
**Space data and information transfer
systems — TM (telemetry) space data link
protocol**

*Systèmes de transfert des données et informations spatiales —
Protocole pour liaison de données spatiales TM (télémétrie)*



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Foreword

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The main task of technical committees is to prepare International Standards. 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.

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ISO 22645 was prepared by the Consultative Committee for Space Data Systems (CCSDS) (as CCSDS 132.0-B-1, September 2003) and was adopted (without modifications except those stated in Clause 2 of this International Standard) by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 13, *Space data and information transfer systems*.

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Space data and information transfer systems — TM (telemetry) space data link protocol

1 Scope

This International Standard specifies the telemetry (TM) space data link protocol, a data link layer protocol as defined in ISO/IEC 7498-1, and is to be used over space-to-ground or space-to-space communications links by space missions.

The scope and field of application are furthermore detailed in subclauses 1.1 and 1.2 of the enclosed CCSDS publication.

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 132.0-B-1, September 2003, *TM space data link protocol*.

For the purposes of international standardization, the modifications outlined below shall apply to the specific clauses and paragraphs of publication CCSDS 132.0-B-1.

Pages i to v

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

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Add the following information to the references indicated:

[3] Document CCSDS 131.0-B-1, September 2003, is equivalent to ISO 22641:2005.

[4] Document CCSDS 135.0-B-1, January 2002, is equivalent to ISO 22647:—¹⁾.

[6] Document CCSDS 133.0-B-1, September 2003, is equivalent to ISO 22646:2005.

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Add the following information to the references indicated:

[B2] Document CCSDS 102.0-B-5, November 2000, is equivalent to ISO 13419:2003.

[B3] Document CCSDS 103.0-B-2, June 2001, is equivalent to ISO 17433:2003.

[B5] Document CCSDS 910.4-B-1, May 1996, is equivalent to ISO 15396:1998.

1) To be published.