

Space data and information transfer systems — Standard formatted data units — Control Authority data structures

ICS 49.140

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National foreword

This British Standard reproduces verbatim ISO 15395:1998 and implements it as the UK national standard.

The UK participation in its preparation was entrusted to Technical Committee ACE/67, Data information and transfer standards for civil space applications, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the ISO title page, pages ii to iv, pages 1 to 20 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

This British Standard, having been prepared under the direction of the Engineering Sector Board, was published under the authority of the Standards Board and comes into effect on 15 July 1998

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INTERNATIONAL STANDARD

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15395

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Space data and information transfer systems — Standard formatted data units — Control Authority data structures

Systèmes de transfert des informations et données spatiales — Unités de données à structuration normalisée — Structures de données d'autorité de contrôle



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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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 15395 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 13, *Space data and information transfer systems*.

Descriptors: Navigation systems, spacecrafts, flight control, space data systems, information interchange, data transfer, organization of data.

1 Scope

This International Standard specifies the requirements for Control Authority data structures for standard formatted data units for space data and information transfer systems.

2 Requirements

Requirements are the technical recommendations made in the following publication (reproduced on the following pages), which is adopted as an International Standard:

CCSDS 632.0-B-1, November 1994, *Recommendation for space data system standards — Standard formatted data units — Control Authority data structures*.

For the purposes of international standardization, the modifications outlined below shall apply to the following pages of publication CCSDS 632.0-B-1.

Pages i to v

This part contains information which is relevant to the CCSDS publication only.

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Add the following information to the references indicated:

[2] Document CCSDS 630.0-B-1, June 1993, is equivalent to ISO 13764:1996.

[4] Document CCSDS 620.0-B-2, May 1992, is equivalent to ISO 12175:1994.

[5] Document CCSDS 641.0-B-1, May 1992, is equivalent to ISO 14961:1997.

3 Revision of publication CCSDS 632.0-B-1

It has been agreed with the Consultative Committee for Space Data Systems that Subcommittee ISO/TC 20/SC 13 will be consulted in the event of any revision or amendment of publication CCSDS 632.0-B-1. To this end, NASA will act as a liaison body between CCSDS and ISO.