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**Classifications for mineral resources and mineral
reserves**

固体矿产资源储量分类

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Table of Contents

Foreword.....	3
1 Scope.....	5
2 Terms and definitions	5
3 Classification of resources and reserves	9
4 Relationship between resources and reserves	9
5 Release and use of terms	10
Annex A (informative) Types of mineral resources	11

Classifications for mineral resources and mineral reserves

1 Scope

This Standard specifies the classification of mineral resources and reserves, their relationship, release and use of terms.

This Standard applies to the statistics and release of mineral resources; mineral resource management and planning, policy formulation; formulation of mineral exploration and development related technical standards; estimation, evaluation and information release of resources and reserves.

2 Terms and definitions

For the purpose of this document, the following terms and definitions apply.

2.1

mineral resource

A solid natural enrichment of useful value formed by geological processes in the crust or on the surface.

2.2

mineral exploration

An activity to discover mineral resources, ascertain their spatial distribution, shape, occurrence, quantity, quality, mining and utilization conditions, and evaluate their industrial utilization value.

NOTE 1: Mineral exploration is usually realized by relying on earth science knowledge, using methods such as geological mapping, remote sensing, geophysics, geochemistry, and sampling projects such as trenching, drilling, and pit exploration, combining with sampling testing, experimental research and technical and economic evaluation.

NOTE 2: According to the degree of work from low to high, mineral exploration is divided into three stages: general exploration, detailed exploration and advanced exploration.

2.3

mineral resources

Mineral resources that are expected to be economically exploitable after mineral exploration and scoping study; the quantity, grade or quality is estimated based on geological information, geological knowledge and related technical requirements.

2.8

inferred resources

Resources delineated and estimated by sparse sampling projects, as well as the extrapolated part of indicated resources or measured resources; the spatial distribution, shape, occurrence and continuity of the ore body are reasonably inferred; the quantity, grade or quality is estimated based on limited sampling projects and information data; the geological confidence is low.

2.9

indicated resources

Resources delineated and estimated by systematic sampling projects; the spatial distribution, shape, occurrence and continuity of the ore body have been basically determined; the quantity, grade or quality is estimated based on major sampling projects and information data; the geological confidence is high.

2.10

measured resources

Resources delineated and estimated by the encryption project on the basis of systematic sampling projects; the spatial distribution, shape, occurrence and continuity of the ore body have been determined; the quantity, grade or quality is based on sufficient sampling projects and detailed information data; the geological confidence is high.

2.11

modifying factors

Factors that shall be considered when modifying resources into reserves.

NOTE: Modifying factors mainly include mining, processing and smelting, infrastructure, economy, market, law, environment, community and policy.

2.12

mineral reserves

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