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Information technology - Mine big data - Technical requirements

信息技术 矿山大数据 技术要求

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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.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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Information Technology - Technical Requirements for Mining Big Data

1 Scope

This document establishes the technical framework of mine big data, specifies the overall requirements, mine data sources, mine big data platform, mine data application. The requirements for mine data usage, mine data governance and mine data security are as follows.

This document applies to the collection, transmission, processing and application of big data in coal mines, metal and non-metal mines.

2 Normative references

GB/T 34960.5-2018

GB/T 35274-2023

GB/T 35295-2017

GB/T 37721-2019

GB/T 37722-2019

GB/T 37973-2019

GB/T 38673-2020

GB/T 42130-2022

GB/T 44216-2024

3 Terms and Definitions

The terms and definitions defined in GB/T 35295-2017 and the following apply to this document.

3.1 big data

It has the characteristics of huge volume, diverse sources, extremely fast generation and variability, and is difficult to be effectively processed by traditional data architecture. The data of the data set.

[Source. GB/T 35295-2017, 2.1.1]

3.2 Important data keydata

Specific areas, specific groups, specific regions or with a certain accuracy and scale, once leaked, tampered or damaged, may directly endanger Data on national security, economic operation, social stability, and public health and safety.

Note. Data that only affects the organization itself or individual citizens is generally not considered important data.

[Source. GB/T 43697-2024, 3.2]

3.3 Mine data minedata

The costs generated by mine production, safety, operation, environmental protection, occupational health and other aspects as well as those not directly generated by mines but related to mine safety and production