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Space systems — Safety requirements —

Part 4: Spacecraft assembly, integration and test

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Partie 4: Assemblage, intégration et test d'engins spatiaux

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Foreword

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Space systems — Safety requirements —

Part 4: Spacecraft assembly, integration and test

1 Scope

This document provides requirements for the safety management and operation of assembly, integration and test (AIT) activities related to spacecraft projects and applications including the responsibilities of the organization involved in the AIT operations for spacecraft products.

This document provides a method to identify hazards, control and reduce safety risk to acceptable levels in the activities of spacecraft assembly, integration, testing, hoisting, logistics and handling.

This document is applicable to space test centres and entities providing operating infrastructure and facilities for spacecraft AIT. It can serve as a reference for the AIT of the spacecraft system, its subsystems and equipment.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 10795, *Space systems — Programme management and quality — Vocabulary*

ISO 14620-1, *Space systems — Safety requirements — Part 1: System safety*

ISO 14620-2, *Space systems — Safety requirements — Part 2: Launch site operations*

ISO 14625, *Space systems — Ground support equipment for use at launch, landing or retrieval sites — General requirements*

ISO 17666, *Space systems — Risk management*

ISO 18322, *Space systems — General management requirements for space test centres*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 10795 and the following apply.

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

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

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

3.1
logistics
science and practice of interconnecting, and finding the best way of goal attainment, for bringing material objects or living beings in sufficient quantity to the right place in the right time.

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