

Space systems — Flight-to-ground umbilicals

ICS 49.140

National foreword

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Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to v, a blank page, pages 1 to 15 and a back cover.

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Amendments issued since publication

Amd. No.	Date	Comments
16329	March 2006	See national foreword

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 14 January 2004

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INTERNATIONAL STANDARD

ISO
15389

First edition
2001-01-15

Space systems — Flight-to-ground umbilicals

Systèmes spatiaux — Ombilicaux bord-sol



Reference number
ISO 15389:2001(E)

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Foreword

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International Standard ISO 15389 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 14, *Space systems and operations*.

Introduction

This International Standard establishes the general requirements and criteria for flight-to-ground umbilical systems used by space systems. The purpose of this International Standard is to establish uniform engineering practices and methods and to ensure the inclusion of essential requirements in the design of reusable flight-to-ground umbilical systems that support the launch of space systems. This International Standard is not intended to define how to design umbilicals but to define the minimum requirements umbilicals must meet.

