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Standards

Irish Standard
I.S. EN 16603-20:2020&LC:2020

Space engineering - Electrical and electronic

I.S. EN 16603-20:2020&LC:2020

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National Foreword

I.S. EN 16603-20:2020&LC:2020 is the adopted Irish version of the European Document EN 16603-20:2020, Space engineering - Electrical and electronic

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Correction Notice

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Please include the following minor editorial correction(s) in the document related to:

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- PQ/UQ
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It has been brought to our attention that this document, issued on 2020-09-09, requires modification.

Superseding note and the main changes linked to the superseding note have been deleted from the Foreword.

Please find enclosed the updated English version.

We apologise for any inconvenience this may cause.

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EUROPEAN STANDARD

EN 16603-20

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2020

ICS 49.140

English version

Space engineering - Electrical and electronic

Ingénierie spatiale - Génie électrique et électronique

Raumfahrttechnik - Elektrik und Elektronik

This European Standard was approved by CEN on 3 August 2020.

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 18 November 2020.

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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 and CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Foreword

This document (EN 16603-20:2020) has been prepared by Technical Committee CEN-CENELEC/TC 5 "Space", the secretariat of which is held by DIN.

This standard (EN 16603-20:2020) originates from ECSS-E-ST-20C Rev.1.

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of an identical text or by endorsement, at the latest by March 2021, and conflicting national standards shall be withdrawn at the latest by March 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a standardization request given to CEN by the European Commission and the European Free Trade Association.

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

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This Standard establishes the basic rules and general principles applicable to the electrical, electronic, electromagnetic, microwave and engineering processes. It specifies the tasks of these engineering processes and the basic performance and design requirements in each discipline.

It defines the terminology for the activities within these areas.

It defines the specific requirements for electrical subsystems and payloads, deriving from the system engineering requirements laid out in ECSS-E-ST-10 "Space engineering – System engineering general requirements".

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

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