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Electronic delivery order for bulk and general cargo at ports

港口散杂货电子提货单

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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: Shandong Port Qingdao Port Group Co., Ltd., Lianyungang Electronic Port Information Development Co., Ltd., and Ark Smart Port. Qingdao Port Services Co., Ltd., Water Transport Research Institute of the Ministry of Transport, China Railway Yangtze River Transportation Design Group Co., Ltd., Tangshan Caofei Dian Industrial Port Co., Ltd. The main drafters of this document are. Ren Lingli, Wen Hongjie, Zu Fuxing, Chen Chao, Wang Xinghao, Tang Siyuan, Chen Zhi, Zhao Yufei, Yang Yunqing, and Wang Wei. Liu Nannan, Zhong Yun, Wu Qingxiang, Zhang Yan, Xu Xin, Yin Zhanqiang, Jin Shuai, Wang Tao, Liu Changhui, Xu Xiang. Electronic bill of lading for bulk cargo at the port

1. Scope This document specifies the general requirements, data exchange, and usage requirements for electronic bills of lading for bulk cargo at ports. This document applies to the application of electronic delivery orders in the process of picking up imported bulk cargo at ports.

4 General Requirements

4.1 The electronic bill of lading for bulk cargo at the port (hereinafter referred to as "electronic bill of lading") shall include information on the cargo to be picked up and information on the consignee.

4.2 The parties involved in the electronic bill of lading business should include the carrier or

its authorized shipping agent, port operator, consignee or its agent, etc.

4.3 Electronic delivery note transactions shall be conducted through a relevant electronic platform (hereinafter referred to as the "Platform"), which shall meet, but is not limited to, the following requirements.

- a) It has functions such as creating, updating, pushing, querying, and verifying electronic delivery note 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 All parties involved in the electronic delivery note transaction shall verify the received electronic delivery note through the platform, and shall use electronic signatures after confirming that it is correct. Alternatively, feedback may be provided through other means approved by the business stakeholders.

5 Data Exchange

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

- a) Index. Data retrieval number.
- b) Chinese name. The Chinese name of the field.
- c) English name. The English name of the field.
- d) Type. The characteristics and basic elements of the field, including character type (string) and numeric type (number).
- e) Required. Whether this field is required. M indicates a required field, C indicates a required field under certain conditions, and O indicates an optional field.
- f) Explanation and requirements. The content and meaning of the field.

6.1 Generation

6.1.1 The consignee or its agent shall go to the carrier or its authorized shipping agent to complete the document exchange procedures for imported goods.

6.1.2 The content of the electronic delivery order should be created based on the bill of lading information.

6.1.3 The carrier or its authorized shipping agent shall generate and confirm the electronic bill of lading through the platform.

6.2 Use

6.2.1 The carrier or its authorized shipping agent shall push the electronic bill of lading to the consignee or its agent through the platform.

6.2.2 The consignee or its agent shall confirm the electronic delivery note through the platform.

6.2.3 Before the consignee or its agent completes the procedures for picking up the goods, the consignee shall push the electronic delivery note to the port operator through the platform.

6.2.4 Port operators shall confirm electronic bills of lading through the platform.

6.2.5 The port operator and the consignee or their agent shall complete the cargo collection procedures based on the electronic bill of lading.

6.2.6 After the pickup procedure is completed, the electronic pickup order should be verified and archived through the platform.