



BSI Standards Publication

Space engineering — Structural materials handbook

Part 8: Glossary

National foreword

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A list of organizations represented on this committee can be obtained on request to its committee manager.

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TECHNICAL REPORT

CEN/TR 17603-32-08

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English version

Space engineering - Structural materials handbook - Part 8: Glossary

Ingénierie spatiale - Manuel des matériaux structuraux
- Partie 8 : Glossaire

Raumfahrttechnik - Handbuch der
Konstruktionswerkstoffe - Teil 8: Glossar

This Technical Report was approved by CEN on 29 November 2021. It has been drawn up by the Technical Committee CEN/CLC/JTC 5.

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European Foreword

This document (CEN/TR 17603-32-08:2022) has been prepared by Technical Committee CEN/CLC/JTC 5 "Space", the secretariat of which is held by DIN.

It is highlighted that this technical report does not contain any requirement but only collection of data or descriptions and guidelines about how to organize and perform the work in support of EN 17603-32.

This Technical report (CEN/TR 17603-32-08:2022) originates from ECSS-E-HB-32-20 Part 8A.

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This document has been prepared under a mandate 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 TR covering the same scope but with a wider domain of applicability (e.g.: aerospace).

Introduction

The Structural materials handbook is published in 8 Parts.

A glossary of terms, definitions and abbreviated terms for these handbooks is contained in Part 8.

The parts are as follows:

| | | | |
|----------------|--------|---|------------------|
| TR 17603-32-01 | Part 1 | Overview and material properties and applications | Clauses 1 - 9 |
| TR 17603-32-02 | Part 2 | Design calculation methods and general design aspects | Clauses 10 - 22 |
| TR 17603-32-03 | Part 3 | Load transfer and design of joints and design of structures | Clauses 23 - 32 |
| TR 17603-32-04 | Part 4 | Integrity control, verification guidelines and manufacturing | Clauses 33 - 45 |
| TR 17603-32-05 | Part 5 | New advanced materials, advanced metallic materials, general design aspects and load transfer and design of joints | Clauses 46 - 63 |
| TR 17603-32-06 | Part 6 | Fracture and material modelling, case studies and design and integrity control and inspection | Clauses 64 - 81 |
| TR 17603-32-07 | Part 7 | Thermal and environmental integrity, manufacturing aspects, in-orbit and health monitoring, soft materials, hybrid materials and nanotechnologies | Clauses 82 - 107 |
| TR 17603-32-08 | Part 8 | Glossary | |