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**Artificial intelligence - Knowledge graph application platform -
Part 2: Performance requirements and testing method**

人工智能 知识图谱应用平台 第2部分：性能要求与测试方法

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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 45923 "Artificial Intelligence Knowledge Graph Application Platform". Lower part.

- Part 2: Performance requirements and test methods.

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Introduction

At present, knowledge graphs have been widely used in finance, securities, biomedicine, manufacturing, transportation, education, agriculture, telecommunications, e-commerce, publishing and other industries.

Rich application scenarios. As a specific carrier for the implementation of knowledge graphs in enterprises or institutions, the knowledge graph application platform supports enterprises and industries Intelligent accumulation, extraction, mining, circulation and management of knowledge, and providing knowledge services and system management functions required by enterprises.

GB/T 45923 "Artificial Intelligence Knowledge Graph Application Platform" is planned to consist of four parts.

- Part 1: Functional Requirements. The purpose is to specify the system architecture and functional requirements of the knowledge graph application platform.
- Part 2: Performance requirements and test methods. The purpose is to specify the performance requirements and corresponding tests of the knowledge graph application platform method.
- Part 3: Knowledge Services. The purpose is to specify knowledge services such as knowledge question answering, knowledge retrieval and knowledge recommendation based on knowledge graphs. Service requirements.
- Part 4: Knowledge Management. The purpose is to specify the knowledge management requirements of the knowledge graph application platform.

Artificial Intelligence Knowledge Graph Application Platform Part 2: Performance requirements and test methods

1 Scope

This document specifies the performance requirements for the knowledge graph application platform and describes the corresponding testing methods.

This document applies to the design, development, application, and performance testing of the knowledge graph application platform.

2 Normative references

GB/T 1988

GB/T 13000

GB 18030

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 knowledge

Knowledge, judgment or skills acquired through learning, practice or exploration.

[Source. GB/T 23703.2-2010, 2.1]

3.2 knowledge graph

A collection of knowledge elements and their connections described in a structured form.

[Source. GB/T 42131-2022, 3.6]

3.3 knowledge unit knowledge unit

A collection of knowledge elements organized according to certain relationships.

[Source. GB/T 42131-2022, 3.7]

3.4

A system that integrates knowledge graphs and business implementation logic, and has complete information flows and preset functions for knowledge graph construction and application.

3.5

The proportion of correct knowledge in the acquired knowledge.