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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 45434.2-2025

China standard time - Part 2: Metadata

中国标准时间 第2部分：元数据

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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 Part 2 of GB/T 45434 China Standard Time. GB/T 45434 has been published in the following parts.

- Part 1: General;
- Part 2: Metadata;
- Part 3: Communiqué.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the Equipment Development Department of the Central

Military Commission.

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Introduction

Standard time is widely used in communications, transportation, finance, scientific research, national defense construction and many other fields, affecting human production and life.

GB/T 45434 aims to clarify the generation, management and Service guidelines are planned to consist of 7 parts.

- Part 1: General. The purpose is to establish the basic principles for the generation, maintenance, comparison, publication and timing services of China Standard Time. This requirement.

- Part 2: Metadata. The purpose is to establish the content and format of data resources related to the generation and publication of China Standard Time.

The metadata entity and metadata attributes are defined in the form of a metadata entity.

- Part 3: Bulletin. The purpose is to establish the methods and requirements applicable to the compilation of the China Standard Time Bulletin.

- Part 4: Reference clock. The purpose is to establish the reporting, use and evaluation of reference clocks applicable to the generation of China standard time. About requirements.

- Part 5: Comparison link. The purpose is to establish the BeiDou/Global Satellite Navigation System applicable to the generation of China's standard time Requirements for the use, management and maintenance of (GNSS), satellite two-way and optical fiber time and frequency comparison links.

- Part 6: Broadcasting. The purpose is to establish the requirements applicable to technical organizations for broadcasting China's standard time signal.

- Part 7: Monitoring. The purpose is to establish the requirements applicable to technical organizations monitoring China's standard time signal.

China Standard Time Part 2: Metadata

1 Scope

This document specifies the attributes and model of China Standard Time metadata, establishes extension principles, and describes corresponding methods.

This document applies to the management of data resources related to the generation and release of China Standard Time.

2 Normative references

GB/T 26816

GB/T 39267

GB/T 45434.1

JJF1180

3.1 Terms and Definitions

The terms and definitions defined in GB/T 39267, JJF1180 and GB/T 45434.1 and the following apply to this document.

3.1.1 metadata

Data that defines and describes other data.

[Source. GB/T 19710.1-2023, 3.10, modified]

3.1.2 metadataelement

The basic unit of metadata used to describe a characteristic of an information resource.

Note. Metadata elements are unique within a metadata entity.

[Source. GB/T 19710.1-2023, 3.11, modified]

3.1.3 metadataentity

A collection of metadata elements that describe homogeneous characteristics of data.

Note. An aggregate entity of one or more entities.

[Source. GB/T 19710.1-2023, 3.12, modified]

3.2 Abbreviations

The following abbreviations apply to this document. CAT. China Atomic Time CST. China Standard Time