

## Office of Federal and State Materials and Environmental Management Programs

Safety and Security in the Beneficial Applications of Nuclear Materials

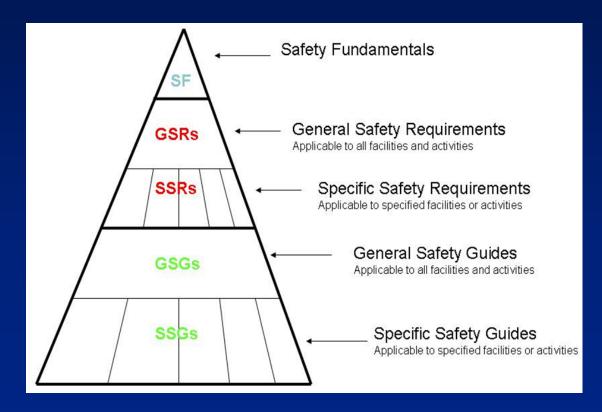
# IAEA DS457 Preparedness and Response for a Nuclear or Radiological Emergency

Interagency Steering Committee on Radiation Standards
September 18, 2013



## Structure of IAEA Safety Standards

- Fundamentals = Objectives
- Requirements = "Shall statements"
- Guides = "Should statements"





## Structure of IAEA Safety Standards

Safety Fundamentals Fundamental Safety Principles

#### **General Safety Requirements**

Part 1. Governmental, Legal and Regulatory Framework for Safety

Part 2. Leadership and Management for Safety

Part 3. Radiation Protection and the Safety of Radiation Sources

Part 4. Safety Assessment for Facilities and Activities

Part 5. Predisposal Management of Radioactive Waste

Part 6. Decommissioning and Termination of Activities

Part 7. Emergency Preparedness and Response

#### **Specific Safety Requirements**

1. Site Evaluation for Nuclear Installations

2. Safety of Nuclear Power Plants

2.1. Design and Construction2.2. Commissioning and Operation

3. Safety of Research Reactors

4. Safety of Nuclear Fuel Cycle Facilities

5. Safety of Radioactive Waste Disposal Facilities

6. Safe Transport of Radioactive Material

**Collection of Safety Guides** 



## **Applicability**

- IAEA Safety Standards are points of reference
  - Binding for IAEA activities
  - Binding for those countries that receive IAEA assistance
  - Not binding in U.S.
  - Any application would require Administrative Procedure
     Act notice and comment



#### Background

- Draft is revision of GS-R-2, published by IAEA in 2002
- Takes into account:
  - Experience since 2002, including Fukushima Daiichi
  - Feedback from Member States
  - Experience of relevant international organizations
  - ICRP recommendations

http://www.ns.iaea.org/downloads/standards/drafts/ds457.pdf



#### Contents

- Introduction
- Interpretation
- Goals of Emergency Preparedness and Response
- General Requirements
- Functional Requirements
- Requirements for Infrastructure
- Appendices



#### Requirements

- 24 Overarching Requirements
  - 3 General Overarching Requirements
  - 14 Functional Overarching Requirements
  - 7 Infrastructure Overarching Requirements
- Supporting Requirements in paragraphs under each overarching requirement



#### **Current Status**

#### Member State Review

- U.S., and other IAEA member states, invited to provide national views and comments on the draft.
- Member State Comments due by 20 November 2013.
- U.S. interagency currently reviewing. A consolidated set of comments will be provided to IAEA.
- All views will be considered in the development of U.S. position, but this not considered a formal public comment.
- IAEA will take all Member State comments, and prepare a revision which will be approved by the Safety Committees, the Commission on Safety Standards, and the Board of Governors.



## Questions?



