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

RB/T 114-2014

Replacing RB/T 114-2014

**Energy management system - Requirements for certification on
chemical enterprises manufacturing sodium carbonate, coking,
rubber and plastic products and pharmaceuticals etc.**

(English Translation)

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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 for standardization documents"

Drafting:

This document is GB/T 23331-2020 "Energy Management System Requirements and Use Guide" in soda ash, rubber products, plastic products (including the specific requirements for the application of chemical enterprises such as finished leather, coking chemicals, dyes, pesticides, pharmaceutical intermediates, and pharmaceuticals are a revision of GB/T

23331-2020:

Refinement:

This document replaces RB/T 114-2014 "Energy Management System Certification Requirements for Soda Ash, Coking, Rubber and Plastic Products, Pharmaceutical and Other Chemical Enterprises" Compared with RB/T 114-2014, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

- a) The structure, core technical elements, common terms and definitions of GB/T 23331-2020 are adopted;
- b) Added the environment in which the enterprise is located (see 4.1);
- c) Management representative has been deleted (see 4.2:2 of the:2014 edition);
- d) added measures to address risks and opportunities (see 6.1);
- e) Added planning for energy data collection (see 6.6);
- f) Added improvements (see 10.3);
- g) The scope of the management system has been changed (see 4.3, 4:1:2 of the:2014 edition);
- h) Changed the energy review (see 6.3, 4:4:3 of the:2014 edition);
- i) The energy performance parameters have been changed (see 6.4, 4:4:5 of the:2014 edition);
- j) Changed the energy benchmark (see 6.5, 4:4:4 of the:2014 edition);
- k) Changes have been made to operational planning and control (see 8.1, 8:2, 8:3, and 4:5:5, 4:5:6, and 4:5:7 of the:2014 edition):

1 Scope

This document specifies the energy management system for chemical enterprises such as soda ash, coking, rubber and plastic products, and pharmaceuticals (hereinafter referred to as "soda ash and other enterprises"):

Require:

This document is applicable to the establishment, implementation, maintenance and continuous improvement of the energy management system of soda ash and other enterprises:

Energy management system certification: It is used as a reference for other relevant parties to evaluate the energy management system of soda ash and other enterprises:

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document:

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document:

GB/T 2589 General rules for calculation of comprehensive energy consumption GB 17167 General rules for the allocation and management of energy metering instruments in energy-consuming units GB/T 21367 Requirements for the allocation and management of energy metering instruments in chemical enterprises GB/T 23331-2020 Energy Management System Requirements and Usage Guide

3 Terms and definitions

The terms and definitions defined in GB/T 23331-2020 and GB/T 2589 apply to this document:

4: The environment in which the enterprise is located

4.1 Understanding the organization and its environment

4.1.1 Enterprises should comply with the requirements of 4:1 of GB/T 23331-2020:

4.1.2 The enterprise shall identify the internal and external factors (positive or negative) that affect its energy performance and energy management system:

a) External factors include:

---National, local, industry, and superior unit goals, requirements, or standards, such as: energy control indicators issued by the competent authorities, unit Product energy consumption limit standards, elimination of outdated processes and high-energy-consuming equipment, etc.;

--- The cost or availability of the main energy sources used, the use of renewable energy, etc.;

--- Environmental and climatic factors, such as high temperature, sudden weather, etc.;

---Others, such as the impact of global greenhouse gases, carbon emissions trading, carbon peak, carbon neutrality, etc:

b) Internal factors include:

---Mission, vision and development strategy;

---Human resources, finance, energy costs, etc.;