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Space systems — Subsystems or units to spacecraft interface control document

Systèmes spatiaux — Document de contrôle des interfaces entre les sous-systèmes ou unités et le véhicule spatial

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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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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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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 11892:2012), which has been technically revised.

The main change is as follows:

— removed Clause 6 “Verification”.

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Space systems — Subsystems or units to spacecraft interface control document

1 Scope

This document provides space system manufacturing organizations with the minimum interface related items and generic format for creating the interface control document (ICD) which subsystems or units suppliers prepare for spacecraft systems (SC) integrators.

In this document, ICD is not defined to contain descriptions regarding various properties of subsystems or units or tasks to be done by suppliers, i.e. performance, functions, endurance to launch mechanical environment, or quality assurance provisions. Such descriptions are presumed to be defined in other contractual documents such as technical specifications.

2 Normative references

There are no normative references in this document.

3 Terms, definitions and abbreviated terms

3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— IEC Electropedia: available at https://www.electropedia.org/

— ISO Online browsing platform: available at https://www.iso.org/obp

3.1.1
subsystem
assembly or group of electrical, thermal and/or mechanical *units* (3.1.3) which is dedicated to specific functions of a spacecraft system (SC)

3.1.2
subsystem to spacecraft ICD
subsystem to spacecraft interface control document
set of documents that defines and controls the electrical, thermal, and mechanical interface requirements between a *subsystem* (3.1.1) and the spacecraft system (SC)

3.1.3
unit
independently handled device at the lowest level of hardware assembly that works with specified complex electrical, thermal and/or mechanical functions

Note 1 to entry: Several units build up a *subsystem* (3.1.1). A single unit may occasionally comprise a subsystem by itself.

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