

ICS 03.220.40

CCS R 07



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

GB/T 47537-2026

**Electronic manifest for the import of bulk and general cargo at
ports**

港口散杂货进口电子舱单

Issued on: April 30, 2026

Implemented on: August 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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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 by the Ministry of Transport of the People's Republic of China. This document is under the jurisdiction of the National Port Standardization Technical Committee (SAC/TC530). This document was drafted by: Water Transport Research Institute of the Ministry of Transport, Shandong Port Qingdao Port Group Co., Ltd., and Lianyungang Electronic Port Information Center. Information Development Co., Ltd., Ark Intelligent Port and Shipping Service (Qingdao) Co., Ltd., Tangshan Caofeidian Industrial Port Co., Ltd., China Railway Yangtze River Transportation Co., Ltd. Tong Design Group Co., Ltd., COSCO Shipping Energy Transportation Co., Ltd., and COSCO Shipping Bulk Transportation Co., Ltd. The main drafters of this document are. Tang Siyuan, Chen Chao, Yin Zhanqiang, Wang Xinghao, Chen Zhi, Zhao Yufei, Zhao Huanzhang, Zu Xiaohong, Ren Lingli, and Ling Zhiyuan. Liu Xing, Wang Shuai, Li Huijiuyuan, Liang Ke, Jin Shuai, Hu Peiyi, Zhang Yongliang, Wang Tao, Li Yanzhang, Liu Anan. Electronic manifest for import of bulk cargo at ports

1. Scope This document specifies the general requirements, data exchange, and usage requirements for electronic manifests for imported bulk cargo at ports. This document applies to the application of electronic manifests in port bulk cargo import operations.

4 General Requirements

4.1 The electronic manifest for importing bulk cargo at the port (hereinafter referred to as the "electronic manifest") shall contain information on all bulk cargoes that the vessel needs to unload at the port. Information, as well as related information on ships, ports, etc.

4.2 The parties involved in the electronic manifest business should include the carrier or its

authorized shipping agent, port operator, port tallying business operator, etc.

4.3 Electronic manifest operations shall be conducted through relevant electronic platforms (hereinafter referred to as "platforms"), which shall meet, but are not limited to, the following requirements.

- a) It has functions such as creating, updating, pushing, querying, and verifying electronic manifest information;
- b) Possesses platform user identity management functions;
- c) Possesses information security management measures and technical means;
- d) The network security level protection requirements shall not be lower than the Level 3 security requirements specified in GB/T 22239-2019;
- e) Possesses disaster recovery and backup capabilities;
- f) It has the capability to provide uninterrupted 7x24h service.

4.4 Participants in the electronic manifest process shall verify the received electronic manifests through the platform. Upon confirmation of accuracy, electronic signatures or business licenses shall be used. Feedback may be provided through other means approved by the service participants.

5 Data Exchange

5.1 Data Attributes Electronic manifests should preferably use data exchange methods such as Electronic Data Interchange (EDI) and Application Programming Interface (API), and the data attributes should include... The following content.

- a) Index. Data retrieval number.
- b) Hierarchy. The hierarchical relationship to which the field belongs.
- c) Chinese name. The Chinese name of the field.
- d) English name. The English name of the field.
- e) Type. The characteristics and basic elements of the field, including string, number, and array.
- f) Required. Whether this field is required. M indicates a required field, C indicates a conditional field, and O indicates an optional field.
- g) Explanation and requirements. The content and meaning of the field.

5.2 Basic Information and Structural Description The basic information and structural description of the electronic manifest should conform to the requirements of Table 1.

6.1 Generation

6.1.1 The content of the electronic manifest should be created based on information such as the bill of lading.

6.1.2 The carrier or its authorized shipping agent shall generate and confirm the electronic manifest through the platform.

6.2 Use

6.2.1 The carrier or its authorized shipping agent shall push the electronic manifest to the port operator and port tallying agent through the platform. Campers.

6.2.2 Port operators and port tallying operators shall confirm the electronic manifest through the platform.

6.2.3 Port operators shall unload cargo in accordance with electronic manifests.

6.2.4 Port tallying operators shall tally cargo in accordance with electronic manifests.