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**Transmission protocol for FY-4 direct broadcast high rate
information**

风云四号气象卫星直接广播高速信息传输协议

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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Fengyun-4 meteorological satellite directly broadcasts high-speed information Transport Protocol

1 Scope

This document specifies the high-speed information transmission protocol used by the Fengyun-4 meteorological satellite data during direct broadcast, including the application layer, presentation layer, The content and format of the data layer, session layer, transport layer, network layer, data link layer, and physical layer.

This document applies to the sending and receiving of high-speed information in direct

broadcast of Fengyun-4 meteorological satellite.

2 Normative references

IEC 10918

IEC 18033

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Directed broadcast

Information data is sent from the ground to the satellite, and then directly radiated downward from high altitude to the coverage area through the communication transponder carried by the satellite.

The process of receiving terminals within the area.

3.2 High-speed information transmission

A method of transmitting information using a higher-speed channel.

Note. The general rate is 0.256Mbit/s~10Mbit/s.

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