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

YS/T 3046-2024

**Digital factory of gold industry - General requirements
(English Translation)**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

1 Scope

This document specifies the architecture, basic requirements, production resource requirements, equipment and facility requirements, information interaction, and other requirements of the digital workshop in the gold industry.

Requirements and production operation management requirements, etc.

This document applies to the planning, construction (new construction or reconstruction), operation and management of digital workshops of gold production enterprises.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

GB/T 22239 Information security technology Network security level protection basic requirements
GB/T 35274 Information security technology Big data service security capability requirements
GB/T 37393 General technical requirements for digital workshops
GB/T 37413 Digital Workshop Terms and Definitions

3 Terms and definitions

The terms and definitions defined in GB/T 37413 and the following apply to this document.

Mining workshop mining workshop the production unit of gold ore is mined from underground gold resources using various mining technologies and process equipment.

A production unit that uses different smelting technologies and process equipment to enrich gold ore into gold concentrate or rough gold.

Refining workshop

A production unit that processes crude gold into standard gold ingots using different refining technologies and process equipment.

Digital Factory

Based on the process and equipment required for gold production, using information technology, automation, measurement and control technology, etc. as means, using data connection an implementation unit that connects different production units such as mining, beneficiation and refining to plan, manage, diagnose and optimize the gold production process.

[Source. GB/T 37413-2019, 2.1, modified]

4 Abbreviations

The following abbreviations apply to this document.