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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 44086.1-2024

**Information interface for BDS-3 regional short message
communication user terminal - Part 1: User management
module interface**

北斗三号区域短报文通信用户终端信息接口 第1部分：用户管理模块接口

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Table of Contents

1 Scope	1
2 Normative references	1
2 Abbreviations	2
2 Module Function	3
4 Transport Protocol	4
11 Initial vector file	8
3 Logical Channel	11
9 Switching the Primary Key/Initialization Vector (IV) (SWITCHKEYIV) Command	22
3 Regional Short Message Communication User Terminal Time Ambiguity Algorithm	26

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: This document is part 1 of GB/T 44086 "Beidou-

3 Regional Short Message Communication User Terminal Information Interface": GB/T 44086 has been The following parts have been published:

--- Part 1: User management module interface;

--- Part 2: Common data interface: Please note that some of the contents of this document may involve patents: The issuing organization of this document does not assume the responsibility for identifying patents: This document was proposed by the Equipment Development Department of the Central Military Commission: This document is under the jurisdiction of the National Beidou Satellite Navigation Standardization Technical Committee (SAC/TC544): This document was drafted by: China North Industries Group Corporation, China Satellite Navigation Engineering Center, Beijing Satellite Navigation Center, China Academy of Information and Communications Technology, China Mobile Communications Group Co., Ltd: Shanghai Research Institute, Beijing CEC HuaDa Electronic Design Co., Ltd:, China The 54th Research Institute of China Electronics Technology Group Corporation, Guangzhou Haige Communication Group Co., Ltd:, Wuhan Tianyu Information Industry Co., Ltd: Corporation, China Ordnance Industry Computer Application Technology Research Institute: The main drafters of this document are: Hu Jiang, Pan Ying, Hu Guangming, Zhou Yi, Liu Ying, Xu Huawei, Zhao Wenjun, Huang Hexian, Li Gang, Zhao Wu, Wang Chao, Chen Lei, Wang Hui, Ren Hailong, Zhang Peiyao, Zhang Tao, Li An, Wang Xun, Pang Bobo, Zhang Qingchen, Zhang Yelong, Zhao Yong, Li

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Beidou short message service is a special function of Beidou satellite navigation system, which is different from other global satellite navigation systems: Its main application value lies in that when users are in areas that are not covered by ground communication networks, they can use the Beidou terminals with Beidou short message function can be used for emergency communications: GB/T 44086 "Beidou-

3 Regional Short Message Communication User Terminal Information Interface" is planned to consist of two parts:

--- Part 1: User management module interface: The purpose is to establish the BeiDou-3 regional short message communication user terminal and user management Interface specifications between modules:

--- Part 2: General data interface: The purpose is to establish the communication between the BeiDou-3 regional short message communication user terminal and the host computer: Interface specification of the letter: BeiDou-3 regional short message communication users Terminal information interface Part 1: User management module interface

1 Scope

GB/T 44086.1-2024 specifies the user management module interface of a BeiDou-3 regional short message communication terminal. Short message communication is the capability that distinguishes BeiDou from the other global navigation systems: the constellation can carry a short two-way message as well as a position, which is why it is used on fishing vessels, in disaster response and across remote infrastructure where no other link exists. The user management module is the secure element that holds the terminal's identity and its service authorisation, and this part defines the interface between it and the terminal so that modules and terminals from different manufacturers work together. It sets the physical and electrical interface, the protocol and the command set, the operations for authentication, for reading and updating the user information and the service parameters, the key and security management, the status and error handling, and the conformance requirements. It took effect on 28 May 2024.

This document specifies the functions and composition, physical specifications, electrical characteristics, and other aspects of the BeiDou-3 regional short message communication user terminal user management module: properties, transmission protocols, application files, application command sets and command descriptions, etc: This document is applicable to the research and development of BeiDou-3 regional short message communication user management module (hereinafter referred to as "user management module") and user terminal: Manufacturing, production, testing and application:

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document: For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document:

GB/T 16649:1-2006 Identification cards Integrated circuit cards with contacts Part 1: Physical characteristics

GB/T 16649:2-2006 Identification cards - Integrated circuit cards with contacts - Part 2: Dimensions and positions of contacts

GB/T 16649:3-2006 Identification cards - Integrated circuit cards with contacts - Part 3: Electrical signals and transmission protocols

GB/T 16649:4-2010 Identification cards Integrated circuit cards Part 4: Structure, security and commands for exchange

GB/T 20276-2016 Information security technology IC card embedded software security technical requirements with central processing unit

GB/T 22186-2016 Information security technology IC card chip security technical requirements with central processing unit

GB/T 39267 Beidou Satellite Navigation Terminology YD/T 1762:1-2016

TD-SCDMA/WCDMA digital cellular mobile communication network universal integrated circuit card (UICC) and terminal Technical requirements for inter-terminal Cu interfaces Part 1: Physical, electrical and logical characteristics ISO /

IEC 7816-1:2003 Identification cards Integrated circuit cards with contacts Part 1: Physical characteristics ISO /

IEC 7816-3:2006 Identification cards Integrated circuit cards Part 3: Cards with contacts - Electrical interface and transmission protocol (I-

3 Terms, definitions and abbreviations 3:

1 Terms and Definitions GB/T 16649:1-2006, GB/T 16649:2-2006, GB/T 16649:3-2006, GB/T 16649:4-2010 and The terms and definitions defined in

GB/T 39267 and the following apply to this document: 3:1: