



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

GB/Z 41096-2021

**Earth-moving machinery - Conformity assessment and
certification process**

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Table of Contents

foreword

1 Scope

2 Normative references

3 Terms and Definitions

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 equivalent to ISO /T R19948:2016 "Earth-moving machinery conformity assessment and certification process":

The report is adjusted to my country's guiding technical document:

The following minimal editorial changes have been made to this document:

--- Moved ISO /IEC 17000 in the references to Chapter 2 normative references, because Chapter 3 normative references

ISO /IEC 17000:

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

1 Scope

This document provides the conformity assessment and certification process for earthmoving machinery as defined in ISO 6165, including

standard features, a testing process to demonstrate compliance with the standard, and a third-party certification process:

The global goal of the earthmoving machinery industry is to accept and use the Supplier Declaration of Conformity (SDoC) as specified in ISO /IEC 17050: Book

The document includes provisions for third-party certification for countries that do not accept supplier declarations of conformity:

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 6165 Earth-moving machinery basic types identification, terms and definitions (Earth-movingmachinery-Basictypes-I-

identificationandtermsanddefinitions)

Note: GB/T 8498-2017 Earth-moving machinery basic type identification, terms and definitions (ISO 6165:2012, IDT)

ISO /IEC 17000 Conformity assessment vocabulary and general principles (Conformityassessment-Vocabularyandgeneral

principles)

Note: GB/T 27000-2006 Conformity Assessment Vocabulary and General Principles (ISO /IEC 17000:2004, IDT)

ISO /IEC 17050-1 Declaration of conformity for conformity assessment providers Part 1: General requirements (Conformity

assessment-Supplier's declarationofconformity-Part 1:Generalrequirements)

Note: GB/T 27050:1-2006 Declaration of Conformity of Conformity Assessment Suppliers Part 1: General Requirements (ISO /IEC 17050-1:2004, IDT)

ISO /IEC 17050-2 Declaration of Conformity for Conformity Assessment Providers Part 2: Supporting Documents (Conformityassess-

ment-Supplier's declarationofconformity-Part 2:Supportingdocumentation)

Note: GB/T 27050:2-2006 Declaration of Conformity of Conformity Assessment Suppliers Part 2: Supporting Documents (ISO /IEC 17050-2:2004, IDT)

3 Terms and Definitions

Terms and definitions defined in ISO 6165 and ISO /IEC 17000 and the following terms and definitions apply to this document:

3:1

Conformity assessment conformityassessment

Demonstration that specified requirements related to products, processes, and systems are met:

[Source: GB/T 27000-2006, 2:1, with modifications]

3:2

Product identification code productidentificationnumber;PIN

Used to identify a machine, a unique set of 17 alphanumeric symbols assigned by the manufacturer:

[Source: GB/T 25606-2010, 3:1]

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