



# SLOVENSKI STANDARD

## SIST EN 2000:2001

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### Aerospace series - Quality assurance - EN aerospace products - Approval of the quality system of manufacturers

Aerospace series - Quality assurance - EN aerospace products - Approval of the quality system of manufacturers

Luft- und Raumfahrt - Qualitätssicherung - EN-Erzeugnisse der Luft- und Raumfahrt - Anerkennung des Qualitätssicherungssystems der Hersteller

Série aérospatiale - Assurance qualité - Produits aérospatiaux EN - Agrément du système qualité des fabricants

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#### **ICS:**

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49.020	Letala in vesoljska vozila na splošno	Aircraft and space vehicles in general

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English version

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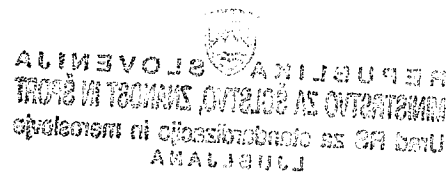
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CEN

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat : Rue de Stassart, 36, B—1050 Bruxelles

Foreword



This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After inquiries and votes carried out in accordance with the rules of this Association, this Standard has successively received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

According to the Common CEN/CENELEC Rules, the following countries are bound to implement this European Standard :

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Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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## 0 Introduction

It is essential that products defined by European Aerospace Series Standards (EN) conform with the requirements of these standards, and that the quality of the products be consistently maintained. To this effect, a qualification system, AECMA-CERT, for manufacturer and product is implemented. It is based upon :

- the approval of the manufacturer's quality system, as defined in this standard,
- the qualification of the standard product if required by the EN standards, as defined in EN 3042.

## 1 Scope and field of application

This standard prescribes the requirements and the procedure for approving the quality system implemented by the manufacturer, for manufacturing EN aerospace products. It also provides instructions for verifying that this approved system is maintained.

It is applicable whenever referenced.

## 2 References

ISO 8402	Quality - Vocabulary
ISO 9002	Quality Systems - Model for quality assurance in production and installation
EN 3042	Aerospace Series - Quality Assurance - EN aerospace products - Qualification procedure
TR 3040-1	Aerospace Series - Quality Assurance - EN aerospace products - Part 1 - List of approved manufacturers <sup>1)</sup> .

## 3 Definitions

### 3.1 EN aerospace products

Those parts, materials and processes which comply with the relevant EN aerospace standards.

### 3.2 Manufacturer

Company or organization manufacturing EN aerospace products.

### 3.3 User

Body which uses EN aerospace products and is fully responsible for their quality.

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1) In preparation at the date of publication of the present standard.

### 3.4 Mandated body

Body designated by AECMA-CERT and tasked with assessing the manufacturer's quality system against the requirements of ISO 9002.

### 3.5 Quality <sup>1)</sup>

The totality of features and characteristics of a product or service that bear on its ability to satisfy stated or implied needs.

### 3.6 Quality system <sup>1)</sup>

The organizational structure, responsibilities, procedures, processes and resources for implementing quality management.

### 3.7 Quality management <sup>1)</sup>

That aspect of the overall management function that determines and implements the quality policy.

### 3.8 Quality policy <sup>1)</sup>

The overall quality intentions and direction of an organization as regards quality, as formally expressed by executive management.

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### 3.9 Approval of a manufacturer's quality system

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Act by which AECMA-CERT recognizes that the manufacturer has implemented a quality system complying with ISO 9002 for the continuous production of EN aerospace products.

### 3.10 Product qualification

Act by which it is demonstrated that a product complies with the requirements of the EN standard defining it.

### 3.11 Approval certificate

A serialized document in which AECMA-CERT certifies that the manufacturer's quality system complies with ISO 9002.

## 4 Requirements

The quality system of the manufacturer shall meet the requirements of ISO 9002.

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1) Conforms to ISO 8402.

## 5 Procedures

5.1 The manufacturer wishing to be approved shall write to AECMA-CERT, and specify :

- the description of the products he wishes to manufacture and the reference of the corresponding EN standards ;
- the names of aerospace companies wishing to purchase these products from him.

To this request shall be attached :

- a general presentation of the company (organization, products manufactured, manpower, facilities . . .) ;
- the company quality manual, or equivalent document ;
- the list of approvals or qualifications already granted, and, if any, information about the results of evaluations already performed.

5.2 After examination of the information specified in 5.1, AECMA-CERT shall send a request for evaluation to the mandated body, together with any relevant information.

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5.3 After having carried out the evaluation, the mandated body shall write a report, and forward it to the manufacturer and to AECMA-CERT.

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This report shall include at least : <https://standards.iteh.ai/catalog/standards/sist/7be8b6a7-113b-4ef2-940b-2c048286ef37/sist-en-2000-2001>

- a judgement on the quality system : strong and weak points, deviations from ISO 9002 ;
- a judgement on the organization and manpower, and on the facilities implemented for the intended manufacture of the products.

The mandated body shall also prepare a recommendation for :

- approval or rejection of the quality system,
- required corrective actions.

This shall be distributed to AECMA-CERT only.

5.4 After consideration of this report, AECMA-CERT shall decide whether or not to grant the manufacturer the approval certificate for his quality system, specifying each of the places of manufacture, and the family of products it refers to.

The user shall appreciate whether the organization which granted approval and the rules to which they conformed, as well as the evidence produced by the manufacturer, are satisfactory to him, taking into account his contractual commitments and/or his legal obligations. If this is not satisfactory to him, the user may conduct or have conducted on his behalf, a complementary evaluation.

5.5 In case of dispute, appeal can be made to the AECMA-CERT appeal committee.

5.6 The approval is valid for a maximum of 3 years. During this period, audits initiated by AECMA-CERT may be performed in the following cases :

- if corrective actions were imperatively requested during a previous audit, with deadlines for application ;
- complaints by users ;
- at random, to demonstrate conformity of the manufacturer's quality system.

In due time before the end of this validity period, AECMA-CERT shall perform, via a mandated body, an audit of the manufacturer's quality system, to ascertain that the previous conditions were at least maintained, and to consider the effect of possible evolutions. After examination of the audit report, AECMA-CERT shall decide whether or not the approval will be renewed.

5.7 Users of EN aerospace products shall report to AECMA-CERT any failure or problem relative to these products.

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5.8 The manufacturer shall inform AECMA-CERT of any proposed change with dates in his quality system which might affect the granted approval, and of any evolutions in the company situation (merger, take-over, winding-up . . .). AECMA-CERT shall examine in each case the arrangements to be taken.

5.9 All information provided to AECMA-CERT shall be treated in accordance with the confidentiality requirements of AECMA-CERT.

## 6 List of approved manufacturers

See TR 3040-1.