the industry, face the challenge of delivering product to multiple customers having varying quality expectations and requirements. Teh STANDARD PREVIEW

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 organization includes representation from companies in the Americas, Asia / Pacific, and Europe. This document defines the minimum requirements for delegation of product release to a supplier within the aviation, space, and defence industry. The establishment of common requirements should result in improved quality, safety, and reduced costs by minimizing customer specific requirements and the resultant variation inherent in these multiple expectations. While primarily developed for the aviation, space, and defence industry, this standard can also be used in other industry sectors where a DPRV process may be of benefit.

1 Scope

1.1 General

This standard specifies requirements for DPRV to establish common product / service requirements for use at all levels of the supply chain. This standard shall apply when an organization elects to delegate product release verification by contractual flow down to their supplier (reference EN 9100 and EN 9110 standards); to perform product acceptance on their behalf.

The delegating organization shall use this standard as the baseline for establishing a DPRV process, although they may include additional contract requirements to meet their specific needs.

1.2 Application

This standard is intended for use by organizations that produce and/or provide aviation, space, and defence products, including organizations providing maintenance, spare parts, materials, and services.

It is emphasized that the requirements specified in this standard are complementary, not alternative, to contractual and applicable statutory and regulatory requirements. Should there be a conflict between the requirements of this standard and applicable contractual, statutory, or regulatory requirements, the latter shall take precedence.

2 Normative references iTeh STANDARD PREVIEW

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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EN 9100, Quality Management Systems at Requirement for Aviation, Space and Defence Organization 6726a8260db6/sist-en-9117-2018

EN 9102, Quality Management Systems — Aerospace First Article Inspection Requirement

EN 9107, Quality Systems — Direct Delivery Authorization — Guidance for Aerospace Companies 1)

EN 9110, Quality Management Systems — Requirements for Aviation Maintenance Organizations

EN 9114, Quality Systems — Direct Ship — Guidance for Aerospace Companies 1)

NOTE Equivalent versions (e.g., AS, EN, JISQ, SJAC, NBR) of the IAQG standards listed above are published internationally in each IAQG sector.

ISO 9000, Quality Management Systems — Fundamentals and Vocabulary²⁾

¹⁾ Published as ASD-STAN Prestandard at the date of publication of this standard. http://www.asd-stan.org/

²⁾ Published by: ISO International Organization for Standardization. http://www.iso.ch/

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3 Terms and definitions

For the purposes of this standard, the following terms and definitions apply.

3.1

Delegate Product Release Verification (DPRV)

process whereby a supplier is delegated the authority to act on behalf of the delegating organization to verify and release products / services

3.2

final inspection

verification of product features and documentation to validate that the completed product conforms to all customer requirements

3.3

organization

group of people and facilities with an arrangement of responsibilities, authorities, and relationships

[SOURCE: ISO 9000:2000, 3.1.1]

3.4

supplier

organization or person that provides a product or service iTeh STANDARD PREVIEW

[SOURCE: ISO 9000:2015, 3.2.5, modified] (standards.iteh.ai)

Requirements

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4.1 System requirements for delegating organization 0a69cf-5c7d-4c2e-b9dd-260db6/sist-en-9117-2018

- **4.1.1** The delegating organization shall have a documented process defining their delegation requirements, including the organization's responsibilities and authority for selection, qualification, maintenance, removal, suspension, and limitation of the delegation.
- **4.1.2** DPRV supplier selection criteria shall include the following:
- The supplier shall be approved on the delegating organization's supplier register.
- The delegating organization shall provide documented authorization of the supplier's participation b) in their DPRV program.
- During selection of suppliers for DPRV, the delegating organization shall review the supplier's quality performance. Supplier performance criteria shall be defined and documented by the delegating organization. The data reviewed shall include a measure of product / process conformance and responsiveness to corrective action requests.
- The delegating organization shall verify that the supplier is knowledgeable of its requirements and expectations associated to product quality.

- **4.1.3** The delegating organization shall define and document the scope and limitations of the delegation. Documentation stating the scope and limitations of delegation shall be provided to and acknowledged by the supplier.
- **4.1.4** The delegating organization shall define change notification requirements to the supplier. These requirements shall include the type of changes requiring notification and process for communicating these changes.
- **4.1.5** The delegating organization's maintenance process for DPRV shall, at a minimum, include the following:
- a) A periodic review of the supplier's quality performance.
- b) A periodic inspection and/or validation of product.
- c) A periodic review of the supplier's DPRV process.
- d) Actions to address poor supplier performance.
- e) Criteria to remove, suspend, and limit the delegation to the supplier and/or DPRV personnel.

4.2 Supplier responsibilities

- **4.2.1** The supplier shall maintain their QMS approval.
- **4.2.2** The supplier's QMS shall have a documented process detailing the requirements for the DPRV, including the establishment of process controls and monitoring for process effectiveness.
- **4.2.3** The supplier shall keep a list of authorized DPRV personnel, including the associated scope of approval.

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- **4.2.4** The supplier is responsible for assuring that the authorized DPRV personnel have prerequisites, including but not limited to those listed below, sufficient to be able to perform their duties.
- a) Access to product-related documentation.
- b) Access to necessary facilities and equipment to be able to perform DPRV activities.
- c) Sufficient time allotted to adequately perform the associated product verification activities.
- d) The authority to suspend the release of products, until all open issues associated with the product being released are addressed.
- e) Documented and demonstrable proficiency and training, including appropriate product knowledge.