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

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Regulation on remote sensing monitoring of mining exploration

矿产资源开发遥感监测技术规范 清晰版

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard was proposed by the Ministry of Land and Resources of the People's Republic of China.

This standard is under the jurisdiction of the National Land Resources Standardization Technical Committee (SAC/TC93).

This standard was drafted. China Land Resources Aviation Geophysical and Remote Sensing Center.

Introduction

Based on the summary of multi-objective remote sensing survey and monitoring methods for mineral resources development, remote sensing monitoring for the development of mineral resources this standard is formulated in terms of content, procedures, methods, and requirements.

Technical specification for remote sensing monitoring of mineral resources development

1 Scope

This standard specifies the remote sensing monitoring of mineral resources development (mineral resources development status, mine geological environment problems and mineral resources planning, etc.) Work content, procedures, methods and requirements.

This standard is applicable to the application of aviation and aerospace remote sensing technology for remote sensing monitoring of mineral resources development. Mineral

resources development emergency monitoring and other workers can be referred to the implementation.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated version applies to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 17695 Map public symbol for public information graphic symbols DZ/T 0191 1.250000
geological map geographic base map coding specification GB 14512 1.1000000
topographic map compilation specification and schema

3 Terms and definitions

The following terms and definitions apply to this document.

Remote sensing monitoring Use of one or more remote sensing data, combined with mineral resource planning, prospecting rights, mining rights data, mineral resources development status, mines Remote sensing investigations such as mountain geological environment problems and mineral resources planning (implementation).

Mine geological environment problem mininggeo-environmentalproblems Refers to the destruction of the geological environment caused by activities such as exploration and exploitation of mineral resources. Mainly including mining ground subsidence, ground fissure, and collapse Geological disasters such as collapse and landslide; aquifer destruction; topographic and landscape damage, water and soil pollution.

Tailings resources tailingresources Under certain economic and technical conditions, tailings formed with a certain scale and (future) can be developed and utilized.

4.1 Purpose task

Through remote sensing monitoring such as the development and utilization of mineral resources, mine geological environmental issues and mineral resources planning (implementation), Obtain objective basic data, form a comprehensive analysis and evaluation report, develop mineral resource planning for the country, and maintain the sustainable development of mineral resources Provide technical support and decision-making basis for utilizing and maintaining mining order, managing mineral geological disasters and comprehensively rectifying the mining environment.

4.2.1 Remote sensing monitoring of mineral resources planning

In comparison with the overall planning of mineral resources, use the second phase (latest phase data, planning base year data) to remotely monitor images, monitor restrictions, prohibitions, etc.