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

RB/T 139-2023

**Construction industry - Quality management systems for
prefabricated building enterprises - Requirements
(English Translation)**

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Appendix A (Informative) Quality management characteristics and project implementation process of prefabricated building enterprises

Reference

Figure A:1 Process diagram of quality management system of prefabricated building enterprises

Figure A:2 Prefabricated building design flow chart

Figure A:3 Preliminary design flow chart of prefabricated buildings

Figure A:4 Flowchart of prefabricated building construction drawing design

Figure A:5 Flowchart of in-depth design of prefabricated buildings

Figure A:6 Production process flow chart of prefabricated building components

Figure A:7 Prefabricated building assembly construction flow chart

Figure A:8 BIM application flow chart for prefabricated buildings

Table A:1 Stakeholders of prefabricated building design companies and their corresponding needs and expectations

Table A:2 Stakeholders of component manufacturing companies and their corresponding needs and expectations

Table A:3 Stakeholders of EPC and construction companies and their corresponding needs and expectations

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:

Introduction

This document aims to standardize the operation process of the quality management system of prefabricated building enterprises and improve their performance:

The basis for enterprises to carry out quality management system certification with industry

characteristics:

The basic framework of this document is consistent with GB/T 19001-2016 "Quality Management System Requirements", including GB/T 19001-the full requirements of:2016, combined with the quality management characteristics of prefabricated building enterprises, put forward the specific requirements of the quality management system of prefabricated building enterprises:

This document specifies the content that is only applicable to specific prefabricated building enterprises (such as design, production and construction enterprises) in the corresponding clauses:

clear:

GB/T 50430 "Quality Management Specification for Engineering Construction Enterprises", GB/T 50380 "Quality Management Specification for Engineering Construction Design Enterprises" the relationship with this document is as follows:

---GB/T 50430 stipulates the quality management requirements for construction enterprises in the field of engineering construction: It is a general specification and is applicable to general contracting of engineering projects:

and construction companies, but no specific prefabricated management requirements were proposed:

---GB/T 50380 stipulates the quality management requirements for design companies in the field of engineering construction: It is a general specification applicable to design companies:

However, no specific management requirements for prefabricated buildings are proposed:

Quality of prefabricated construction enterprises in the construction industry Management system requirements

1 Scope

This document specifies the requirements for the quality management system of prefabricated building enterprises in the construction industry:

This document is applicable to prefabricated building enterprises to establish, implement, maintain and continuously improve their quality management system, and is used as a reference for external evaluation:

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 19000-2016 Quality Management System Fundamentals and Vocabulary GB/T 19001-2016 Quality Management System Requirements GB/T 50380 Quality management specification for engineering construction design enterprises GB/T 50430 Quality management specification for engineering construction enterprises GB/T 51129 Evaluation standard for prefabricated buildings GB/T 51235 Construction application standard for building information modeling RB/T 058 General Specification for Certification of Prefabricated Building Components and Parts

3 Terms and definitions

GB/T 19000-2016, GB/T 19001-2016, GB/T 51129, GB/T 51235 and RB/T 058 and the following the terms and definitions apply to this document:

A building assembled on site from component parts:

[Source: GB/T 51129-2017, 2:0:1] 3.2 Established in accordance with the law and meeting the market access conditions, engaging in prefabricated building engineering design, component production and assembly construction, and fulfilling social Responsible economic organization:

Note: Prefabricated building enterprises include design enterprises, component manufacturing enterprises, engineering general contractors and construction enterprises that undertake prefabricated building projects:

Parts

A building product or a composite product produced by a factory and composed of a peripheral protection system, equipment and pipeline system, and interior decoration system:

A general term for functional units:

[Source: RB/T 058-2020, 3:5]