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**NATIONAL STANDARD OF THE
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**Interface specification for signal in space of BeiDou satellite
navigation system-Part 5: Open service signal B2b**

北斗卫星导航系统空间信号接口规范 第5部分：公开服务信号B2b

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Table of Contents

Preface... Introduction...

1 Scope...

2 Normative referenced documents...

3 Terms, Definitions and Abbreviations...

3.1 Terms and Definitions...

3.2 Abbreviations... -- Part 2: Public service signals B2a; --Part 3: Public service signals B1l; --Part 4: Public service signals B3l; --Part 5: Public service signals B2b.

1 Scope

This document specifies the public communication between the BeiDou Navigation Satellite System (hereinafter referred to as the BeiDou System) space constellation (IGSO/MEO) and user terminals.

The signal characteristics, navigation message structure and user algorithm of the service signal B2b are opened.

This document applies to the development, production and inspection of products that use B2b signals to achieve positioning, navigation and timing.

2 Normative references

GB/T 39267

3.1 Terms and Definitions

The terms and definitions defined in GB/T 39267 apply to this document.

3.2 Abbreviations

The following abbreviations apply to this document.

BDGS. BeiDou Coordinate System BDGM. BeiDou Global Ionospheric delay correction Model BDT. BeiDou Navigation Satellite System Time BGTO. BDT-GNSS Time Synchronous CRC. Cyclic Redundancy Check EOP. Earth Orientation Parameters GEO. Geostationary Earth Orbit GF. Galois Field GNSS. Global Navigation Satellite System IERS. International Earth Rotation and Reference Systems Service IGSO. Inclined GeoSynchronous Orbit LDPC. Low Density Parity Check MEO. Medium Earth Orbit MSB. Most Significant Bit PRN. Pseudo-Random Noise SOW. Seconds of Week