SLOVENSKI STANDARD
kSIST FprEN 16602-70-45:2014

01-julij-2014

Zagotavljanje varnih proizvodov v vesoljski tehniki - Mehansko preskušanje kovinskih materialov

Space product assurance - Mechanical testing of metallic materials

Raumfahrtproduktsicherung - Mechanische Tests von metallenem Material

Assurance produit des projets spatiaux - Essais mécaniques des matériaux métalliques

Ta slovenski standard je istoveten z: **FprEN 16602-70-45**

ICS:

49.025.01	Materiali za letalsko in vesoljsko gradnjo na splošno	Materials for aerospace construction in general
49.140	Vesoljski sistemi in operacije	Space systems and operations
77.040.10	Mehansko preskušanje kovin	Mechanical testing of metals

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EUROPEAN STANDARD

NORME EUROPÉENNE

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ICS

English version

Space product assurance - Mechanical testing of metallic materials

Assurance produit des projets spatiaux - Essais mécaniques des matériaux métalliques

Raumfahrtproduktsicherung - Mechanische Tests von metallenem Material

This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/CLC/TC 5.

If this draft becomes a European Standard, CEN and CENELEC 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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Foreword

This document (FprEN 16602-70-45:2014) has been prepared by Technical Committee CEN/CLC/TC 5 “Space”, the secretariat of which is held by DIN (Germany).

This document (FprEN 16602-70-45:2014) originates from ECSS-Q-ST-70-45C.

This document is currently submitted to the Unique Acceptance Procedure.

This document has been developed to cover specifically space systems and will the-refore have precedence over any EN covering the same scope but with a wider do-main of applicability (e.g. : aerospace).

1 Scope

This Standard specifies requirements for mechanical testing of metallic materials to be used in the fabrication of spacecraft hardware.

This Standard establishes the requirements for most relevant test methods carried out to assess the tensile, fatigue and fracture properties of metallic materials. It does not give a complete review of all the existing test methods for the evaluation of mechanical properties of metallic materials.

Furthermore, this Standard specifies requirements for the evaluation, presentation and reporting of test results.

This standard may be tailored for the specific characteristic and constrains of a space project in conformance with ECSS-S-ST-00.