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GB/T 39350-2020

Space data and information transfer systems. TC (telecommand) space data link protocol

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafting law to amend and adopt ISO 22664.2016 "Space Data and Information Transmission System Remote Control Space Data Link"

Road Agreement.

Compared with ISO 22664.2016, this standard has many structural adjustments. Appendix A lists the differences between this standard and ISO 22664.2016.

A list of chapter number comparisons.

Compared with ISO 22664.2016, this standard has technical differences, and the clauses involved in these differences have been passed in the margin position on the outer side of the standard.

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The vertical single line (?) is marked, and a list of the corresponding technical differences and their reasons is given in Appendix B.

This standard also made the following editorial changes.

---Deleted part of the references to the principle definition document structure in Chapter 1 of ISO 22664.2016;

--- Changed Appendix A "Abbreviations" in ISO 22664.2016 to Chapter 4 of the main text;

---The informative appendix B "References" of ISO 22664.2016 is deleted.

This standard was proposed and managed by the National Aerospace Technology and Application Standardization Technical Committee (SACTC425).

Drafting organizations of this standard. China Aerospace Standardization Institute, Beijing Space Vehicle General Design Department, Anhui Deqi Information Technology Co., Ltd.

Division, Beijing Institute of Telemetry Technology, Beijing Institute of Tracking and Communication Technology.

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1 Scope

This standard specifies the business, data unit format, protocol process, management parameters, and support space data of the remote control space data link protocol.

According to the protocol procedures of the link security protocol.

This standard applies to remote data transmission from earth stations to spacecraft, and between spacecraft and spacecraft.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this document.

For undated references, the latest version (including all amendments) applies to this document.

GB/T 2900.54 Electrotechnical terminology radio communication. transmitter, receiver, network and operation (GB/T 2900.54-2002, IEC 60050-713.1998, IDT)

GB/T 39349 Spatial data and information transmission system remote synchronization and channel coding (GB/T 39349-2020, ISO 22642.2012, MOD)

GB/T 39351 Spatial Data and Information Transmission System Telemetry Spatial Data Link Protocol (GB/T 39351-2020, ISO 22645.2016, MOD)

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