

ICS 77.010
CCS H07

YB

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

YB/T 6477-2026

**Artificial intelligence - Industry application - Technical
requirements for the optimization system of hot metal
transportation scheduling**

人工智能 赋能应用 铁水运输调度优化系统技术要求
(English Translation)

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Foreword

YB/T 6477-2026 is a recommended industry standard of the People's Republic of China in the Ferrous Metallurgy sector, approved and issued by the Ministry of Industry and Information Technology on 15 July 2026, with effect from 1 February 2027.

It is administered by the National Technical Committee for Pig Iron and Ferroalloys Standardization.

Classification: ICS 77.010; CCS H07.

1 Scope

YB/T 6477-2026 sets out technical requirements for artificial-intelligence-based optimization systems for hot metal transportation scheduling. It covers basic requirements, system architecture, and requirements for the equipment layer, data layer, model layer and application layer, together with system information security requirements. It applies to optimizing the hot metal transportation scheduling systems of steel enterprises that use dedicated rail transport, including locomotives and self-propelled hot metal ladle cars.

Iron and steel works, their logistics and production planning teams, and suppliers of scheduling software and control systems can use it to design, build and evaluate such systems. It is a voluntary standard, as the /T in its code shows. It was approved by the Ministry of Industry and Information Technology, issued on 15 July 2026 and takes effect on 1 February 2027. It is a new standard.