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GB/T 47313-2026

Intelligent ship data classification, grading and identification

智能船舶数据分类、分级与标识

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the National Technical Committee on Standardization of Marine Ships (SAC/TC12). This document was drafted by: China State Shipbuilding Corporation Limited Comprehensive Technology and Economic Research Institute, and Shanghai Ship and Transportation Research Institute Co., Ltd. Company, Shanghai Ship Research and Design Institute, China COSCO Shipping Corporation Limited, COSCO Shipping Green & Intelligent Ship Services Co., Ltd., Harbin Institute of Technology Chengda University, Dalian Maritime University, Jinan University, China Merchants Industrial Intelligent Technology (Jiangsu) Co., Ltd., China Merchants Industry Group Yangzhou Dingheng Shipbuilding Limited Liability Company, Water Transport Research Institute of the Ministry of Transport, Xi'an University of Electronic Science and Technology, COSCO Shipping Bulk Transportation Co., Ltd., Shandong Xineng Shipbuilding Industry Co., Ltd. Limited Liability Company, Yangzhou COSCO Shipping Heavy Industry Co., Ltd., Offshore Oil Engineering (Qingdao) Co., Ltd., Jiangsu Yangzixinfu Shipbuilding Co., Ltd. Liaoning Port Group Co., Ltd. The main drafters of this document are. Li Heng, Qiao Jipan, Liu Wei, Tu Haiyang, Huang Zhenping, Wen Yiyan, Qin Yao, Zhang Yanfei, Shi Yao, Zhao Ke, and Ji Sheng. Sun Jianguo, Chen Weimin, Feng Yulong, Xiong Dengpan, Lü Hongguang, Du Shouzhi, Yu Qiaochan, Fan Liyun, Gao Zhan, Gao Yuling, Chen Jianting, Zhang Qiang, Cai Bin, Zhang Ke, Liu Chen, Ye Guixing, Qin Jianguo, Sun Chao, Liu Xing, Zuo Haoyue, Xia Zhihua, Li Wenhui, Shen Qiangsheng, Liu Yutao, Cheng Jinyi, Liu Anan, Li Guofeng

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1 Scope

GB/T 47313-2026 is the Chinese national standard covering the data an intelligent ship produces - navigation, machinery, cargo and crew data classified by type and graded by sensitivity, with the identifiers that let it be exchanged between ship, owner, class and shore. First edition, 17,000 words, in force since 1 October 2026. It was issued on 31 March 2026 and takes effect on 1 October 2026, as a first edition. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the requirements for the classification, grading, and identification of intelligent ship data. This document applies to data management throughout the entire lifecycle of intelligent ships, including but not limited to the ship's design, construction, and operation. Data generated and used in device access, platform operation, and system application software.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 43697-2024 Data Security Technology - Data Classification and Grading Rules

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 intelligent ship Ships that achieve intelligent operation in navigation, management, maintenance, and cargo transportation.

Note. Its functions are independent of the crew's autonomous execution to varying degrees.

3.2 Data classification Based on the attributes, characteristics, sources, and content of data resources, they are distinguished and classified according to certain principles and methods. [Source: GB/T 26499.1-2011, 2.5, with modifications]

3.3 Data grading To facilitate differentiated security measures for data, data is classified into different levels based on the degree of impact on data security. [Source: GB/T 26499.1-2011, 2.4, with modifications]

3.4 Data identification Based on data classification, data are assigned symbols that have certain regularity and are easy for information systems to recognize and process. [Source: GB/T 26499.1-2011, 2.6, with modifications]

4.Abbreviations The following abbreviations apply to this document.