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Second edition
2019-02

Space systems — Re-entry risk management for unmanned spacecraft and launch vehicle orbital stages

Systèmes spatiaux — Gestion du risque de la rentrée pour les étapes orbitales des véhicules spatiaux non habités et des lanceurs spatiaux



Reference number
ISO 27875:2019(E)

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Published in Switzerland

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Foreword

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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 27875:2010) which has been technically revised. It also incorporates the Amendment ISO 27875/Amd1:2016. The main changes compared to the previous edition are as follows:

- revised [6.2](#);
- a Note 1 to entry was added to the definition of Ec;
- long sentences were divided into multiple sub-clauses with each sub-clause containing just one requirement.

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Introduction

According to international treaties, the “launching state” is liable for damage or injuries caused by unmanned spacecraft and launch vehicle orbital stages that re-enter the Earth's atmosphere. In addition, commercial operators are subject to the national safety regulations or laws of the launching country that relate to the re-entry of spacecraft and launch vehicle orbital stages. To minimise damage and injuries from re-entering spacecraft and launch vehicle orbital stages, all parties (i.e., developers, manufacturers, space service providers, satellite operators, and launch service providers) should take preventive measures during design and operations.