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Terms for automatic identification system

船舶自动识别系统 (AIS) 术语

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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.

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.

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Automatic Identification System (AIS) Terminology

1 Scope

This document defines the basic terminology of the Automatic Identification System (AIS),

as well as AIS equipment, infrastructure, wireless links, AIS reports, Common terms and definitions for AIS, AIS services, and satellite-based AIS.

This document is applicable to the scientific research, teaching, design, manufacturing and application of the Automatic Identification System (AIS) in the field of shipbuilding, as well as related standards and Preparation of technical documents, etc.

2 Normative references

This document has no normative references.

3.1 information to enable systems for identification, collision avoidance, and navigation

The VHF maritime mobile service band uses self-organizing time division multiple access to automatically broadcast and receive ship dynamic and static information.

3.2

Works in the VHF maritime mobile service band, integrating VHF broadband data exchange (VDE), application-specific messages (ASM) and ship Data exchange system for Automatic Identification System (AIS) function.

Note. The system can realize data exchange services between ships, between ships and shores, and between ships and satellites.

3.3

A message outside the AIS standard message framework used to transmit specific application information.

Note. Includes two types. AIS-ASM and VDE-ASM.

3.4 Very high frequency data link VHFdatalink; VDL

It operates in the AIS VHF maritime mobile service band and is used as a medium for data exchange between different AIS stations.

3.5 AIS message

The smallest unit of AIS information transmitted on the VDL.

3.6 AIS shore-based system

Access and manage AIS physical shore stations, realize information broadcasting, collection, processing and storage, and provide user application interface software and hardware system A general term for.

Note. The AIS shore-based system includes physical shore stations, network equipment, data links, servers and software.

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