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

GB/T 20303.2-2021

Cranes - Cabins and control stations - Part 2: Mobile cranes

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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"

drafted:

This document is part 2 of GB/T 20303: GB/T 20303 has released the following parts:

- Part 1: General;
- Part 2: Mobile cranes;
- Part 3: Tower cranes;
- Part 4: Jib cranes;
- Part 5: Overhead and gantry cranes:

This document replaces GB/T 20303:2-2006 "Crane Cab Part 2: Mobile Cranes", and GB/T 20303:2-

Compared with:2006, except for structural adjustment and editorial changes, the main technical changes are as follows:

- a) Change the normative references from dated references to undated references (see Chapter 2, Chapter 2 of the:2006 edition);
- b) Removed heating and cooling requirements (see Chapter 8 of the:2006 edition):

This document uses the translation method equivalent to ISO 8566-2:2016 "Crane cabs and control stations - Part 2: Mobile starting

Heavy Machinery":

The Chinese documents that have a consistent correspondence with the international documents normatively cited in this document are as follows:

---GB/T 20303:1-2016 Crane Cabs and Control Stations Part 1: General (ISO 8566-1:2010, IDT)

---GB/T 24817:2-2021 Crane control device layout and characteristics Part 2: Mobile cranes (ISO 7752-2:2011, IDT)

---GB/T 24818:2-2021 Crane access and safety protection facilities - Part 2: Mobile cranes (ISO 11660-2: 2015, IDT)

The following editorial changes have been made to this document:

- In the scope, deleted "General requirements for mobile crane cabs are listed in ISO 8566-1";
- Added "Terms and Definitions" chapter;
- a) "4:7" in 5:8 is changed to "5:7":

Please note that some content of this document may be patented: The issuing agency of this document assumes no responsibility for identifying patents:

Introduction

GB/T 20303 "Crane Cab and Control Station" plays a role in standardizing the structure and technical content of the crane cab and control station:

It plays an active role and aims to unify the requirements of the domestic crane driver's cab and control station, which is composed of five parts:

--- Part 1: General: The purpose is to specify general requirements for crane cabs and control stations:

--- Part 2: Mobile cranes: The purpose is to specify special requirements for mobile crane cabs and control stations:

--- Part 3: Tower cranes: The purpose is to specify special requirements for tower crane cabs and control stations:

--- Part 4: Jib cranes: The purpose is to specify special requirements for jib crane cabs and control stations:

--- Part 5: Overhead and gantry cranes: The purpose is to specify special requirements for bridge and gantry crane cabs and control stations:

Crane cab and control station

Part 2: Mobile cranes

1 Scope

This document specifies the requirements for mobile crane cabs as defined in ISO 4306-2:

This document applies to cabs for crane operations:

This document does not apply to cabs for road use:

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document:

ISO 7752-2 Cranes-Control arrangements and characteristics Part 2: Mobile cranes (Cranes-Control

layoutandcharacteristics-Part 2:Basicarrangementandrequirementsformobilecranes)

ISO 8566-1 Cranes Cabins and Control Stations Part 1: General (Cranes-Cabinsandcontrolstations-

Part 1: General)

ISO 11660-2 Cranes access and safety guards - Part 2: Mobile cranes (Cranes-Access, guards

andrestraints-Part 2:Mobilecranes)

3 Terms and Definitions

There are no terms and definitions that need to be defined in this document:

4 General requirements

4:1 The general requirements for mobile crane cabs apply to the operation of cranes that carry out hoisting operations and travel on construction sites:

4:2 The general requirements of the driver's cab, including the requirements for visual field, noise and vibration, shall comply with the requirements of ISO 8566-1:

5 Cab structure

5:1 The structure of the cab shell should protect the operating platform from the weather:

5:2 The driver's cab with front, top and any side view that meets the structural requirements shall be equipped with glass windows at the front, top and both sides: forward

The square field of view shall include a vertical extent sufficient to cover the end of the boom at all times: When the cab is mounted on the frame and the boom can be independent of the driver

When the cab is rotated more than 180°, glass windows should be installed in all directions of the driver's cab:

Windshield wipers should be installed on the front and top windows:

If desired, the front or top window can be equipped with a window that can be easily removed or left open: If the window is left open

type, it shall be capable of being secured to prevent accidental closing:

The driver's cab window shall be fitted with a latch that prevents the window from being opened from the driver's cab: