SLOVENSKI STANDARD
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Aerospace series - Elements of electrical and optical connection - Test methods - Part 427: Robustness of protective cover attachment

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Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 427: Widerstandsfähigkeit des Ketten- bzw. Seilanschlusses der Schutzkappe

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 427 : Robustesse de l'attache du bouchon de vol

Ta slovenski standard je istoveten z: **EN 2591-427:2001**

ICS:

49.060	Letalska in vesoljska elektriļ na oprema in sistemi	Aerospace electric equipment and systems

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EUROPEAN STANDARD

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This European Standard was approved by CEN on 4 June 2001.

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 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 Management Centre has the same status as the official versions.

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

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

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Ref. No. EN 2591-427:2001 E

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 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 May 2002, and conflicting national standards shall be withdrawn at the latest by May 2002.

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

1 Scope

This standard specifies a method of assessing the robustness of the attachment of protective covers used in elements of electrical and optical connection.

It shall be used together with EN 2591-100.

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 2591-100 Aerospace series – Elements of electrical and optical connection – Test methods – Part 100: General [1)]

EN 2591-101 Aerospace series – Elements of electrical and optical connection – Test methods – Part 101: Visual examination

3 Preparation of specimens

Unless specified in the technical specification, the following details shall be stated:

- type of protective cover;
- value of the force;
- number of specimens;
- requirement.

4 Apparatus

- Equipement for applying tensile force
- Test fixture

5 Method

5.1 Procedure

Specimens shall be mounted on the test fixture.

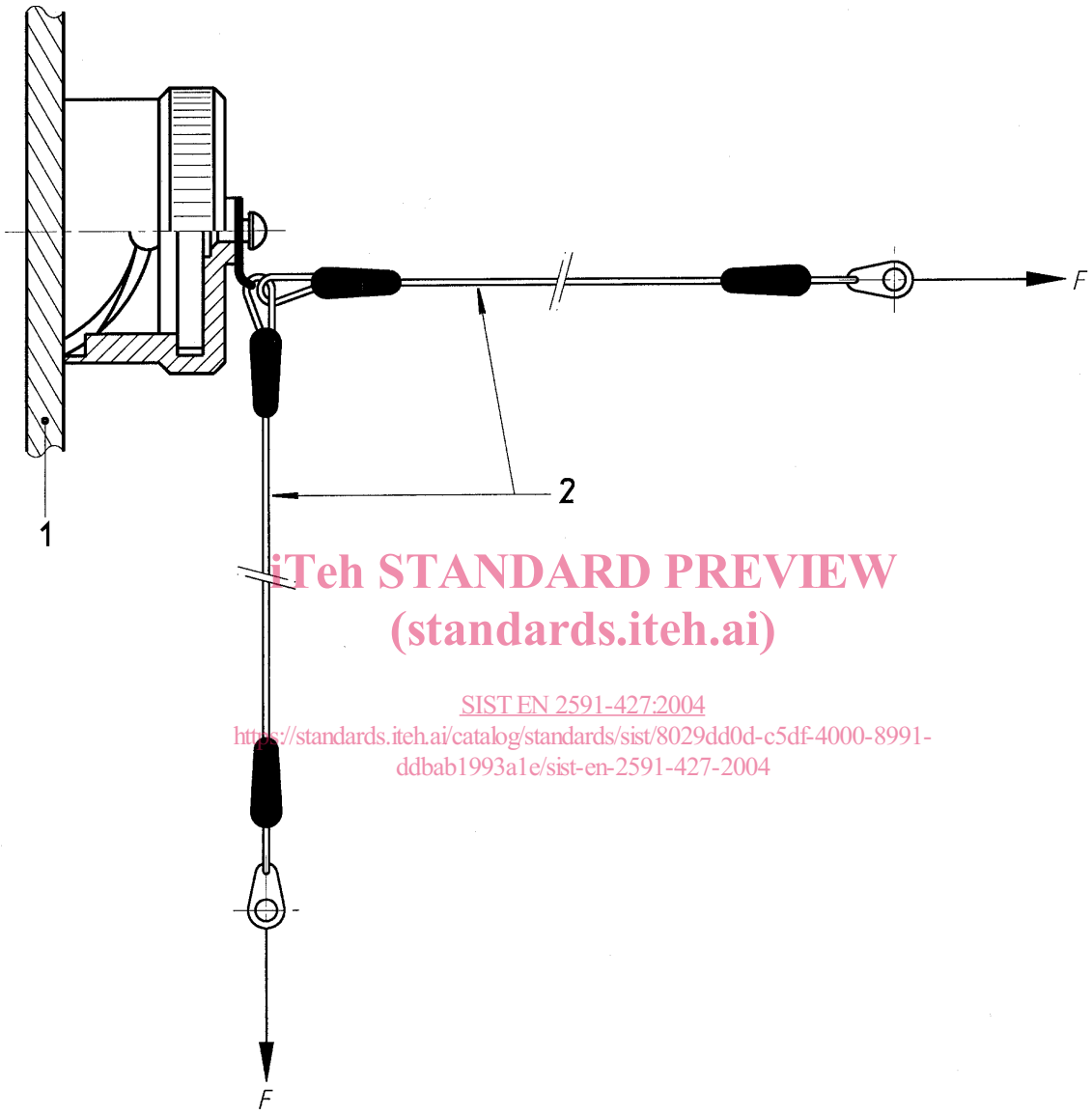
The force shall be applied to the specimen in each of the directions shown in figure 1. It shall be increased at a rate not exceeding 45 N/s until the specified value is reached and maintained for 5 min.

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

5.2 Requirement

EN 2591-101

No break of the specimen shall be observed.



Key

1 Text fixture
2 Direction of force to be applied

Figure 1 – Directions of force to be applied