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

WS/T 636-2018

**Guidelines of medical emergency exercise for nuclear and
radiation accidents
(English Translation)**

Issued on: September 21, 2018

Implemented on: April 1, 2019

Issued by: National Health Commission

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Foreword

This standard is formulated in accordance with the Law of the People's Republic of China on Emergency Response and the Law of the People's Republic this standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard was proposed by the National Health Standards Committee Radiological Health Standards Committee.

This standard was drafted. China National Center for Disease Control and Prevention, Radiation Protection and Nuclear Safety Medical Institute, China Guangdong Nuclear Radiation Testing Center, Shenzhen City Occupational Disease Prevention and Control Institute, Jiangsu Provincial Center for Disease Control and Prevention, Peking University Third Hospital, Shanghai Pulmonary Hospital, Guangdong Provincial Occupational Disease Prevention and Treatment Institute.

1 Scope

This standard specifies the basic requirements and working procedures for nuclear and radiation accident medical emergency drills.

This standard applies to medical emergency drills for nuclear and radiation accidents.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated version applies to this document.

For undated references, the latest edition (including all amendments) applies to this document.

GBZ/T 171 nuclear accident site medical emergency planning and preparation WS/T 328 Radiation Accident Medical Emergency Plan WS/T 467 Nuclear and Radiation Accident Medical Response Procedure

3 Terms and definitions

The following terms and definitions apply to this document.

Nuclear accident

A state of severe deviation from operating conditions in a nuclear power plant or other nuclear facility. In this state, the release of radioactive material may or the control that has

been lost has been lost to an unacceptable level.

Radiation accident

Loss of personnel due to loss, theft, loss of control, or malfunction due to equipment failure or operational errors in radioisotopes and radiographs Frequently incident accidents.

Emergency

Some actions beyond the normal working procedures need to be taken immediately to avoid accidents or to mitigate the consequences of the consequences of the accident. Sometimes called Emergency. At the same time, it also refers to the immediate action taken beyond normal working procedures.

Emergency response

Implement actions designed to mitigate the consequences of emergencies for human health and safety, quality of life, property and the environment. It can also be restored the foundation for normal social and economic activities.

Medical emergency

Use scientific organization management and good medical treatment methods for various emergencies that may occur, plan, prepare, and have groups Weaving through a series of prevention and treatment activities.

Medical emergency plan Pre-defined action plans for rapid and effective medical response to emergencies that may occur.

Emergency exercise

To test the effectiveness of the contingency plan, the integrity of the emergency preparedness, the adaptability of the emergency response capability and the synergy of the emergency personnel A practice of simulating emergency response.

Walkthrough scenario A description of the sequence of scenarios envisaged and the expected action response to events in the incident sequence for organizing and conducting exercises. This kind the sequence of events describes the simulated events, accidents, and/or operating conditions of the emergency response.

Single drill

In order to maintain the ability of emergency response, there is a group of specific operational skills or the operation of an appropriate implementation procedure for the emergency.

Weaving training.

3.10

Desktop exercise table-top exercise Use interactive tools such as drawings, sandboxes, flowcharts, computers, videos, etc. to conduct interactive discussions or simulate emergency operations in emergency situations Walkthrough activities.

3.11

Comprehensive exercise in order to improve emergency response capability, verify contingency plans and procedures, and strengthen coordination and coordination of emergency organizations, all or part of the emergency response Emergency activities should be organized.

3.12

Joint exercise joint exercise on-site and off-site emergency organizations, in order to improve emergency response capabilities, especially coordination and coordination capabilities, according to a unified exercise scenario, joint organization Emergency activities carried out by all or part of the emergency organization.

3.13

Exercise evaluation

Focusing on the objectives and requirements of the exercise, objectively evaluating the performance of the participants, the preparation of the exercise activities, and the organization and implementation process, and writing exercises the process of evaluating the report.

3.14

Trained players

Refers to those who are placed in a simulation scenario and act in accordance with their respective responsibilities and in accordance with the functions that should be performed in the event of a real event.

They are the main body of the implementation of the exercise, but also the people who receive the practice tasks and practice the corresponding emergency functions and roles.

3.15

Simulator simulators Divided into two categories, in the functional drill, refers to the personnel who play and replace some emergency response agencies and service departments during the drill;

In the all-round exercise, the person who simulates the victim of the incident.

3.16

Controller controllers Guide and control the personnel of the emergency drill process by issuing control messages and instructions based on the exercise plan and site conditions.