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Artificial intelligence - General technical requirements for power agent

人工智能 电力智能体通用技术要求

(English Translation)

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Foreword

GB/Z 240-2026 is a national guiding technical document (GB/Z) of the People's Republic of China, issued on 27 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China.

It is under the responsibility of the Standardization Administration of China.

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1 Scope

Agents in power information systems are the subject of this guidance document, which sets general technical requirements for power agents. According to its scope, it establishes the system architecture of agents in power information systems and specifies technical requirements for them in terms of functions, quality characteristics, interfaces, security, and application and deployment. It applies to the development, operation and maintenance of power agents.

Functional requirements are organized by module, covering perception, memory, decision and planning, execution and interaction. Quality characteristics include reliability, usability, performance efficiency and portability, and interface requirements address the management system, runtime environment, data sources and tools. Informative annexes give typical application cases and some efficiency parameters.

It is a GB/Z document, so it provides guidance and not mandatory requirements. Utilities, power software developers, AI vendors and system integrators can use it as a design and operations reference. Issued on 27 August 2026 by the national standardization administration, it accompanies a document on evaluating large models in the power industry.

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