Aerospace series - Quality systems - First article inspection

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EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 9102:2006 sisaldab Euroopa standardi EN 9102:2006 ingliskeelset teksti. Käesolev dokument on jõustatud 29.05.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 9102:2006 consists of the English text of the European standard EN 9102:2006. This document is endorsed on 29.05.2006 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: This standard establishes requirements for performing and documenting the First Article Inspection (FAI).	**Scope:** This standard establishes requirements for performing and documenting the First Article Inspection (FAI).

ICS 03.120.10, 49.020

Võtmesõnad:

EUROPEAN STANDARD

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English Version

Aerospace series - Quality systems - First article inspection

Série aérospatiale - Systèmes qualité - Revue premier article

Luft- und Raumfahrt - Qualitätsmanagement - Erstmusterprüfung

This European Standard was approved by CEN on 28 October 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

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Foreword

This European Standard (EN 9102:2006) has been prepared by the European Association of Aerospace Manufacturers - Standardization (AECMA-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 AECMA, 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 October 2006, and conflicting national standards shall be withdrawn at the latest by October 2006.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

In December 1998, the Aerospace Industry has established the International Aerospace Quality Group (IAQG) with the purpose of achieving significant improvements in quality and reductions in cost throughout the value stream.

This organization, with representation from Aerospace companies in Americas, Asia and Europe and sponsored by SAE, SJAC and AECMA has agreed to take responsibility for the technical contents of this standard.

This standard was reviewed by the Domain Technical Coordinator of AECMA-STAN's Quality Domain.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

1.1 General

This standard establishes requirements for performing and documenting the First Article Inspection (FAI).

1.2 Purpose

The purpose of the First Article Inspection is to give objective evidence that all engineering, design and specification requirements are correctly understood, accounted for, verified, and recorded. The purpose of this standard is to provide a consistent documentation requirement for aerospace components FAI.

1.3 Convention

The following convention is used in this standard.

— The words “shall” and “must” indicate mandatory requirements.

— The word “should” indicates mandatory requirements with some flexibility allowed in compliance methodology. An organization is permitted to show that its approach meets the intent of the requirement and this standard.

— Words “typical”, “example” or “e.g.” show suggestions given for guidance only.

— “Notes” are used for additional clarification.

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.

EN 9103, *Aerospace series — Quality management systems — Variation management of key characteristics.*

EN 9131, *Aerospace series — Quality management systems — Nonconformance documentation.* [1)]

3 Terms and definitions

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

3.1
attribute data
result from a characteristic or property that is appraised only as to whether it does or does not conform to a given requirement (for example, go/no-go, accept/reject, pass/fail, etc.)

3.2
deliverable software
embedded or loadable airborne, space borne or ground support software components that are part of an aircraft type design, weapon system, missile or spacecraft

1) Published as AECMA Prestandard at the date of publication of this standard.