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

GB/T 32820-2016

**Earth-moving machinery -- Anti-theft systems -- Classification
and performance**

土方机械 防盗系统 分类和性能

(English Translation)

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Foreword

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

This standard uses the translation method equivalent to ISO 22448.:2010 "Earthmoving machinery anti-theft system classification and performance".

And the normative reference in this standard international documents are consistent with the relationship between China's documents are as follows.

GB/T 8498-2008 Basic types of earthmoving identification, terms and definitions (ISO 6165.:2006, IDT)

--- GB/T 22356-2008 Earthmoving machine key lock starting system (ISO 10264.:1990, IDT) this standard is proposed by the China Machinery Industry Federation.

This standard is under the jurisdiction of the National Technical Committee for Standardization of Earthmoving Machinery (SAC/TC334).

This standard is responsible for drafting units. Shandong Lingong Engineering Machinery Co., Ltd., Xiamen City Standardization Association, Xuzhou Xugong Mining Machinery Co., Ltd.

Division, Shandong Carter Heavy Machinery Co., Ltd., Xuzhou City Product Quality Supervision and Inspection Center, Tianjin Engineering Machinery Research Institute.

This standard participates in the drafting unit. Guangxi Liugong Engineering Machinery Co., Ltd.

1 Scope

This standard will ISO 6165 defined earthmoving anti-theft system is divided into seven levels, and for each level of the corresponding performance Guidelines.

This standard gives advice on the management of key documents and the theft of anti-theft system spare parts.

This standard does not apply to the positioning machine tracking system.

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. For undated references, the latest edition (including all modifications) applies to this document.

ISO 6165 Earth-moving machinery—Basic type—Identification and terms and definitions
ISO 10264 earth-moving machinery—Key-locked starting system systems)

3 Terms and definitions

The following terms and definitions apply to this document.

Immobilizer

A device for preventing the machine from operating properly.

Verification device authentication device A device that identifies authorized users.

Examples: radio, satellite, cell phone, keyboard, ultrasound, electromagnetic wave, electronic key.

Electronic control unit Electronic control module ECU ECM Electronic equipment (programmable electronic controller) for earthmoving mechanical control systems.

Electronic key

A wireless device used to authenticate an operator.

Certificate token

The only identifiable code that is exchanged between ECM/ECU.