

ICS 27.120
CCS F 77



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

GB/T 17680.9-2025

Replacing GB/T 17680.9-2003

**Criteria for emergency preparedness and response for nuclear
power plants - Part 9: Maintaining on-site emergency response
capability**

核电厂应急准备与响应准则 第9部分：场内应急响应能力的保持

Issued on: October 5, 2025

Implemented on: October 5, 2025

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

1.Scope	1
2 Normative References	1
3.Terms and Definitions	1
4.General Requirements	2
5 Training	2
6.Exercise	3
7.Review and revision of emergency response plans and implementation procedures	5
8 Appendix C (Informative) Inspection of Emergency Facilities, Equipment, Systems and Materials	10

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 9 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 17680.9-2025 is the Chinese national standard covering keeping the capability alive between accidents - the staffing of the emergency roster and its availability at night and at weekends, the training and requalification, the equipment inventories and their testing, and the audits that find the gaps. Part 9 of the series. It replaces GB/T 17680.9-2003 and is already in force. It was issued on 5 October 2025 and has been in force since 5 October 2025, replacing GB/T 17680.9-2003. 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 requirements for maintaining on-site emergency response capabilities at nuclear power plants, including evaluation of training, drills, emergency plans, and implementation procedures. Requirements for review and revision, as well as the maintenance of emergency facilities, equipment, systems and materials, and the monitoring of the effectiveness of emergency response capabilities. This document applies to activities related to maintaining on-site emergency response capabilities at nuclear power plants. Similar activities at other nuclear facilities should refer to this document for implementation.

2 Normative references

This document has no normative references.

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 On-site All areas within the site.

3.2 off-site All areas outside the main venue.

3.3 emergency response Emergency actions and measures taken to control or mitigate the consequences of an accident that leads to an emergency.

3.4 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.

3.5 Individual exercise Exercises involving only specific emergency response activities or a series of emergency response functions within the nuclear emergency plan or emergency response procedures.

Note. The focus is on testing specific aspects and functions of one or a few nuclear

emergency response organizations.

3.6 An exercise conducted collaboratively by all or part of the departments or units of the on-site or off-site emergency response organization according to a predetermined exercise scenario, in order to test... To test and evaluate the comprehensive response capabilities of emergency organizations.

3.7 joint exercises On-site and off-site emergency response organizations, in order to improve emergency response capabilities, especially coordination and cooperation capabilities, should operate according to a unified accident scenario and mutual...