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

RB/T 117-2014

**Energy managment systems. Certification requirements for
nonferrous industry
(English Translation)**

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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 refinement of GB/T 23331 application in the non-ferrous metals industry.

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. China Quality Certification Center, China Inspection and Certification Group Shandong Co., Ltd., China Inspection and Certification Group Sichuan Company, China Inspection and Certification Group Hunan Co., Ltd., China Inspection and Certification Group Gansu Co., Ltd., Yanggu Xiangguang Copper Co., Ltd., Gold Sichuan Group Co., Ltd., Beijing United Intelligence Certification Co., Ltd., Fangyuan Logo Certification Group Co., Ltd., China Nonferrous Metals Industry Association Raw Metal Branch, Liaocheng Energy Conservation Law Enforcement Detachment.

Introduction

The non-ferrous industry is an important energy-consuming industry in China. The main types of energy are electricity, followed by coal, and the others are coke, crude oil and natural.

Gas, gas, refined oil, diesel, liquefied petroleum gas, bioenergy and other energy sources converted directly or through processing. Industry energy See Appendix A for basic consumption.

The purpose of this standard is to regulate the energy management process of non-ferrous

metals enterprises, involving mining of non-ferrous metals enterprises (open air, wells) Bottom), beneficiation, smelting, and processing; adopting a systematic approach to enable non-ferrous metals companies to achieve energy goals and improve energy performance. At the same time, this standard the certification body shall provide a unified and standardized basis for non-ferrous metal enterprises to carry out energy management system certification.

This standard is based on GB/T 23331-2012 "Energy Management System Requirements", combined with the energy use and management of non-ferrous metal enterprises Developed according to the situation. The basic framework of this standard is consistent with GB/T 23331-2012. Within the basic framework, Specific requirements for energy management in chromo-metal companies.

Non-ferrous metals companies can apply this standard in combination with quality, environmental, occupational health and safety management systems.

This standard does not specify specific energy performance guidelines for non-ferrous metals companies, nor does it provide detailed management system design specifications.

Non-ferrous metal enterprises may seek certification from third-party certification bodies for their energy management systems in accordance with this standard, and may also conduct self-evaluation.

Refer to this standard when confirming compliance with self-declaration and seeking parties.

Energy management system non-ferrous metal enterprise certification requirements

1 Scope

This standard specifies the energy management system certification requirements for non-ferrous metals enterprises and the basic requirements for energy consumption and consumption implementation system management.

Seeking, considering the factors affecting the energy performance of non-ferrous metal enterprises, and clarifying the requirements of the core elements of the energy management system of non-ferrous metals enterprises.

This standard applies to the energy management system certification of non-ferrous metals enterprises, and also applies to the establishment, implementation, maintenance and improvement of non-ferrous metal enterprises.

Its energy management system can also serve as a basis for all parties to evaluate the energy management system of non-ferrous metals enterprises and their energy performance.

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.

GB/T 8005.1 Terms for aluminium and aluminium alloys - Part 1. Product and process GB/T 8005.2 Aluminium and aluminium alloys - Part 2. Chemical analysis GB/T 8005.3 Aluminium and aluminium alloys - Part 3. Surface treatment GB 17167 Energy-using unit energy metering equipment management and general rules GB/T 20902 Non-ferrous metal smelting enterprises energy metering equipment provision and management requirements GB/T 23331-2012 Energy Management System Requirements GB 50595 Non-ferrous metal mine energy-saving design specification GB 50758 Non-ferrous metal processing plant energy-saving design specification GB 50771 Nonferrous Metal Mining Design Specification GB 50782 Non-ferrous Metal Concentrator Design Specification GB 50919 Non-ferrous metal smelting plant energy-saving design specification YSJ020 Heavy Non-Ferrous Metal Smelting Terminology Standard (Trial) (with attached text) YS/T 5022 Metallurgical Mine Mining Terminology Standard YS/T 5026 Light Metal Smelting Terminology Standard YS/T 5027 Terminology Standard for Nonferrous Metal Processing YS/T 5028 Non-ferrous metal beneficiation terminology standard

3 Terms and definitions

GB/T 23331-2012, YSJ020, YS/T 5022, YS/T 5026, YS/T 5027, YS/T 5028, GB/T 8005.1, the terms and definitions established in GB/T 8005.2 and GB/T 8005.3 apply to this document.

4.1.1 Requirements

Non-ferrous metal enterprises should meet the requirements of 4.1 of GB/T 23331-2012.