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

GB/T 17680.12-2025

Replacing GB/T 17680.12-2008

**Criteria for emergency preparedness and response for nuclear
power plants - Part 12: Planning, preparation, conduct and
evaluation of nuclear emergency exercises**

核电厂应急准备与响应准则 第12部分：核应急演习的策划、准备、实施与评估

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Table of Contents

1.Scope	1
2 Normative References	1
3.Terms and Definitions	1
4.Planning	2
6.Implementation of	11
16 Reference	18

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 12 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 17680.12-2025 is the Chinese national standard covering the nuclear emergency exercise - the objectives and the scenario built to test them, the controllers and evaluators,

the conduct on the day, and the evaluation and corrective actions, which is the only part that changes anything. Part 12 of the series. It replaces GB/T 17680.12-2008 and is already in force. It was issued on 5 October 2025 and has been in force since 5 October 2025, replacing GB/T 17680.12-2008. 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 sets forth the guidelines for the planning, preparation, implementation, and evaluation of nuclear power plant nuclear accident emergency drills (hereinafter referred to as "drills"). This document applies to drills conducted by the nuclear emergency response organization (hereinafter referred to as "on-site emergency response organization") of nuclear power plant operators. Other nuclear facilities may 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 exercise This was conducted to test the effectiveness of the emergency plan, the comprehensiveness of emergency preparedness, the adaptability of emergency response capabilities, and the coordination of emergency personnel. This is a practice activity that simulates emergency response.

3.2 Accident scenario The description of the events or accidents simulated in the exercise includes the sequence of events (accidents), state characteristics, and the evolution process over time.

3.3 Exercise scenario To organize and implement nuclear emergency drills and achieve the expected objectives, based on accident scenarios, the sequence of events (accidents) and their timing are analyzed. The process should be appropriately trimmed, compressed, or expanded, and the characteristics and process of the event (accident) should be described in detail, along with the corresponding response actions.

3.4 Players Personnel who assume designated emergency response roles within an emergency organization during the exercise.

3.5 controllers Personnel who supervise and guide the implementation of exercise scenarios.

3.6 evaluators Personnel who assess the implementation of the exercise.

3.7 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.

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