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

GB/T 17680.6-2025

Replacing GB/T 17680.6-2003

**Criteria for emergency preparedness and response for nuclear
power plants - Part 6: On-site emergency organizations and
functions**

核电厂应急准备与响应准则 第6部分：场内应急组织与职能

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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Emergency Response Functions
 - 4.1 Basic Functions
 - 4.2 Support Functions
- 5.1 General Rules
- 5.2 Composition and Responsibilities of the Emergency Command Center
- 5.3 Expert Advisory Group
- 5.4 Composition and Responsibilities of the Operation Control Team
- 5.5 Composition and Responsibilities of the Technical Support Team
- 5.6 Composition and Responsibilities of the Operations Support Team
- 5.7 Composition and Responsibilities of the Radiation Protection Team
- 5.8 Composition and Responsibilities of the Logistics Support Team
- 5.9 Composition and Responsibilities of the Public Information Group
- 6 On-site Emergency Organization and Functions
- 7 Functions and Characteristics of On-Site Emergency Facilities
- 8 On-site Nuclear Emergency Response Plans and Implementation Procedures

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 6 of GB/T 17680. GB/T 17680 has already published the following parts.

---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 Response 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 17680.6-2025 is the Chinese national standard on criteria for emergency preparedness and response for nuclear power plants - part 6: on-site emergency organizations and functions, in the field of energy and heat transfer engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 5 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 5 October 2025. Classification: ICS 27.120, CCS F 77. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the functions, organization, and responsibilities for on-site emergency response in nuclear power plant accidents. This document applies to the determination of emergency response functions, organization, and responsibilities for nuclear power plant operators. Other nuclear facilities may refer to this document for implementation.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 17680.7 Nuclear Power Plant Emergency Preparedness and Response Guidelines - Part

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 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]

3.3 Corrective actions 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.

3.4 sitearea The area where a nuclear facility is located has defined boundaries and is under the effective control of the operating unit.

3.5 off-site All areas outside the main venue.

7 Functions and Characteristics of On-Site Emergency Facilities

GB/T 17680.8 Nuclear Power Plant Emergency Preparedness and Response Guidelines
Part