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

GB/T 17680.8-2025

Replacing GB/T 17680.8-2003

**Criteria for emergency preparedness and response for nuclear
power plants - Part 8: On-site nuclear emergency plan and
implementing procedures**

核电厂应急准备与响应准则 第8部分：场内核应急预案与执行程序

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document is Part 8 of GB/T 17680. GB/T 17680 has the following parts published.

---Nuclear Power Plant Emergency Planning and Preparedness Guidelines Part

1. Delineation of Emergency Planning Zones;

---Nuclear Power Plant Emergency Preparedness and Response Guidelines Part

2. Off-site Emergency Organization and Functions;

---Nuclear Power Plant Emergency Preparedness and Response Guidelines Part

3. Functions and Characteristics of Off-site Emergency Facilities;

---Nuclear Power Plant Emergency Preparedness and Response Guidelines, Part

4. Off-site Nuclear Emergency Plans and Implementation Procedures;

---Nuclear Power Plant Emergency Planning and Preparedness Guidelines Part

5. Maintaining Off-Site Emergency Response Capabilities;

---Nuclear Power Plant Emergency Preparedness and Response Guidelines, Part

6. On-site Emergency Organization and Functions;

1 Scope

GB/T 17680.8-2025 is the Chinese national standard covering the plan inside the fence - the emergency classification and its declaration, the control room and the emergency centres, the accident assessment, the on-site protective actions and accountability of personnel, and the notification to the authorities. Part 8 of the series. It replaces GB/T

17680.8-2003 and is already in force. It was issued on 5 October 2025 and has been in force since 5 October 2025, replacing GB/T 17680.8-2003. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the basic requirements, format, and content for the preparation of on-site nuclear accident emergency plans and execution procedures at nuclear power plants. This document applies to the development of emergency response plans and execution procedures for nuclear accidents at on-site large-scale stationary nuclear power plants. Other nuclear facilities can refer to this document. implement.

2 Normative references

This document has no normative references.

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 emergency plan It describes the work objectives, policies, and response philosophy of emergency response, as well as the organizations and functions for conducting a systematic, coordinated, and effective response. Responsibility, and the approved documents.

Note. This must be implemented through specific emergency execution procedures.

3.2 To ensure timely and effective public protection actions in the event of a nuclear power plant accident, protective measures were established and implemented in advance around the nuclear power plant. Areas with nuclear emergency response plans and preparedness.

Note. my country currently classifies emergency plans into two categories. plume emergency planning areas targeting plume irradiation pathways and ingestion emergency planning areas targeting ingestion irradiation pathways. Divide into districts.

3.3 emergency facilities Emergency response sites, systems, and equipment are set up in accordance with the principle of positive compatibility and relevant regulations.

3.4 For events or accidents that deviate from normal operating conditions at nuclear power plants, emergency states are classified into different categories based on their potential or actual impacts or consequences. The level.

Note. The emergency status levels of nuclear power plants are divided into emergency standby (U), plant emergency (A), site emergency (S), and off-site emergency (G). [Source: HAD002/08-2022, 2.1, modified]

3.5 Measures and actions taken at or near the incident site that leads to an emergency in order to control or mitigate the consequences of an accident.

Note. Examples include core damage mitigation and control, emergency repairs, firefighting, flooding control within the plant, and resistance to wind and earthquake disasters.

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