



SLOVENSKI STANDARD SIST EN 2591-705:2004

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Aerospace series - Elements of electrical and optical connection - Test methods - Part 705: Electrical elements - Measurement of stub input impedance of couplers

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Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 705: Elektrische Elemente - Messung der Eingangsimpedanz einer Stichleitung von Kopplern

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Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 705 : Organes électriques - Mesure de l'impédance d'entrée de la dérivation des coupleurs

Ta slovenski standard je istoveten z: EN 2591-705:2001

ICS:

49.060 Štejni in optični elementi za povezavo električnih in optičnih sistemov v letalski in vesoljski tehniki
Aerospace electric equipment and systems

SIST EN 2591-705:2004

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EUROPEAN STANDARD
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EN 2591-705

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English version

**Aerospace series - Elements of electrical and optical connection
- Test methods - Part 705: Electrical elements - Measurement of
stub input impedance of couplers**

Série aérospatiale - Organes de connexion électrique et
optique - Méthodes d'essais - Partie 705: Organes
électriques - Mesure de l'impédance d'entrée de la
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Verbindungselemente - Prüfverfahren - Teil 705:
Elektrische Elemente - Messung der Eingangsimpedanz
einer Sticheitung von Kopplern

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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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 measuring stub input impedance of couplers.

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⁾

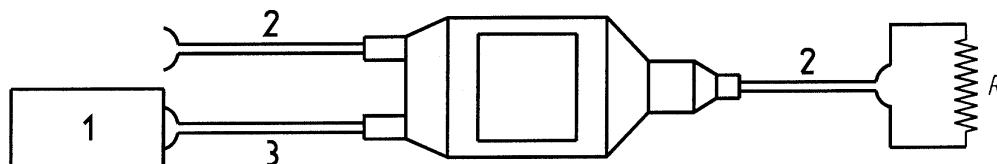
3 Preparation of specimens

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

- stub input impedance Z ;
- test temperature.

4 Method

The test is carried out using an impedance meter connected as on figure 1.



Key

- 1 Impedance meter
- 2 Bus
- 3 Stub

$$R = (Z_0/2) \pm 2\%$$

Z_0 = Nominal cable characteristic impedance

Figure 1

The test signal shall be sinusoidal, frequency 1 MHz, amplitude $\geq 0,3$ V r.m.s.

5 Requirement

The stub input impedance Z shall comply with the value specified in the technical specification.

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