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

GB 39800.1-2020

Replacing GB/T 11651-2008

**Specification for the provision of personal protective equipment
- Part 1: General requirements**

个体防护装备配备规范 第1部分：总则

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Foreword

GB 39800 "Personal Protective Equipment Provisioning Specification" is divided into the following parts: - Part 1: General requirement; - Part 2: Oil, chemical and gas industry; - Part 3: Metallurgy, nonferrous metals; - Part 4: Non-coal mines; ... This part is Part 1 of GB 39800. This part was drafted in accordance with the rules given in GB/T 1.1-2009. This part replaces GB/T 11651-2008 "Code of practice for selection of personal protective equipments" and GB/T 29510-2013 "General requirements for the distribution of personal protection equipment". This part is based on GB/T 29510-2013 AND integrates the content of GB/T 11651-2008. Compared with GB/T 29510-2013 and GB/T 11651-2008, in addition to structural adjustments and editorial changes, the main technical changes are as follows: - MODIFY of some content in the Scope; - ADD some terms and definitions; - ADD the basic requirements for the provision of dispatched labor, temporary hires, etc.; - ADD the national standard industry code for personal protective equipment in the industry; - MODIFY the configuration process of personal protective equipment; - ADD the hazard assessment; - MODIFY the classification, protective function, scope of application of commonly used personal protective equipment; - ADD the traceability; - ADD the training and management related content; - MODIFY the common types of operations AND the types of accidents that Specification for the provision of personal protective equipment - Part 1: General requirement

1 Scope

Part 1 of China's mandatory series on the provision of personal protective equipment, and the general part that the industry parts are built on. It specifies the general requirements for the provision of personal protective equipment by an employer, the identification and assessment of the hazard factors present, the selection and provision of the equipment that follows, and its use, maintenance and replacement. It applies to the provision of personal

protective equipment by employers, and it replaces the earlier general rule GB/T 11651-2008 - the change from a recommended standard to a mandatory one being the substance of this edition. What the document does that a product standard cannot is connect the hazard to the equipment. A respirator standard says what a respirator must be; it says nothing about who needs one. This standard sets out the method: identify the hazard factors present in each job, assess the exposure, and then provide the equipment that corresponds - with the annexes giving the correspondence between hazard and protection, the classification of the equipment and the requirements for each part of the body. Around that sit the provisions that decide whether the equipment works in practice rather than on paper: that it must fit the individual, that respiratory protection must be fit tested, that the employer must train the wearer, that equipment has a service life and must be replaced rather than kept until it visibly fails, and that its condition must be checked. Those clauses exist because unused, ill-fitting or expired equipment is the normal failure mode of personal protection - not the absence of the equipment, but its presence in a form nobody wears. Issued on 24 December 2020 and in force since 1 January 2022.

This part of GB 39800 specifies the overall requirements for the configuration of personal protective equipment (i.e., labor protection equipment), including the principle of configuration, the configuration process, the identification and evaluation of hazardous factors in the workplace, the selection of personal protective equipment, traceability, discarding judgement and replacement, training and use, etc. This part applies to the configuration and management of personal protective equipment for all employers. This part does not apply to the configuration and management of personal protective equipment for firefighting of all employers.

2 Terms and definitions

The following terms and definitions apply to this document.

2.1 Personal protective equipment; PPE Labor protection products The general term for the protective products, which are worn, equipped, used by practitioners, to protect against physical, chemical, biological, other external factors.

GB/T 12903-2008, definition 3.1.

Note 2: Int includes safety helmets, earplugs, self-contained filter gas masks, anti-static clothing, safety belts, etc.

2.2 Occupational hazard factor Factors, that are generated from professional activities AND can directly

3.5 Employers shall allocate and manage personal protective equipment for the labor dispatch workers, temporary hired personnel, accepted interns, other external personnel, which is allowed to enter the workplace.

3.6 Employers shall, on the basis of this part, carry out the configuration and management of personal protective equipment, in accordance with the national standards for personal protective equipment in the industry. Where there is no national standard for personal protective equipment in the industry, the personal protective equipment shall be equipped and managed, in accordance with the requirements of this part. Please refer to Appendix A for the industry number and related numbers of personal protective equipment.

4 Procedures for configuring personal protective

4.1 Configuration process The configuration of personal protective equipment shall be carried out in accordance with the process, which is shown in Figure 1. Among them, the identification and evaluation of hazardous factors AND the selection of personal protective equipment are the key links in the entire deployment process. Please refer to

4.2 and 4.3, for specific specifications.

4.2.1 Identification of hazardous factors

4.2.1.1 Principles of Identification The identification principles of hazardous factors are as follows:

- a) It shall identify the possible hazardous factors, according to national laws, regulations, standards and professional knowledge, based on the characteristics of different workplaces, production processes, operating environments.
- b) It shall carry out systematic analysis for all factors in production and operation activities, including personnel, equipment and facilities, materials used, process methods, environmental conditions, management systems, etc. It shall analyze not only the hazardous factors, which exist in normal production operations, but also the hazardous factors, that may occur in the case of changes in technology, materials, processes, equipment faults or failures, personnel operating errors, etc.

4.2.1.2 Identification method 4.2.1.2.1 The hazardous factors in the operating environment shall be analyzed, by means of on-site investigation, measurement, checking relevant records, inquiry and communication. See Appendix B for common job types AND possible accidents or injury types. See Appendix C for the classification and code of hazardous and harmful factors in the production process. 4.2.1.2.2 When identifying hazard factors, the analysis shall be conducted mainly from the following aspects:

- a) Normal working state;
- b) Abnormal working state;
- c) Personnel operation activities;
- d) Equipment procurement, storage and transportation, as well as the operation, repair and

maintenance of equipment and facilities;

e) Raw and auxiliary materials, intermediate products and final products;

f) Production and construction technology;

g) Environmental conditions;

h) Management system;

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