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

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**Safety requirements for port operation - Part 3: Dangerous
cargo container**

港口作业安全要求 第3部分：危险货物集装箱

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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 of Standardization Documents" Drafting. This document is Part 3 of GB 16994 "Safety Requirements for Port Operations". GB 16994 has released the following parts.

1. Oil and gas chemical terminal;

2. Petrochemical reservoir area;

3. Dangerous cargo containers. This document replaces GB/T 36029-2018 "Safety Operation Regulations for Port Dangerous Goods Container Yards". With GB/T 36029-2018, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

--- Changed the scope of application of the standard (see Chapter 1, Chapter 1 of the 2018 edition);

--- Adjusted the term "dangerous goods container", deleted the term "port dangerous goods container yard", added the term "dangerous goods Container Port Operations", "Direct Loading" and "Direct Taking" (see Chapter 3, Chapter 3 of the 2018 Edition);

--- Adjusted the overall requirements (see Chapter 4, Chapter 4 of the 2018 edition);

--- Added pre-job requirements (see Chapter 5);

- Added loading and unloading operation requirements (see Chapter 6);
- Adjusted the storage requirements (see Chapter 7, Chapter 5 of the.2018 edition);
- Added requirements for unpacking and packing operations (see Chapter 8);
- Adjusted emergency requirements (see Chapter 9, Chapter 6 of the.2018 edition);
- Added job information requirements (see Chapter 10). Please note that some of the contents of this document may involve patents. The issuing agency of this document is not responsible for identifying patents. This document was proposed and managed by the Ministry of Transport of the People's Republic of China.

1 Scope

Part 3 of China's mandatory safety requirements for port operations, covering dangerous cargo containers. A container terminal handles boxes whose contents it cannot see, and among tens of thousands of them are the ones carrying dangerous goods - correctly declared or, too often, not. The requirements are built around that. Segregation is the core: incompatible classes must not be stacked together, and a terminal has to know what is in each box to enforce it, which is why the documentation and the placarding are safety controls rather than paperwork. Then the stacking limits and the positions within the yard, the separation from the boundary and from occupied buildings, the inspection of boxes for leakage and damage on arrival, the handling of a container found to be leaking, and the emergency response that must be able to reach any position in the yard.

This document specifies the overall requirements for dangerous cargo container port operations, pre-operation requirements, loading and unloading operations requirements, storage operations requirements, dismantling Packing operation requirements, emergency requirements and operation information requirements. This document is applicable to dangerous cargo container port operations.

2 Normative references

The content of the following documents constitutes an indispensable clause of this document through normative references in the text. Among them, dated quotations Only the version corresponding to that date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to This document.

GB 190 Dangerous Goods Packaging Mark

GB 6944-2012 Dangerous goods classification and article number

GB 11602 Safety Regulations for Loading and Unloading Operations in Container Ports

GB 15603 General Rules for the Storage of Commonly Used Dangerous Chemicals

GB 16993 Safety Regulations for Preventing Hazardous Operations in Ship's Enclosed Spaces Due to Hypoxia

GB 18265 Basic Requirements for Safety Technology of Hazardous Chemicals Dealers

GB 40163 Safety technical requirements for container packing of marine dangerous goods

GB 50016 Code for fire protection of building design International Maritime Dangerous Goods Code (InternationalMaritimeDangerousGoodsCode)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Dangerous cargo container Containers containing dangerous goods such as explosive, flammable, poisonous, corrosive, radioactive, etc. Note

1. Including dangerous goods residues and hazards have not been removed, still marked with dangerous goods signs and containers. Note

2. The above-mentioned goods refer to the dangerous goods listed in the "International Maritime Dangerous Goods Regulations" or GB 6944, GB 12268. [Source: JTS176-2020, 2.0.1, with modification]

3.2 Dangerous cargo container port operation handling of dangerous cargo container in port Carry out operations such as loading, unloading, and stacking of dangerous goods containers at the docks, warehouses, and yards within the port area.

3.3 Direct lift up Dangerous cargo containers are transported into the port and loaded directly on the ship instead of being stored in the dock or port yard.