



**SLOVENSKI STANDARD**  
**SIST EN 3042:2001**  
**01-januar-2001**

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**Aerospace series - Quality assurance - EN aerospace products - Qualification procedure**

Aerospace series - Quality assurance - EN aerospace products - Qualification procedure

Luft- und Raumfahrt - Qualitätssicherung - EN-Erzeugnisse der Luft- und Raumfahrt - Qualifikationsverfahren

**iTeh STANDARD PREVIEW**

Série aérospatiale - Assurance qualité - Produits aérospatiaux EN - Procédure de qualification

[SIST EN 3042:2001](https://standards.iteh.ai/catalog/standards/sist/5a773f3b-33f7-4ac3-81de-74a0db14d99e/sist-en-3042-2001)

**Ta slovenski standard je istoveten z: EN 3042:1991**

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**ICS:**

03.120.10	Vodenje in zagotavljanje kakovosti	Quality management and quality assurance
49.020	Letala in vesoljska vozila na splošno	Aircraft and space vehicles in general

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EUROPEAN STANDARD  
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## English version

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN 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 CEN Central Secretariat has the same status as the official versions.

CEN members are the national standards organizations of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxemburg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**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).

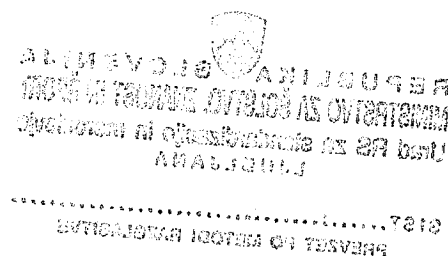
After inquiries and votes carried out in accordance with the rules of this Association, this Standard has successively received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

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 EN 2000 ;
- the qualification of the standard product according to the procedure defined in this standard.

## 1 Scope and field of application

This standard prescribes the qualification procedure for EN aerospace products.

It is applicable in conjunction with EN 2000 whenever it is referenced in the EN standards.

## 2 References

EN 2000	Aerospace series - Quality assurance - EN aerospace products - Approval of the quality system of manufacturers
TR 3040-2	Aerospace series - Quality assurance - EN aerospace products - Part 2 - List of qualified products 1). (standards.iteh.ai)

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## 3 Definitions

### 3.1 The terms

- EN aerospace products,
- manufacturer,
- user,

are defined in EN 2000.

### 3.2 Mandated body

Body designated by AECMA-CERT and tasked with assessing whether the manufacturer's products comply with the relevant EN standards.

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1) Published as AECMA Technical Report at the date of publication of the present standard.

### 3.3 Product qualification certificate

A serialized document in which AECMA-CERT certifies that a product has been qualified according to the relevant standards (example, see annex A).

## 4 Procedures

4.1 The manufacturer wishing his products to be qualified shall write to AECMA-CERT, and specify :

- the description of the products object of the qualification request 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 (when they are not already held by AECMA-CERT) :

- 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.

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4.2 After examination of the information specified in 4.1, provided the manufacturer's quality system evaluation according to EN 2000 has been successful, AECMA-CERT shall designate a mandated body in charge of :

- requesting the manufacturer to implement a qualification test programme, and to specify the place and facilities proposed to achieve this programme ;
- evaluating this programme ;
- defining time-scales ;
- ensuring that this programme is correctly achieved ;
- drawing up a report (see 4.7).

4.3 The mandated body shall have access to the manufacturing and inspection file of the concerned products to evaluate it. It shall also have access to the records of the inspections carried out at the appropriate stages of manufacture. The manufacturer shall identify the significant operations and parameters ; these shall not be modified without prior approval from AECMA-CERT.

**4.4** The products to be tested shall be manufactured according to the manufacturing and inspection file applicable for serial production.

**4.5** During the testing process, the mandated body reserves the right to proceed to tests verification, and also to have counter tests performed, when it is deemed necessary.

**4.6** At the end of the qualification test programme, the manufacturer shall be responsible for the production of a detailed report, giving the obtained results. This report shall be submitted to the mandated body.

**4.7** After examination of the test results, the mandated body shall write a report and forward it to the manufacturer and to AECMA-CERT.

This report shall include at least :

- a judgement on the implementation of the product manufacturing method, as defined in the manufacturing and inspection file ;
- a judgement on the test results obtained.

The mandated body shall also prepare a recommendation for :

- acceptance or rejection of the product qualification ;
- required corrective actions.

This shall be distributed to AECMA-CERT only

**4.8** After consideration of this report, AECMA-CERT shall decide whether or not to grant the manufacturer the qualification certificate for the products concerned. This certificate shall contain the following information :

- reference of the EN standards defining the products ;
- name of manufacturer and place of manufacture ;
- number and granting date of the certificate.

The user shall appreciate whether the organization which granted qualification 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 legal obligations. If this is not satisfactory to him, the user may conduct or have conducted on his behalf, complementary evaluations which he judges are necessary.

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

**4.10** This qualification certificate is valid for a maximum of 3 years. In due time before the end of this validity period, AECMA-CERT shall have a mandated body perform an audit at the place of manufacture to verify that the manufacturing process was not modified in a way which may affect the performance of the product. After examination of the audit report, AECMA-CERT shall decide whether or not the qualification can be renewed.

**4.11** Users of EN aerospace products shall report to AECMA-CERT any failure or problem relative to the EN qualified products.

**4.12** In the case of complaint from the users to AECMA-CERT on the performance of an EN aerospace product provided with a qualification certificate, AECMA-CERT shall request a mandated body to perform an audit at the place of manufacture. After consideration of the audit report, AECMA-CERT shall notify the manufacturer of the decision taken.

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

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

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## **5 List of qualified products**

See TR 3040-2.