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

**GB/T 47118-2026**

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**Networked collaborative manufacturing for metallurgical  
equipment - General technical requirements**

冶金装备网络化协同制造 通用技术要求

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## Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the National Technical Committee on Standardization of Metallurgical Equipment (SAC/TC409). This document was drafted by: China Heavy Machinery Research Institute Co., Ltd., Chongqing University, China First Heavy Machinery

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## 1 Scope

GB/T 47118-2026 is the Chinese national standard covering building metallurgical plant across a network of companies - the shared product data, the distribution of design and manufacturing tasks, the scheduling across sites and the quality traceability of a machine assembled from parts made in a dozen places. First edition, in force since 1 May 2026. It was issued on 28 January 2026 and has been in force since 1 May 2026, as a first edition. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the overall architecture, technical requirements, and requirements for the networked collaborative manufacturing platform for metallurgical equipment. This document applies to metallurgical equipment manufacturing enterprises and their upstream and downstream supply chain partners, enabling them to conduct collaborative manufacturing under the support of a networked collaborative manufacturing platform. Implementation and management of networked collaborative manufacturing.

Note. Metallurgical equipment mainly includes smelting equipment, continuous casting equipment, rolling equipment, heavy forging and extrusion equipment, etc.

## 2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 11457 Terminology for Information Technology Software Engineering

GB/T 15498 Basic Guarantee for Enterprise Standard System

GB/T 31496 Information Technology Security Technology - Guidelines for Information Security Management System

GB/T 42134 Terminology for Mass Personalized Customization in Intelligent Manufacturing

GB/T 44462.2 Industrial Internet Enterprise Cybersecurity Part

**3.1 Terms and Definitions** The terms and definitions defined in GB/T 11457 and GB/T 42134, as well as the following terms and definitions, apply to this document.

3.1.1 By leveraging network and information technologies, and integrating dispersed manufacturing resources, through resource sharing and optimized allocation, enterprises can achieve internal and supply chain integration. A manufacturing process that involves collaborative work among upstream and downstream enterprises in the supply chain, encompassing product research and development, design, manufacturing, production, logistics, sales, service, and management. model.

3.1.2 Based on the networked collaborative manufacturing (3.1.1) model, information technology, network technology, and manufacturing technology are integrated to support the efficient use of internal and external resources within enterprises. A comprehensive platform for collaboration and sharing, enabling joint completion of manufacturing tasks.

3.2 Abbreviations The following abbreviations apply to this document. PaaS. Platform as a Service