

ICS 77.020
CCS H07

YB

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

YB/T 6542-2026

**Technical requirements for industrial microservice components
applied in the iron and steel industry**

钢铁行业应用工业微服务组件技术要求

(English Translation)

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Foreword

YB/T 6542-2026 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 China Iron and Steel Association.

Classification: ICS 77.020; CCS H07.

1 Scope

The document sets out the technical requirements for developing and applying software with microservice component technology in the iron and steel industry. Its content includes the overall architecture, basic requirements, the conversion of iron and steel industry application software into microservices, the technical and development requirements for iron and steel industry microservice components, and the technical requirements for the industrial microservice runtime platform. It applies to the selection, design and development of microservice components for the iron and steel industry, as well as their containerized deployment, operation and maintenance management.

Steel producers, industrial software developers, system integrators and platform operators working on steel plant information systems can use it. It is a voluntary standard (code with /T), issued by the Ministry of Industry and Information Technology on 15 July 2026 and effective from 1 February 2027. It is a new standard.