

ICS 53.020.20

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

GB/T 20303.3-2016

Replacing GB/T 20303.3-2006

Cranes -- Cabins and control stations -- Part 3: Tower cranes

起重机 司机室和控制站 第3部分：塔式起重机

(English Translation)

Issued on: October 13, 2016

Implemented on: May 1, 2017

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People 's Republic of China**

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Foreword

GB/T 20303 "crane cab and control station" is divided into the following five parts.

- Part 1. General;
- Part 2. Mobile cranes;
- Part 3. Tower cranes;
- Part 4. boom cranes;
- Part 5. Bridge and gantry cranes.

This part is part 3 of GB/T 20303.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part of the replacement GB/T 20303.3-2006 "crane crane room Part 3. tower crane", and GB/T 20303.3-2006 compared to the main changes are as follows.

- standard name changed to "crane cab and control station Part 3. tower crane";
- Added chapter "Terminology and definition" (see Chapter 3);
- the deletion of the "general requirements" chapter (see Chapter 3 of the 2006 edition);
- Removes the "Control Components" chapter (see Chapter 6 of the 2006 edition).

This part uses the translation method equivalent to ISO 8566-3.:2010 "Crane cab and control station Part 3. Tower lifting machine".

In this part of the normative reference to the international documents have a consistent correspondence between the following documents.

GB/T 6974.3-2008 Terminology for cranes Part 3. Tower cranes (ISO 4306-3.:2003, IDT)

GB/T 24817.3-2016 Crane control unit arrangement and characteristics - Part 3. Tower cranes (ISO 7752-3.

2013, IDT)

This part is made by the China Machinery Industry Federation.

This part is headed by the National Standardization Technical Committee for Crane Machinery (SAC/TC227).

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1 Scope

This part of GB/T 20303 specifies the special requirements for tower crane cabs and control stations as defined by ISO 4306-3 and GB/T 20303.1 Joint use.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

ISO 4306-3 Crane terminology Part 3. Tower cranes (Cranes-Vocabulary-Part 3. Towercranes) ISO 7752-3 crane control unit arrangement and characteristics - Part 3. Cranes-Controls layoutandcharacteristics-Part 3. Towercranes) GB/T 20303.1-2016 Crane cabs and control stations - Part 1. General (ISO 8566-1.:2010, IDT)

3 Terms and definitions

The terms and definitions defined in ISO 4306-3 and GB/T 20303.1 apply to this document.

4 Control station

The requirements given in GB/T 20303.1 and the following modifications apply.

If the control station is placed on or on the crane instead of the cab, it shall.

a) a guardrail, including.

- 1) from the floor 0.9m ~ 1.1m high handrails;
- 2) the middle bar at half the height of the handrail;

3) 0.1m high skirting board.

Or other facilities with considerable protective effect.

b) at the top of the platform 1.9m ~ 2m at a protective roof, the ceiling should be able to absorb a mass of 7kg of steel from the height of 2m the energy produced by the drop.

5.1 Overview

5.1.1

The requirements given in GB/T 20303.1 and the following modifications apply.

5.1.2

The cab should not be suspended on the boom. The cab can be attached to the tower or placed inside the tower, if the boom falls accidentally, the chamber will not be crushed.