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## **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*



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## Foreword

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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 re-entry of spacecraft and launch vehicle orbital stages. In order to minimize damage and injury from re-entering spacecraft and launch vehicle orbital stages, it is the responsibility of all parties (developers, manufacturers, space service providers, satellite operators and launch service providers) to take preventive measures during spacecraft design and space operations.