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# Space systems — Structural components and assemblies

*Systèmes spatiaux — Composants et assemblages de structure*

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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This document was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 14, *Space systems and operations*.

This second edition cancels and replaces the first edition (ISO 10786:2011), which has been technically revised.

The main changes are as follows:

— clarification of the Scope;

— updates of the normative references and their citations in the text;

— updates of the terms and definitions to harmonize with the other ISO structural related standards.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Structures are the backbones of all spaceflight systems. A structural failure can cause the loss of human lives for crewed space systems or can jeopardize the intended mission for uncrewed space systems.

The purpose of this document is to establish general requirements for structures in all space flight systems. It provides the uniform requirements necessary to minimize the duplication of effort and the differences between approaches taken by the participating nations and their commercial space communities in developing structures. In addition, the use of agreed-upon standards can facilitate cooperation and communication among space programmes.

This document, when implemented for a particular space system, ensures high confidence in achieving safe and reliable operation in all phases of its planned mission.