EESTI STANDARD EVS-EN 2591-401:2000

Lennunduse ja kosmonautika seeria. Elektriliste ja optiliste ühenduste elemendid. Katsemeetodid. Osa 401: Kiirendus, ühtlane

Aerospace series - Elements of electrical and optical connection - Test methods - Part 401: Acceleration, steady state

EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 2591-401:2000 sisaldab Euroopa standardi EN 2591-401:1996 ingliskeelset teksti. Käesolev dokument on jõustatud 20.03.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 2591-401:2000 consists of the English text of the European standard EN 2591-401:1996. This document is endorsed on 20.03.2000 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: Käesolev standard määrab kindlaks ühenduselemendi ühtlasele kiirendusele vastupanuvõime kindlakstegemise meetodi. Seda standardit tuleks kasutada koos standardiga EN 2591.	**Scope:**

ICS 49.060

Võtmesõnad: elektrilised ja optilised ühenduselemendid, lennundus- ja kosmosetööstus, lennundusseadmestik, testimine

AECMA

EUROPEAN STANDARD

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EVS **EN 2591-401**

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English version

Aerospace series - Elements of electrical and optical connection - Test methods - Part 401: Acceleration, steady state

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 401: Accélération constante

Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 401: Konstante Beschleunigung

This European Standard was approved by CEN on 1992-10-19. 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.

The European Standards exist 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

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

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Ref. No. EN 2591-401:1996 E

Foreword

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

The alphanumerical designation of the parts of EN 2591 has been abandoned for a numerical designation in line with the Internal Regulations of CEN/CENELEC. This European Standard is the integral reproduction of the European Standard EN 2591-D1 after application of this decision, without any other modification than the change in numbering.

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 August 1996, and conflicting national standards shall be withdrawn at the latest by August 1996.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom

1 Scope

This standard specifies a method to determine the ability of an element of connection to withstand steady-state accelerations. It shall be used together with EN 2591.

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 2591	Aerospace series - Elements of electrical and optical connection - Test methods - General
EN 2591-101	Aerospace series - Elements of electrical and optical connection - Test methods - Part 101 : Visual examination
EN 2591-201	Aerospace series - Elements of electrical and optical connection - Test methods - Part 201 : Contact resistance - Low level
EN 2591-202	Aerospace series - Elements of electrical and optical connection - Test methods - Part 202 : Contact resistance at rated current
EN 2591-204	Aerospace series - Elements of electrical and optical connection - Test methods - Part 204 : Discontinuity of contacts in the microsecond range
EN 2591-408	Aerospace series - Elements of electrical and optical connection - Test methods - Part 408 : Mating and unmating forces [1)]

3 Preparation of the specimens

3.1 They shall be fitted with their standard accessories, mounted so that all mechanical features (fixing, locking device ...) are fully used, and wired.

The test shall be carried out on mated specimens.

3.2 Unless indicated in the technical specification or EN 2591, the following details shall be specified:

- method of mounting and wiring of the specimen;
- initial measurements and requirements;
- acceleration level;
- requirements for final measurements;
- number of directions.

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