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Space systems — Detailed space debris mitigation requirements for spacecraft

Systèmes spatiaux — exigences détaillées pour la diminution des débris spatiaux relatifs aux satellites



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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Symbols and abbreviated terms	2
5 Avoiding release of space debris into Earth orbit during normal operations	2
6 Avoiding break-ups in Earth orbit	3
6.1 General.....	3
6.2 Accidental break-up caused by an on-board source of energy.....	3
6.2.1 General measures.....	3
6.2.2 Subsystem-specific measures.....	4
6.3 Accidental break-up caused by a collision.....	5
6.3.1 Collision avoidance.....	5
6.3.2 Assessment of the probability of structural break-up caused by impacts with debris or meteoroid.....	6
7 Disposal of spacecraft after the end of mission	6
7.1 General.....	6
7.2 Ensuring execution of disposal action.....	6
7.3 Disposal to minimize interference with the GEO protected region.....	7
7.3.1 General.....	7
7.3.2 Developing basic manoeuvre requirements for a stable disposal orbit.....	7
7.3.3 Developing long-term (100-year) disposal orbit characteristics.....	7
7.3.4 Determining the manoeuvre sequence.....	8
7.4 Disposal to minimize interference with the LEO protected region.....	8
7.4.1 General.....	8
7.4.2 Re-entry.....	8
8 Estimating mass of remaining usable propellant	9
8.1 General.....	9
8.2 Uncertainty of estimation.....	9
8.3 Incorporating required function into spacecraft design.....	9
8.4 Documentation of data.....	10
9 Space debris mitigation plan	10
9.1 General.....	10
9.2 Break-up prevention plan.....	11
9.3 End of mission disposal plan (EOMDP).....	11
9.4 Contingency plan.....	12
Annex A (informative) Procedure for estimating probability of accidental break-up	13
Annex B (informative) Examples of estimation methods	16
Annex C (informative) Deployable drag enhancement device	19
Bibliography	20

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 documents 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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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

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

This first edition cancels and replaces ISO 16127:2014, ISO 16164:2015, ISO 23339:2010 and ISO 26872:2019.

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.

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Introduction

This document is developed to incorporate the content of ISO 16127, ISO 16164, ISO 23339, ISO 26872 and other detailed requirements relevant to spacecraft related debris mitigation, corresponding to ISO 24113. The purpose of this document is to enable conformance with those high-level space debris mitigation requirements in ISO 24113 that are relevant to spacecraft.

This document acts as one of the supporting technical standards for space debris mitigation, to provide implementation requirements and details for the top-level requirements in ISO 24113.