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Standards

Irish Standard  
I.S. EN 16602-70-37:2014

# Space product assurance - Determination of the susceptibility of metals to stress-corrosion cracking

**I.S. EN 16602-70-37:2014**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## Space product assurance - Determination of the susceptibility of metals to stress-corrosion cracking

Assurance produit des projets spatiaux - Détermination de la susceptibilité des métaux à la fissuration par corrosion sous contrainte

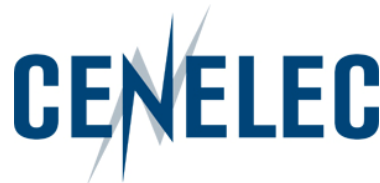
Raumfahrtproduktsicherung - Bestimmung der Anfälligkeit von Metallen für Spannungsrissskorrosion

This European Standard was approved by CEN on 25 October 2014.

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## **Foreword**

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This document (EN 16602-70-37:2014) has been prepared by Technical Committee CEN/CLC/TC 5 "Space", the secretariat of which is held by DIN.

This standard (EN 16602-70-37:2014) originates from ECSS-Q-ST-70-45C.

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of an identical text or by endorsement, at the latest by April 2015, and conflicting national standards shall be withdrawn at the latest by April 2015.

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# 1 Scope

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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.



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