

ICS 03.120.20
CCS A 00



**CERTIFICATION AND ACCREDITATION INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

RB/T 118-2014

**Energy management system. Requirements Certification for
pulp and paper plants
(English Translation)**

Issued on: August 20, 2014

Implemented on: March 1, 2015

Issued by: National Certification and Accreditation Administration

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Foreword

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

This standard is the specific requirements of GB/T 23331-2012 "Energy Management System Requirements" in pulp and paper enterprises, is GB/T 23331 Refinement.

This standard is one of the series of standards for energy management system certification.

This standard is proposed and managed by the National Certification and Accreditation Administration.

This standard was drafted. Beijing Zhongda Huayuan Certification Center, China Paper Association, China Pulp and Paper Research Institute, Hangzhou Huafeng (Xinfeng) Paper Industry Co., Ltd., Guangxi Nanning Phoenix Paper Co., Ltd., Shandong Sun Paper Co., Ltd., Vinda International Holdings Co., Ltd., Zhuhai Economics Jitang Hongta Renheng Paper Co., Ltd., Tongbiao Standard Technology Service Co., Ltd.

Introduction

The pulp and paper industry is one of the important raw material industries in China and a key industry for energy consumption in China.

The pulp and paper enterprises of this standard include pulping enterprises, papermaking enterprises, pulp and paper joint enterprises, their production scale and product types.

The differences in categories, manufacturing processes, technical equipment, and raw materials are large, and the industry management characteristics are obvious in terms of major energy use and energy consumption.

See Appendix A of this standard.

The purpose of this standard is to standardize the energy management process of pulp and paper enterprises, and to adopt a systematic approach to achieve pulp and paper enterprises.

Energy saving goals to improve energy performance. At the same time, this standard provides for the certification body to provide energy management system certification for pulp and paper enterprises.

First, the basis of the norm.

The national standard GB/T 23331-2012 "Energy Management System Requirements" stipulates the requirements for energy management systems applicable to various organizations.

It provides systematic requirements for the establishment, implementation, maintenance and improvement of energy management systems for various organizations. This standard is based on GB/T 23331-2012, Formulated for the management characteristics of energy use and energy consumption in pulp and paper enterprises. The basic framework of this standard is kept in accordance with GB/T 23331-2012 Consistent. Within the basic framework, relevant requirements for energy management systems for pulp and paper enterprises are proposed.

This standard does not stipulate specific energy performance standards for the paper industry, nor is it the design specification for the energy management system.

Pulp and paper enterprises may seek third-party certification bodies to certify their energy management systems in accordance with this standard, and may also conduct self-evaluation.

The price, self-declaration and the parties seeking confirmation of their compliance are referred to this standard.

Energy management system Pulp and paper enterprise certification requirements

1 Scope

This standard stipulates the certification requirements for energy management systems of pulp and paper enterprises and the basic requirements for system management of energy use and consumption.

Seeking and clarifying the core elements of the energy management system for pulp, paper and paper products enterprises.

This standard applies to the energy management system certification of pulp and paper enterprises, and can also refer to the energy management system certification of paper products enterprises.

use.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

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

General rules for thermal efficiency calculation of GB/T 2588 equipment GB/T 2589
General rules for comprehensive energy consumption calculation Test and evaluation of
GB/T 8174 equipment and pipeline insulation effect GB/T 10180 industrial boiler thermal
performance test procedures GB/T 15317 Energy-saving monitoring of coal-fired industrial
boilers GB/T 15910 thermal transmission system energy saving monitoring Energy-saving
monitoring of GB/T 15913 fan unit and pipe network system GB/T 15914 steam heating
equipment energy saving monitoring GB/T 16664 Enterprise Power Distribution System
Energy Saving Monitoring Method GB/T 16665 air compressor unit and gas supply system
energy-saving monitoring method GB/T 16666 pump type liquid conveying system energy
saving monitoring method GB/T 23331-2012 Energy Management System Requirements
GB/T 29454 Equipment and management requirements for energy measurement
instruments in pulp and paper enterprises

3 Terms and definitions

The following terms and definitions as defined in GB/T 2589, GB/T 23331-2012 apply to this document.

Pulp pulp

A fibrous material obtained by different methods from plant raw materials.

Note: In the energy statistics, the pulp is calculated according to the air dry pulp.

Paper

Plant fibers, mineral fibers, animal fibers, chemical fibers or a mixture of these fibers that are suitably treated (eg, beaten) from the suspension the material is deposited onto a suitable forming apparatus and dried to form a uniform sheet.

Note: Paper is usually divided into paper and paperboard according to thickness and quantity. Based on the same type of energy and process, this standard paper refers to paper or cardboard.