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

RB/T 111-2014

**Energy management systems. Requirements for certification on
glass manufacturing plants
(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 specific requirements for the application of GB/T 23331-2012 "Energy Management System Requirements" in the glass industry.

Refinement of GB/T 23331-2012.

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

This standard was drafted. China Building Materials Inspection and Certification Group Co., Ltd., Beijing Guojian Lianxin Certification Center Co., Ltd., Fangyuan Zhizheng Group Co., Ltd., China Building Materials Science Research Institute, Qinhuangdao Glass Industry Research and Design Institute, China CSG Group Co., Ltd.

Limited company, Huaer Run Glass Industry Co., Ltd.

Introduction

The glass industry is one of the key industries for energy conservation and consumption reduction in China. With the increasing energy consumption, the contradiction between energy supply and demand is becoming increasingly tense.

Energy prices are rising, and at the same time, there is an overcapacity in the flat glass industry. The country is stepping up efforts to eliminate backward production capacity.

It is even more necessary to improve energy efficiency, reduce energy consumption, and save energy costs by strengthening energy management. Appendix A provides a glass line Basic situation of energy management in the industry.

The purpose of this standard is to regulate the energy management process of glass

enterprises and adopt a systematic approach to enable glass companies to achieve energy goals.

Improve energy performance. At the same time, this standard provides a unified and standardized basis for certification bodies to conduct energy management system certification in glass enterprises.

GB/T 23331-2012 specifies the requirements for energy management systems applicable to various organizations, establishing, implementing and maintaining for various organizations.

And improving the energy management system provides system requirements. This standard is based on the basic framework of GB/T 23331-2012, combined with the glass industry the actual situation of energy use and management puts forward specific requirements for energy management of glass enterprises.

Glass 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 glass companies, nor does it provide detailed design specifications.

Glass companies may seek third-party certification bodies to certify their energy management systems in accordance with this standard, and may also conduct self-evaluation and I declare and seek the relevant parties to refer to this standard when confirming their compliance.

Energy Management System Glass Enterprise Certification Requirements

1 Scope

This standard specifies the certification requirements for glass enterprise energy management systems.

This standard applies to the energy management system certification of flat glass enterprises and glass deep processing enterprises, and can be used for enterprise establishment, implementation, maintenance and Improving its energy management system can also serve as a basis for evaluating the energy management system of enterprises. Other glass companies can refer to the use of this standard.

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 11614 flat glass

GB 17167 Energy-using unit energy metering equipment management and general rules
GB 21340-2013 Flat glass unit product energy consumption limit GB/T 23331-2012 Energy Management System Requirements GB/T 24851 Building materials industry energy measurement equipment provision and management requirements GB 30252 Photovoltaic calendering glass unit product energy consumption limit GB 50527 flat glass factory energy-saving design specification JC/T 511 embossed glass JC/T.2001 glass for solar cells

3 Terms and definitions

The terms and definitions defined in GB 11614, GB 21340, GB/T 23331-2012 apply to this document.

4.1 General requirements

4.1.1

When conducting energy management system certification, an enterprise shall have the following basic conditions.

- a) Production processes and equipment meet national laws and regulations and industrial policy requirements;
- b) Energy metering equipment is equipped and managed in accordance with GB/T 24851;
- c) The flat glass production process is float and calendering, and the product quality meets the corresponding product standards, in which the flat glass meets GB 11614, calendered glass conforms to JC/T 511, JC/T.2001, the energy consumption level of unit products of flat glass produced According to the requirements of GB 21340, the energy consumption level of the unit product of photovoltaic rolled glass meets the requirements of GB 30252;
- d) Glass deep processing enterprises, which are products within the scope of national compulsory product certification, require a compulsory product certification.

4.1.2

The enterprise shall meet the requirements of 4.1 in GB/T 23331-2012.

4.1.3

Enterprises should analyze and evaluate the energy management status through appropriate evaluation methods before establishing an energy management system. Enterprise should Determine the scope and boundaries of the energy management system based on its own activity area, management authority, and site area.