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

GB/T 24817.3-2016

Replacing GB/T 24817.3-2009

**Cranes -- Control layout and characteristics -- Part 3: Tower
cranes**

起重机 控制装置布置形式和特性 第3部分：塔式起重机

(English Translation)

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Foreword

GB/T 24817 "crane control device layout and characteristics" 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 24817.

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

This part of the replacement GB/T 24817.3-2009 "Hoisting machinery control device layout and characteristics Part 3. Tower lifting Machine ", compared with GB/T 24817.3-2009 main technical changes are as follows.

- Standard name changed to "Crane control device layout and characteristics Part 3. Tower crane";
- Removed the "Technical Requirements" chapter (see Chapter 4 of the 2009 edition);
- Removed the contents of the "wheeled gear" (see Edition 5.2 of 2009);
- Added requirements for "console" and "parking time control" (see Chapters 5 and 6).

This part uses the translation method equivalent to ISO 7752-3.:2013 "Crane control device arrangement form and characteristics Part 3. Tower Type crane ".

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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This part of the previous version of the standard to replace the release of the situation.

--- GB/T 24817.3-2009.

Crane control device arrangement and characteristics Part 3. Tower cranes

1 Scope

This part of GB/T 24817 specifies the columns defined in GB/T 6974.3-2008 and ISO 4306-3.:2003/Amd1..2011 Type crane (hereinafter referred to as "tower crane"), and the arrangement of the basic control device for load positioning.

Note: For the basic principles and requirements of crane control, see GB/T 24817.1.

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.

Cranes - Terminology - Part 1. Generic terms (ISO 4306-1.:2007, IDT) GB/T 6974.1-2008.

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

GB/T 24817.1-2016 Arrangement and characteristics of crane control devices - Part 1.

General principles (ISO 7752-1.:2010, IDT) ISO 4306-3.:2003/Amd1..2011 Crane terms

Part 3. Cranes-Vocabulary-Part 3. Towercranes) IEC 60204-32.:2008 Mechanical safety

machinery and electrical equipment - Part 32. Lifting machinery technical conditions

(Safetyofma-chinery-electricalequipmentofmachines-Part 32.

Requirementsforhoistingmachines

3 Terms and definitions

GB/T 6974.1-2008, GB/T 6974.3-2008, ISO 4306-3.:2003/Amd1..2011 and GB/T 24817.1-2016 The terms and definitions defined apply to this document.

4.1 Requirements

The control device shall comply with the requirements of GB/T 24817.1-2016.

4.2.1 Overview

The basic control unit shall be arranged as shown in Figure 1 and.

- right. load rise and fall, tower crane walking;
- left. boom or car lap, tower crane rotation.