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

GB/T 26782.1-2011

**Satellite navigation based ship monitoring and management
system -- Part 1: System structure and function definition
(English Translation)**

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Foreword

GB/T 26782 "satellite navigation ship supervision information system" is divided into three parts.

- Part 1. System composition and functional definition;

Part 2. System Information Exchange Protocol;

Part 3. Technical requirements for shipboard terminals.

This part is part 1 of GB/T 26782.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part is submitted by the Ministry of Transport of the People's Republic of China.

This section is headed by the Technical Committee on Information and Communication and Navigation Standardization of the Ministry of Transport.

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1 Scope

This part of GB/T 26782 specifies the composition and functional requirements of the Satellite Navigation Ship Regulation Information System (hereinafter referred to as "the System").

This part is applicable to the design, construction, inspection and acceptance of ship supervision information system using satellite navigation technology and wireless communication.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article. For undated references, the latest edition (including all modifications) applies to this document.

GB 12319 China Chart GB/T 26782.2 Satellite navigation ship supervision information system - Part 2. System information exchange protocol GB/T 26782.3 Satellite navigation ship supervision information system - Part 3. Technical requirements for shipboard terminals

3.1 Terms and definitions

GB/T 26782.2 and GB/T 26782.3 and the following terms and definitions apply to this document.

3.1.1

Satellite navigation ship supervision information system
satelitenavigationbasedshipmonitoringandmanagementsystem (SMMS) to provide real-time ship position, with a ship information service function, to the scope of services within the ship to monitor and provide security letters Interest of the integrated service system.

3.1.2

Ship supervision information system center shipmonitoringandmanagementsystemcenter (SMMC) Referred to as the system center, through the computer information processing system and communication network and management within the scope of the ship for information exchange, to the ship and other relevant regulatory agencies and service agencies to provide information services.

3.1.3

Ship-borne terminal (ST) in the satellite navigation ship supervision information system, installed in the ship, for the collection and processing of ship location and other information, and through the pass Letter network and the system center for information exchange terminal equipment.

3.1.4

Communication network (CN) Satellite navigation ship supervision information system between the system center and the ship terminal, between the system center, as well as the system center and other information Systems between wired and wireless data communications networks.

3.1.5

Network coordination center netco-ordinationcenter (NCC) for the system center between the information exchange and information sharing and provide a variety of link information and authentication information services.