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

NB/T 11629-2024

**Specification for classification and coding of materials in the
coal industry**

煤炭行业物资分类与编码规范

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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. This document was proposed by the China Coal Industry Association. This document is under the jurisdiction of the Coal Industry Coal Mine Special Equipment Standardization Technical Committee. This document was drafted by: National Safety Marking Center for Mining Products Co., Ltd., China Coal Technology and Engineering Group Information Technology Co., Ltd., Guoneng

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The classification and coding standards of coal industry materials are the cornerstones for the development of smart mines, big data, and product traceability, and are of great significance to the integration of industrialization and information technology and digitalization of enterprises. Transformation plays an important supporting role. At present, GB/T 7635.1-2002 "National Major Product Classification and Code Part

1. Transportable Products" product classification method and classification The information does not take into account the characteristics of the coal industry in terms of design, construction, production, operation and maintenance. The product classification is not comprehensive enough. Carbon enterprises have different management systems and business segments, and their material standardization systems are different. Problems such as data redundancy and data silos cannot be solved well. Support the digital transformation of the coal industry. Therefore, combined with the current characteristics of coal industry enterprises, we re-sorted out the application of material data in coal industry enterprises. The current situation, the establishment of a unified material standardization system, serving the production, transportation, and sales of coal enterprises, can achieve high-quality integration of coal production data resources. It supports the integrated business and financial management of coal enterprises and promotes the digital transformation of the coal industry. Classification and coding specifications for materials in the coal industry

1 Scope

NB/T 11629-2024 is the Chinese specification that gives every material used in the coal industry a single unique code. It exists because a large mining group buys hundreds of thousands of distinct items across dozens of sites, and until they share one naming scheme nobody can answer the two questions that decide procurement: what do we actually have in stock across the group, and what are we really paying for the same thing at different mines. The same bearing sits in one warehouse under the manufacturer's part number, in another under a description typed by a storekeeper, and in a third under a legacy code from a company that was acquired; the group ends up buying an item it already owns, and pays

three different prices for it. This document is the remedy, and its value is in its completeness rather than its theory. It sets the classification principles - practicality, comprehensiveness, and above all stability, since a classification that is adjusted arbitrarily destroys the history it was built to preserve - and applies the line classification method to divide materials into major, medium and minor classes, with the fineness of the minor class set so that every material ends up with exactly one code. The code itself is a hierarchical eight digit number: two digits of major class, two of medium class, four of minor class, so that major class 01, special coal winning equipment, contains medium class 0101, coal winning equipment and parts, which contains minor class 01010001, the shearer. The substance is the catalogue: thirty-eight major classes covering the whole industry, from coal winning equipment, roof support, drilling, washing and wagon loading, through safety monitoring and refuge and rescue, water and solid waste treatment, electrical and coal chemical and power generation equipment, construction materials and machinery, communications and transport, mine digitalisation and intelligent equipment and sensors, to the consumable end of the business - fuels and lubricants, steel, cable, instruments, conveyor belts, valves, pumps, explosives and radiation sources, seals, tools, labour protection and firefighting supplies, utilities and services. A hundred and ten page informative annex gives the attribute templates that define, for each class, the name, description, specification and unit of measurement fields that a material record must carry. It was issued on 24 September 2024 by the National Energy Administration and takes effect on 24 March 2025.

This document specifies the classification principles, coding methods, coding structure and material description templates for coal industry material data. This document applies to the standardized management of material classification and coding in the coal industry.

Note. Material classification includes all the 38 categories referred to in this document.

2 Normative references

This document has no normative references.

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 According to different requirements of material management, materials are classified into categories according to certain signs.

3.2 Material attribute template materialtemplate A template for defining and managing the attributes of characteristic quantities such as name, description, specification model and unit of measurement in material coding.

3.3 By carefully classifying materials according to their properties, uses and other key characteristics, and giving each type of material a unique set of words, symbols, A number or sequence of numbers, or "codes", is used as a systematic management tool to concisely

represent the "name" and "category" of materials.

3.4 According to the selected attributes or characteristics, the classification objects are subdivided level by level according to the hierarchical structure, and each level represents a classification dimension. Each dimension is further divided into several specific categories, forming a systematic classification system that progresses from broad to narrow. method.

4 Principles of material classification

4.1 General Principles The material classification principles should meet the following requirements.

- a) Practicality. It should meet the requirements of practicality, applicability and convenience in material procurement and information management.
- b) Comprehensiveness. Satisfy the needs of different levels of material management.
- c) Stability. Once the material classification is established, it will not be adjusted at will.

4.2 Division Principles This document should adopt the line classification method to classify materials into major categories, medium categories and minor categories. The classification principles are as follows: