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Artificial intelligence - Classification guideline for application scenarios of steel industry

人工智能 钢铁行业应用场景分类指南

(English Translation)

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Foreword

GB/Z 224-2026 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.

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1 Scope

Applying artificial intelligence in a steel plant starts with knowing which kinds of use cases exist, and this guidance document supplies a classification guideline for AI application scenarios in the steel industry. It helps users sort and describe scenarios in a consistent way, so that projects, products and evaluations can refer to a common set of categories. As a GB/Z document, it gives guidance and is not a mandatory standard.

Steel producers planning digital and intelligent manufacturing programs, AI solution vendors that serve metallurgical customers, industry associations, and research or consulting teams that survey applications will be its principal readers. Technology buyers can use a shared classification when writing requirements, and suppliers can use it to position their offerings clearly. The document was issued on 27 August 2026 by the national standardization administration. A related guidance document issued the same day addresses the maturity assessment of steel large models, and the two together reflect national interest in structured AI adoption in heavy industry. It is relevant to anyone studying AI deployment in Chinese steelmaking.

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