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

GB 39800.11-2025

**Specifications for the provision of personal protective
equipment - Part 11: Subway**

个体防护装备配备规范 第11部分：地铁

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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. This document is Part 11 of GB 39800 "Specifications for the use of personal protective equipment". GB 39800 has been published in the following parts.

- 1. General provisions;
- 2. Petroleum, chemicals, and natural gas;
- 3. Metallurgy and nonferrous metals;
- 4. Non-coal mines;
- 5. Building materials;

12. Architecture. 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 is proposed and coordinated by the Ministry of Emergency Management of the People's Republic of China.

Personal protective equipment, also known as labor protection equipment, is the "last line of defense" to protect the lives and safety of hundreds of millions of workers. Wearing and using personal protective equipment is an important means to ensure safe production and emergency management in my country. The standard for the provision of protective equipment is to combine Article 45 of the "Safety Production Law of the People's Republic of China" and the "Management Standards for Labor Protection Articles of Employers" GB 39800 "Specifications for the Provision of Personal Protective Equipment" aims to establish the provisions and management of personal protective equipment for employers. It is

planned to consist of the following 12 parts.

1.General. The purpose is to establish the overall requirements for the provision of personal protective equipment by employers, including the principles of provision, Process, identification and assessment of workplace hazards, selection, disposal and replacement of personal protective equipment, training and use, etc.

2.Petroleum, chemical industry, natural gas. The purpose is to establish the requirements for personal protective equipment for employers in the petroleum, chemical industry and natural gas industries. Equipment requirements, identification and assessment of hazards, etc.

3.Metallurgy and nonferrous metals. The purpose is to establish the requirements for individual protective equipment of employers in the metallurgical and nonferrous metals industries, the causes of hazards Identification and evaluation of factors, etc.

4.Non-coal mines. The purpose is to establish the requirements for individual protective equipment and hazard factors for employers in the non-coal mining industry. identification and evaluation, etc.

5.Building materials. The purpose is to establish the requirements for individual protective equipment for employers in the building materials industry, the identification and Evaluation, etc.

1 Scope

Part 11 of China's mandatory series on the provision of personal protective equipment, covering metro and subway operations - a sector that has grown from almost nothing to tens of thousands of kilometres of line in a generation, and which presents a combination of hazards found nowhere else together. This document specifies the overall requirements for the provision of personal protective equipment by metro operators, the identification and assessment of the hazard factors, and the requirements for the equipment itself. It is applied together with the general requirements of Part 1. What makes the metro a distinct case is that most of the work is done underground, at night, in a confined space with limited egress, beside a live traction supply and on a railway that will be carrying passengers again in a few hours. The hazards follow from that: the traction current, whether third rail or overhead; moving trains and engineering vehicles during possessions; the tunnel environment with its dust, its ventilation and its temperature; noise from the track machines in a space that reflects everything back; confined spaces in shafts, sumps and cable ways; work at height on overhead line and in stations; the chemical exposures of track and rolling stock maintenance; and, for station and train staff, the different set of problems that come from working with the public. The document takes the roles in turn - track and civil maintenance, power supply, signalling and communications, rolling stock depot, station and train operations, cleaning - identifies the hazard factors for each, and sets the equipment

that must be provided against them, including the high visibility clothing that on a railway is not comfort but the primary means by which a worker is seen in time. Issued on 30 June 2025 and in force since 1 July 2026.

This document stipulates the overall requirements for individual protective equipment (i.e. labor protection equipment) for each employer in the subway operation industry, the causes of hazards, Identification and assessment of factors and requirements for personal protective equipment. This document applies to the provision and management of personal protective equipment by employers in the subway operation industry. This document does not apply to the provision and management of personal protective equipment for firefighting by employers in the subway operating industry.

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 39800.1 Specification for personal protective equipment Part

3 Terms and Definitions

The terms and definitions defined in GB 39800.1 apply to this document.

4 General Requirements

The principles, management and procedures for the provision of personal protective equipment shall be implemented in accordance with GB 39800.1.

5 Identification and assessment of hazards

Employers should combine the characteristics of safety production in the subway operation industry and follow the requirements of GB 39800.1 to determine the safety risks that may occur during the production process. Employers can identify and assess the hazard factors of the work according to the job categories listed in Table 1 or refer to the job types listed in Appendix A. Identify the hazard factors and conduct hazard assessment on the identified hazard factors, which will serve as the basis for selecting appropriate personal protective equipment.