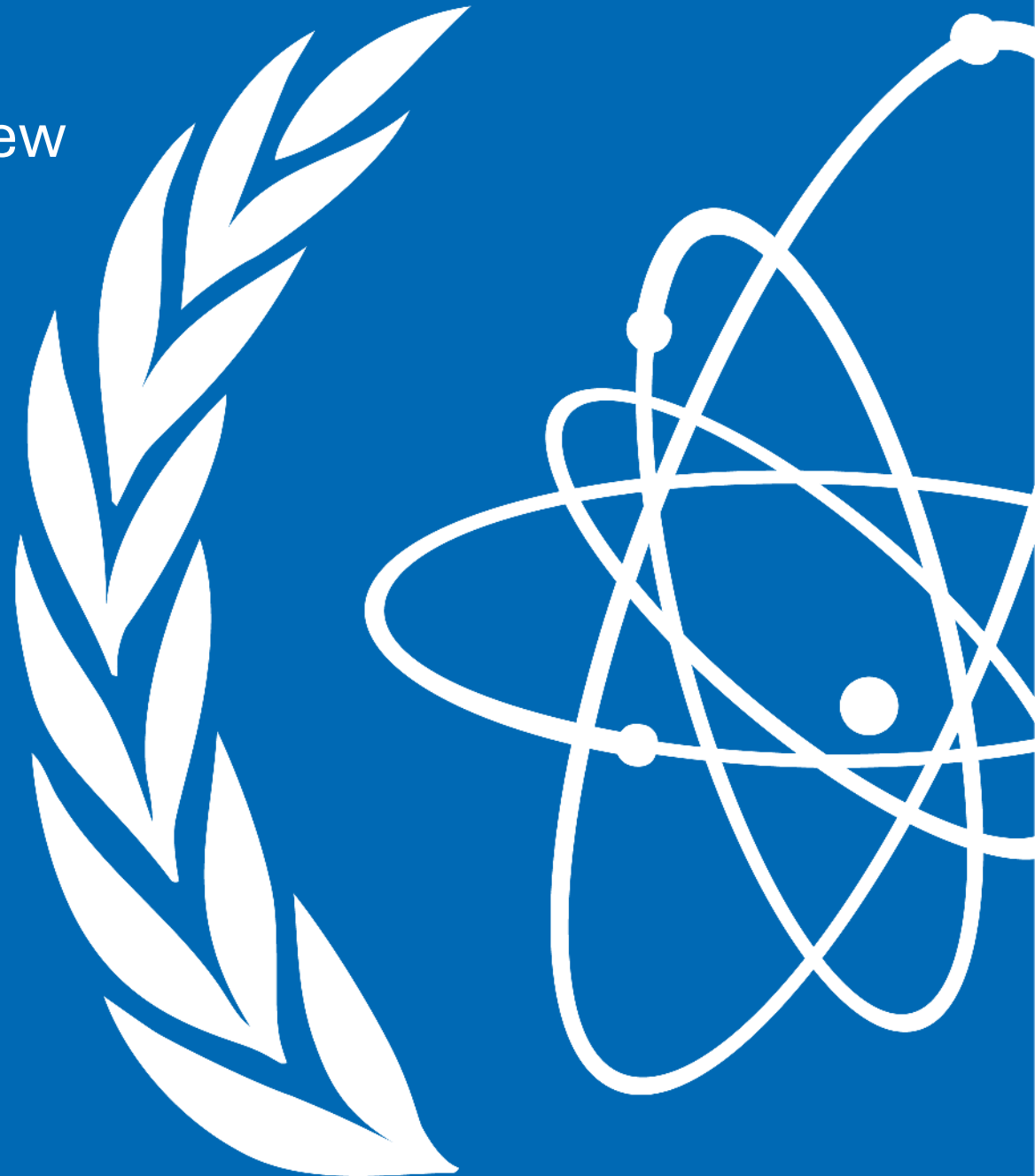


Training Course on the IAEA Safety Standards Overview

Governmental, Legal and Regulatory Framework for Safety – GSR Part 1 (Rev. 1)

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Section, IAEA

August 2026, Tokai University, Tokyo, Japan





BACKGROUND

Fundamental Safety Objective

Fundamental Safety Objective: “to protect people and the environment from harmful effects of ionizing radiation.”

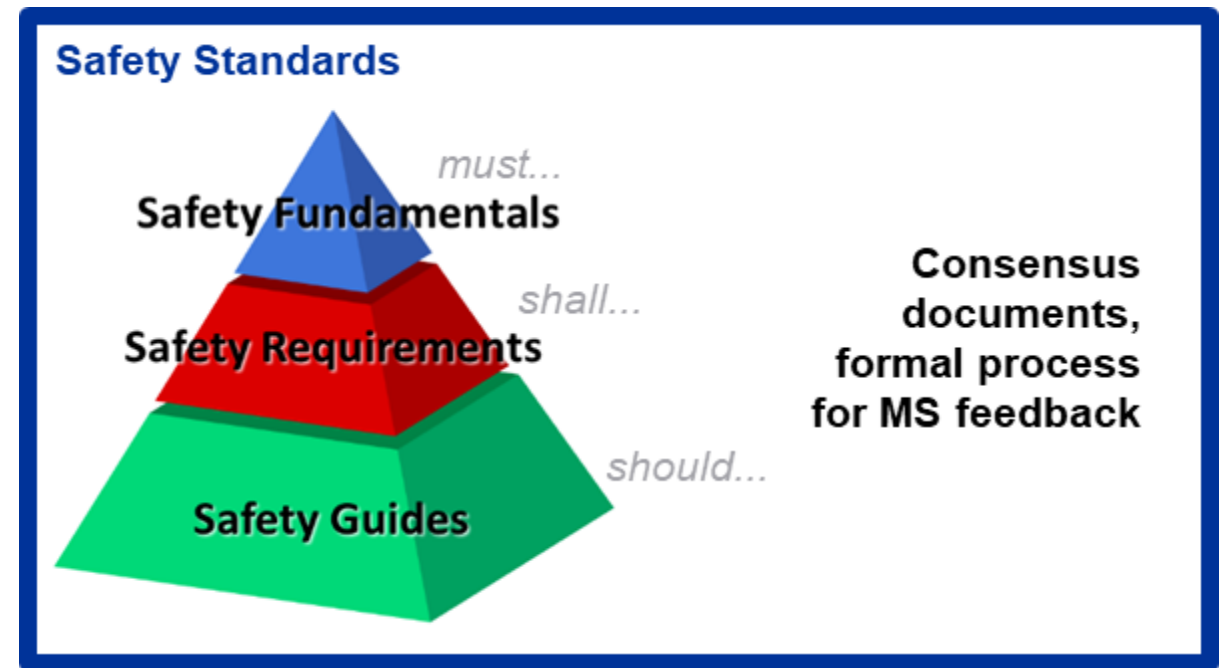
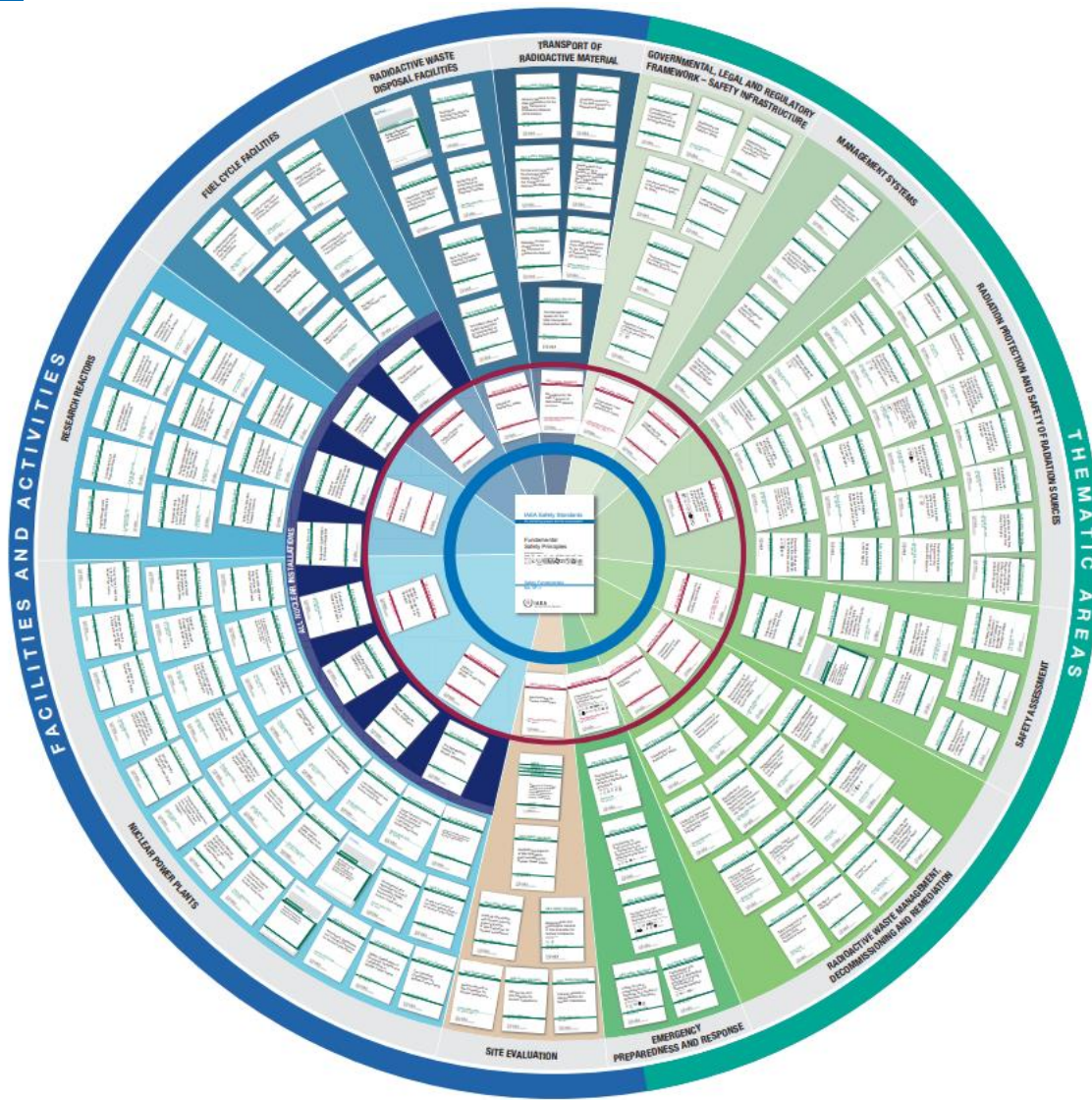
The Statute of IAEA

Article III Functions

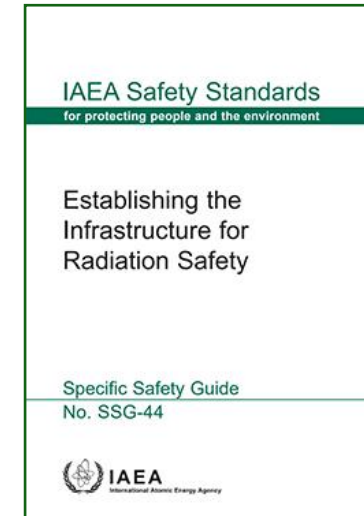
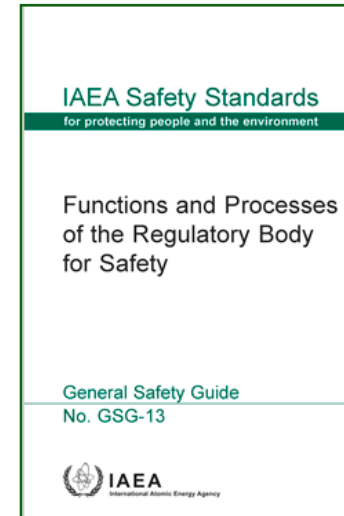
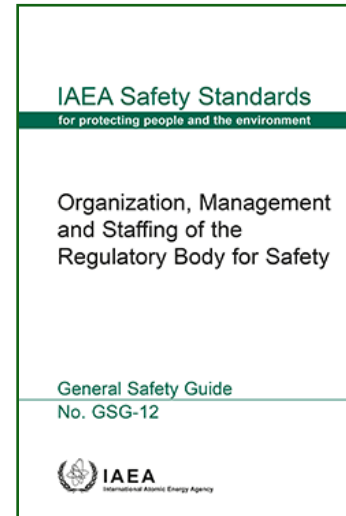
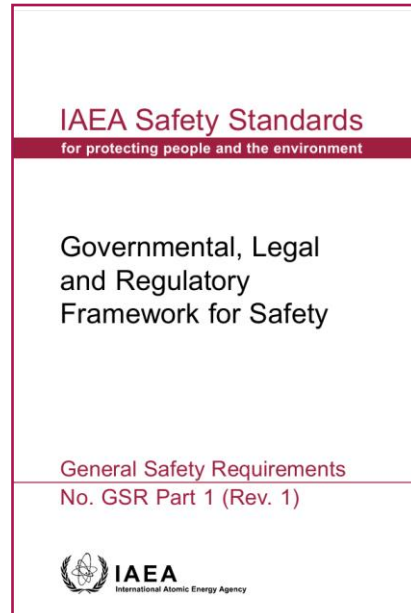
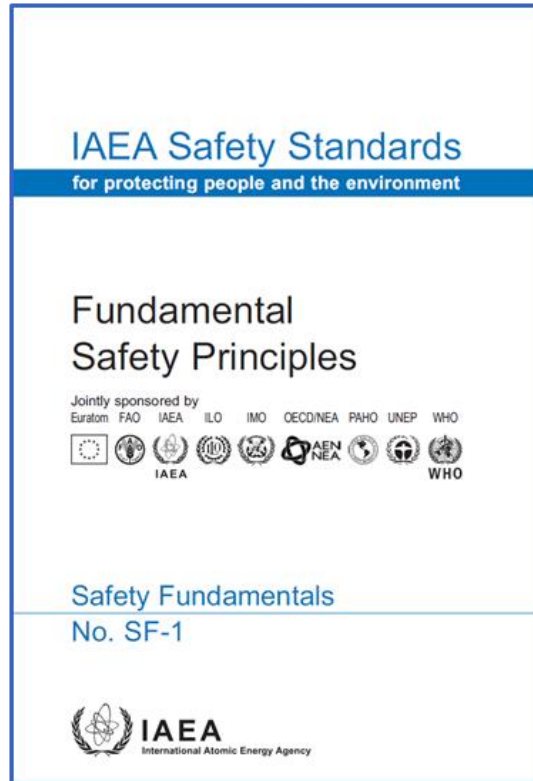
A. The Agency is authorized

- 6. To establish or adopt, in consultation and, where appropriate, in collaboration with the competent organs of the United Nations and with the specialized agencies concerned, standards of safety for protection of health and minimization of danger to life and property (including such standards for labour conditions), and to provide for the application of these standards to its own operations as well as to the operations making use of materials, services, equipment, facilities, and information made available by the Agency or at its request or under its control or supervision; and to provide for the application of these standards, at the request of the parties, to operations under any bilateral or multilateral arrangement, or, at the request of a State, to any of that State's activities in the field of atomic energy;

IAEA Safety Standards



IAEA Safety Standards (Contd..)



To access IAEA Safety Standards Series, please visit [here](#)



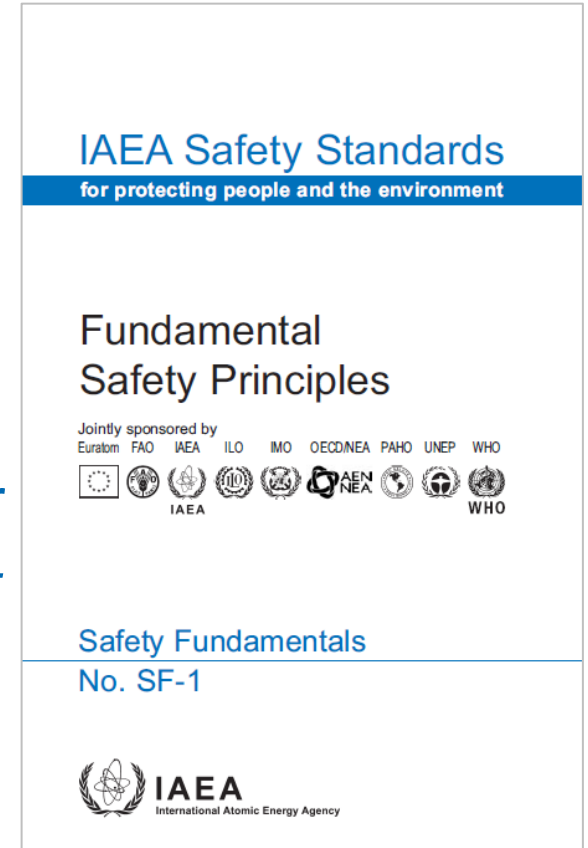


GSR Part 1: Governmental, Legal and Regulatory Framework for Safety

Safety Principle 2

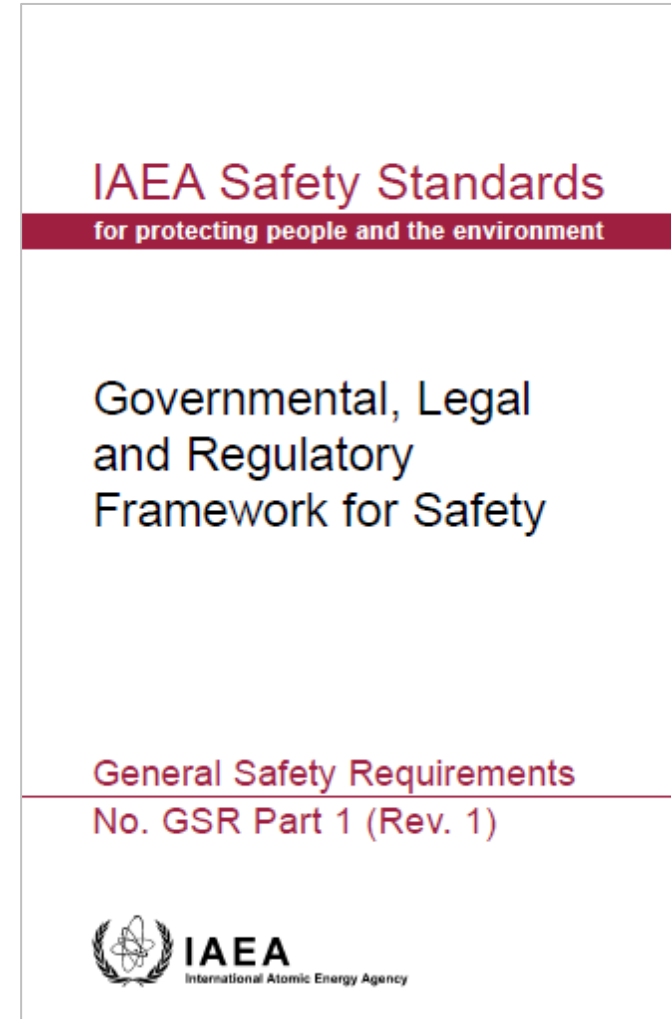
Role of government

- An effective legal and governmental framework for safety, including an independent regulatory body, must be established and sustained.*



Objective

- To establish requirements in respect of the **governmental, legal and regulatory framework for safety**.
- The **framework for safety** is to be **established for the entire range of facilities and activities**, from the use of a limited number of radiation sources to a nuclear power programme.



Structure of GSR Part 1 (Rev. 1)

1

**Responsibilities and
Functions of the
Government**

13 overarching requirements

2

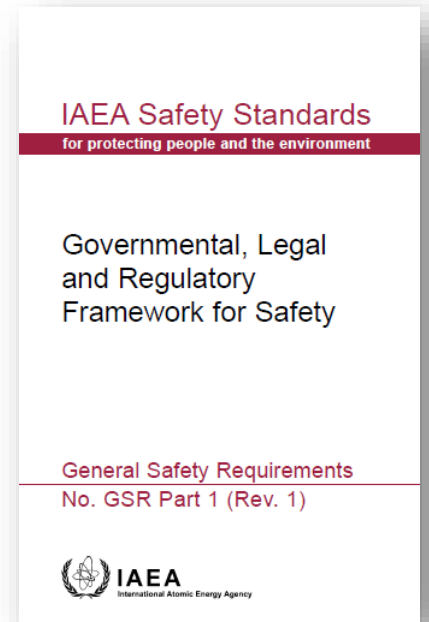
**The Global Safety
Regime**

2 overarching requirements

3

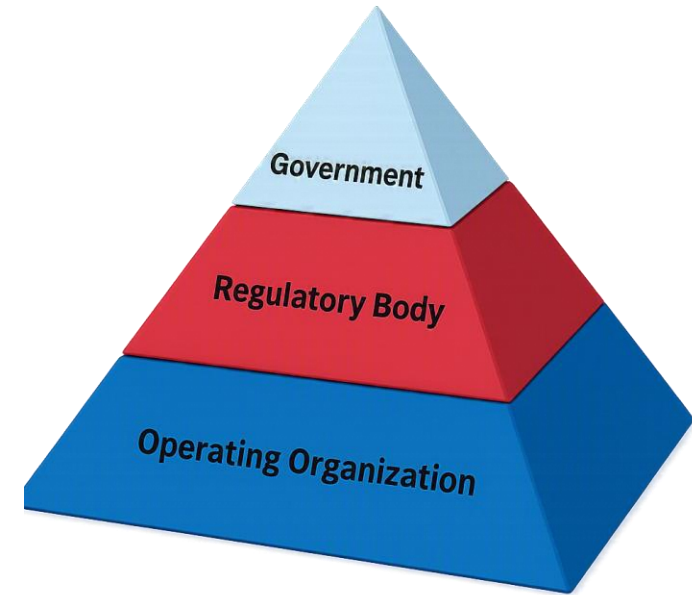
**Responsibilities and
Functions of the
Regulatory body**

21 overarching requirements



Applicability of the Safety Requirements

- **Government**
 - Governmental and legal framework for safety
- **Regulatory Body**
 - Verification and assessment of safety compliance
- **Operating Organizations**
 - Prime responsibility for safety





1. RESPONSIBILITIES AND FUNCTIONS OF THE GOVERNMENT

National Policy and Strategy for Safety

- Government shall **establish a national policy and strategy for safety** to achieve the fundamental safety objective and apply the associated principles (Req. 1)

LONG TERM COMMITMENT TO SAFETY

- The strategy sets out the mechanisms for implementing the policy
- Established by means of different instruments, statutes and laws in due consideration of, inter alia: Fundamentals, Binding International Instruments, Needed Resources
- National policy and strategy for safety shall be implemented in accordance with a graded approach

Establishment of a Framework for Safety

The government promulgates laws and statutes establishing (Req. 2)

- **Fundamental safety principles**
- **Scope of facilities and activities** covered by the framework
- **An independent regulatory body** (Req. 3 and 4)
- **Prime responsibility for safety** (Req. 5 and 6)
- **Coordination among authorities** with responsibility for safety (Req. 7)

Specific Responsibilities of the Government

Emergency Preparedness and Response

- Government provisions for EPR (Req.8)
 - Define **responsibilities of authorized parties**
 - Establishes a **nationwide emergency system** to protect the public in emergency within or outside the territories and jurisdiction of the State
 - Ensure **effective public communication** on EPR measures
 - Enables **timely and effective decision-making** during emergencies
 - Provides **training, drills and exercises** to maintain preparedness



Incident and Emergency Centre at IAEA

Specific Responsibilities of the Government (contd..)

Unregulated Sources and Legacy Contaminations

Government establishes an effective system to implement protective actions addressing radiation risks from **unregulated sources** and **legacy contamination**, in line with the principles of justification and optimization (Req. 9)



Assembly of radium luminescent paint alarm clocks

Specific Responsibilities of the Government (contd..)

Decommissioning and Safe Disposal of Radioactive Waste and Spent Fuel

- Provisions for safe **decommissioning** of facilities, safe management and disposal of **radioactive waste** and **spent fuel** (strategy, finance, control as long as necessary...) (Req. 10)

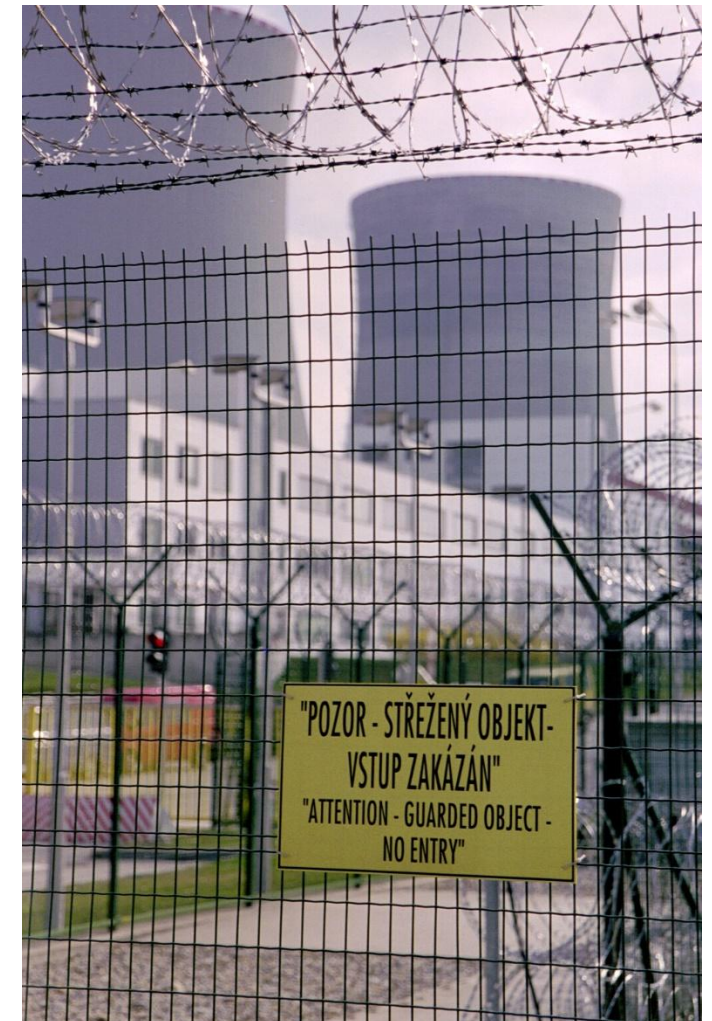


Specific Responsibilities of the Government (contd..)

Interfaces of Safety with Nuclear security and Safeguard

Government ensures adequate arrangements are established for **managing interfaces** (Req. 12)

- **Safety measures and nuclear security measures** shall be designed and implemented in an **integrated manner** so that they do not compromise each other



Specific Responsibilities of the Government (contd..)

National Competence and Technical Services

- **Government makes provision for building and maintaining competence (Req. 11)**
 - Recognizing as an **essential element of national policy and strategy**
 - Defines **required levels of competence**
 - Ensures **competence of the regulatory body and support organizations**
- Government makes provisions, where necessary, for **technical services**, such as services for personal dosimetry, environmental monitoring and the calibration of equipment (Req. 13)



2. RESPONSIBILITIES AND FUNCTIONS OF THE REGULATORY BODY

Specific Responsibilities of the Regulatory Body

- **Organizational structure and independence**
- **Functions of the regulatory body**
- **Coordination, stability and consistency of regulatory control**

Organizational Structure and Independence

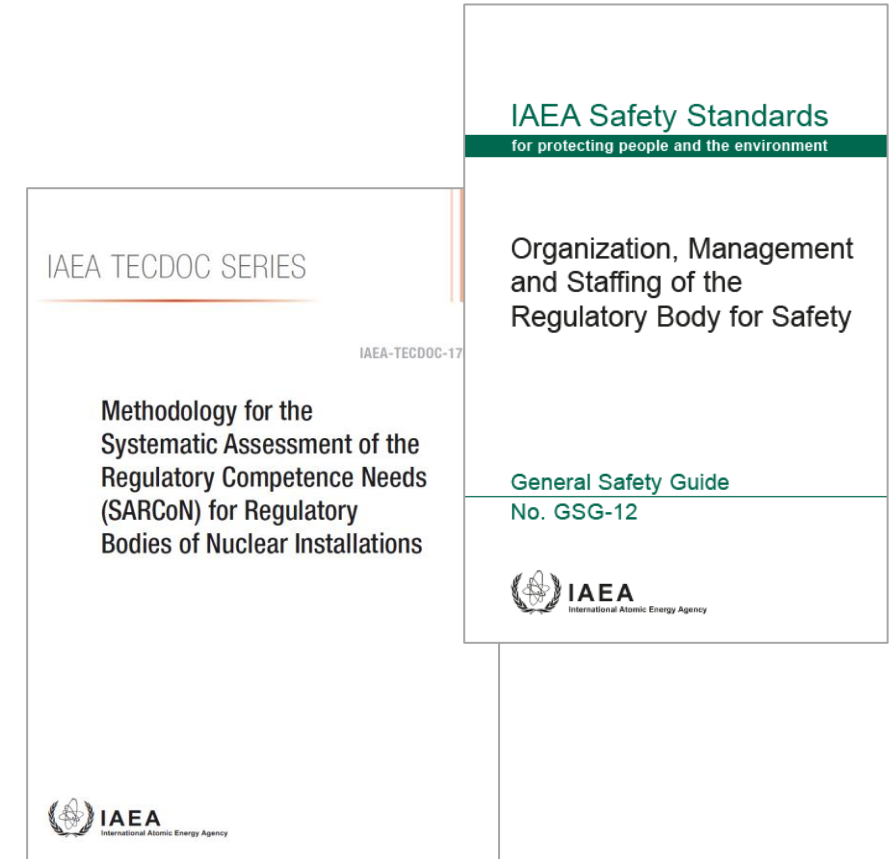
Independent Regulatory Body

- Government shall establish and maintain an **effectively independent regulatory body** (Req. 4) with the **legal authority** and **necessary competence** and **resources** to fulfil its statutory obligation (Req. 3)
- Regulatory body shall perform its functions in a manner that **does not compromise its effective independence** (Req. 17)
 - Recruitment of staff from authorized parties
 - Professionalism and competence of staff
 - Resolution of conflict of interests
 - Exercising regulatory role and authority irrespective of the possible costs to the authorized parties

Organizational Structure and Independence (Contd..)

Management, Staffing and Competence

- Structures its organization and manage its resources using a graded approach (Req. 16)
- Employs enough qualified and competent staff (Req.18)
- As necessary, obtains technical or other expert professional advice or services to support its functions, without relinquishing its responsibilities (Req. 20)
- Establish, implement, and assess and improve a management system aligned with its safety goals and contributes to their achievement (Req. 19)



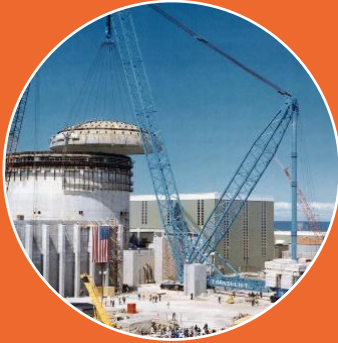
Functions of the Regulatory Body

Regulatory Core Functions



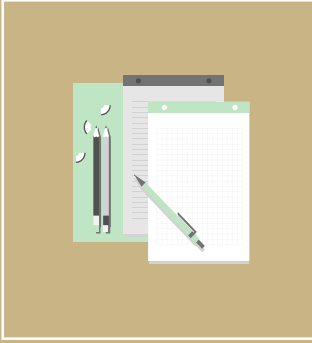
Regulations & Guides

- Establish or adopt, Req. 32
- Review, Req. 33
- Promote, Req. 34)



Authorization, Req. 23, 24

- Prerequisite
- Demonstration of Safety



Review & Assessment, Req. 25, 26

- Safety-related information (e.g. applications)
- Graded approach



Inspections, Req. 27 – 29

- Compliance
- Planned or not
- Announced or not
- Graded approach



Enforcement, Req. 30, 31

- Policy
- Corrective actions
- Graded approach

REGULATORY CORE FUNCTIONS

Functions of the Regulatory Body (Contd..)

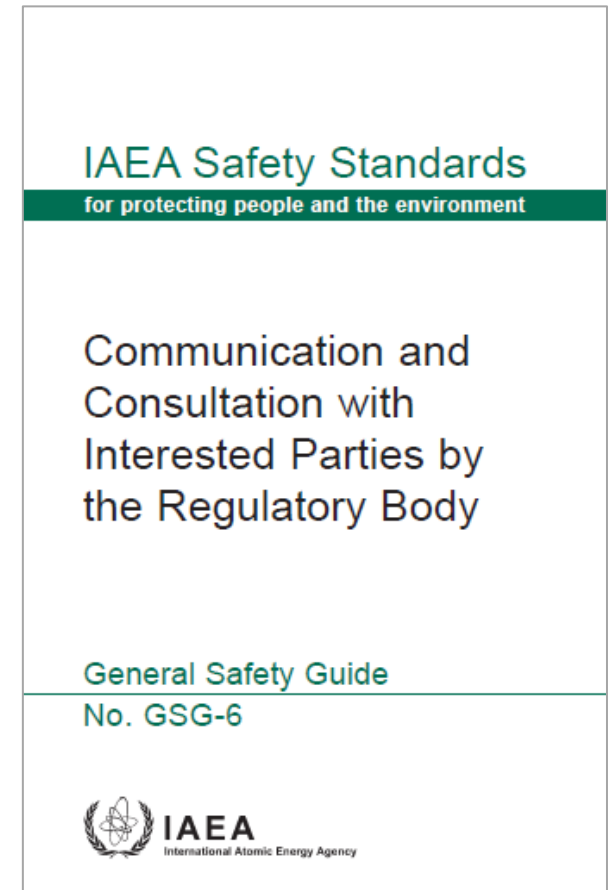
Safety Related Records

- Ensures **establishment, maintenance and retrieval of safety records**
- Maintains **key registers and inventories** (sources, doses, waste spent fuel)
- Requires **authorized parties to keep complete operational records**
- Use records to support **safety demonstration, regulatory review and enforcement**
- Ensure records are **preserved for long term safety** (including decommissioning/closure)

Functions of the Regulatory Body (Contd..)

Communication and Consultation with Interested Parties

- Promotes **transparent communication and consultation**
- Shares **decisions, risks, and incident information**
- Ensures **stakeholder engagement and public participation**
- Requires **authorized parties to inform the public** (graded approach)





Coordination, Stability and Consistency of Regulatory Control

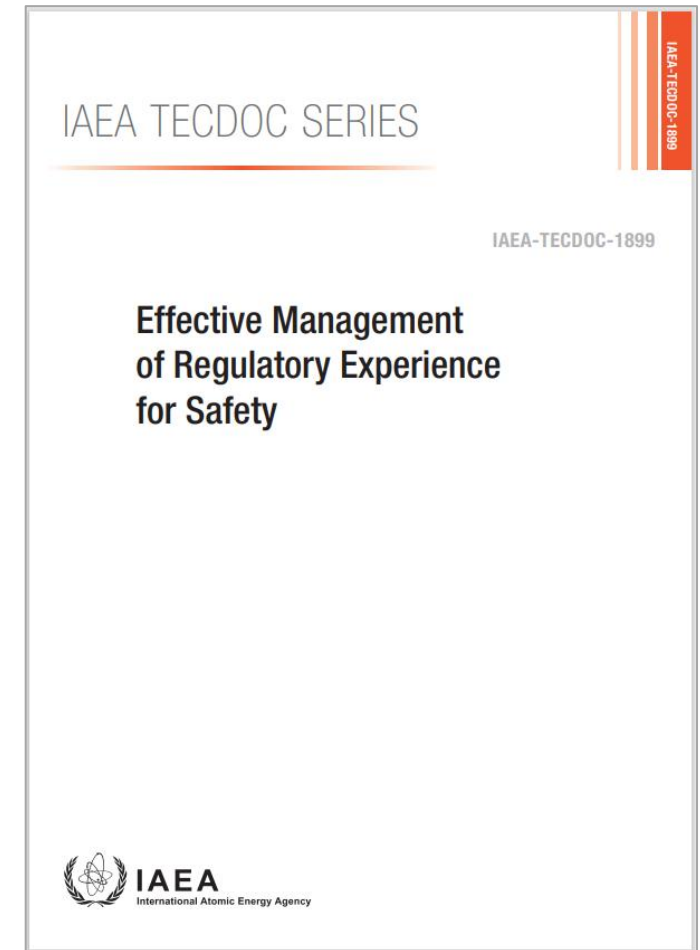
- **Liaison with advisory bodies and support organizations (Req. 20).**
- **Liaison between the regulatory body and authorized parties (Req. 21)**
- **Stability and consistency of regulatory control (Req. 22)**



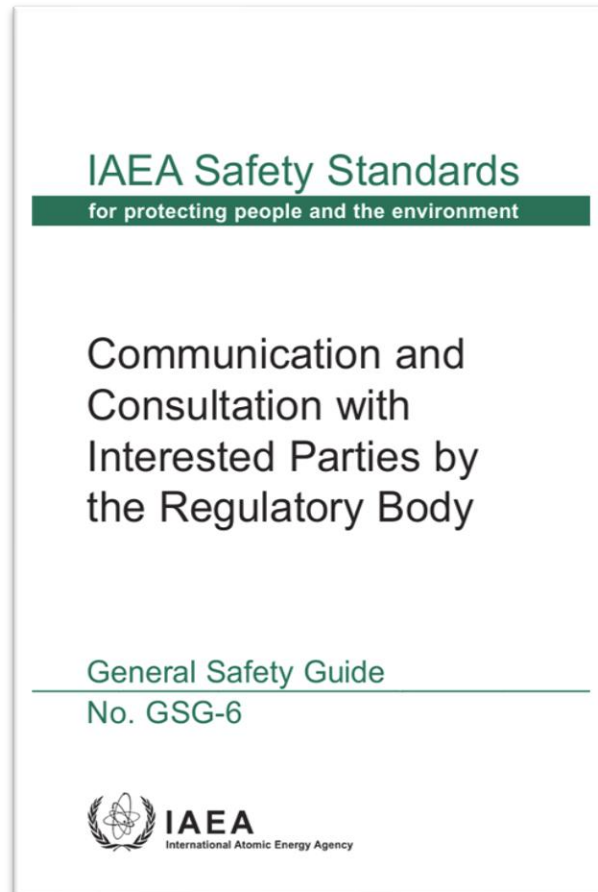
3. GLOBAL SAFETY REGIME

Global Nuclear Safety Regime: Framework and Cooperation

- The **Government fulfils its international obligations**, (Req. 14)
 - Participates in **international arrangements**, including **peer reviews**
 - Promote **international cooperation and assistance**
- The **regulatory body ensures use of operating experience**(Req. 15)
 - Identifies **lessons from operating and regulatory experience**, including international experience
 - **Disseminates lessons learned** to authorized parties and other stakeholders

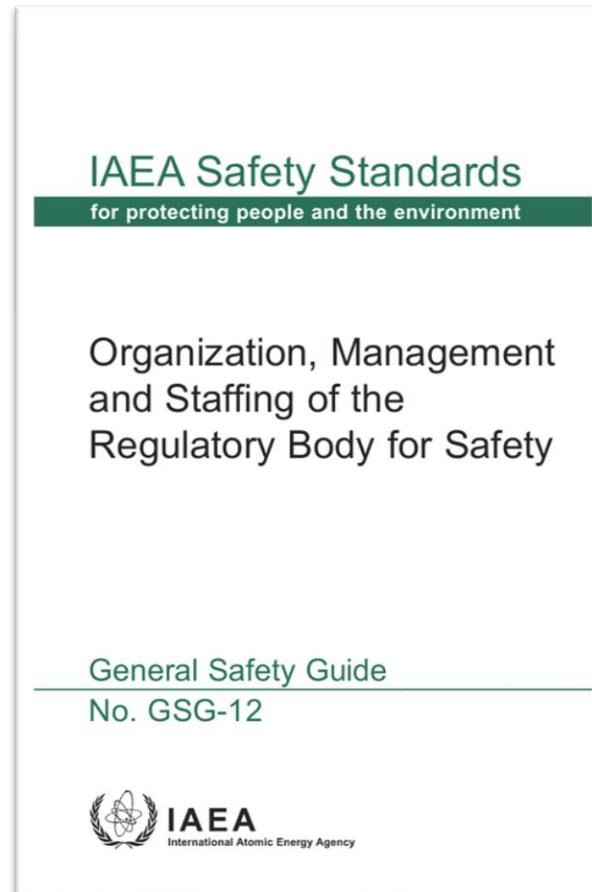


Supporting Safety Guides



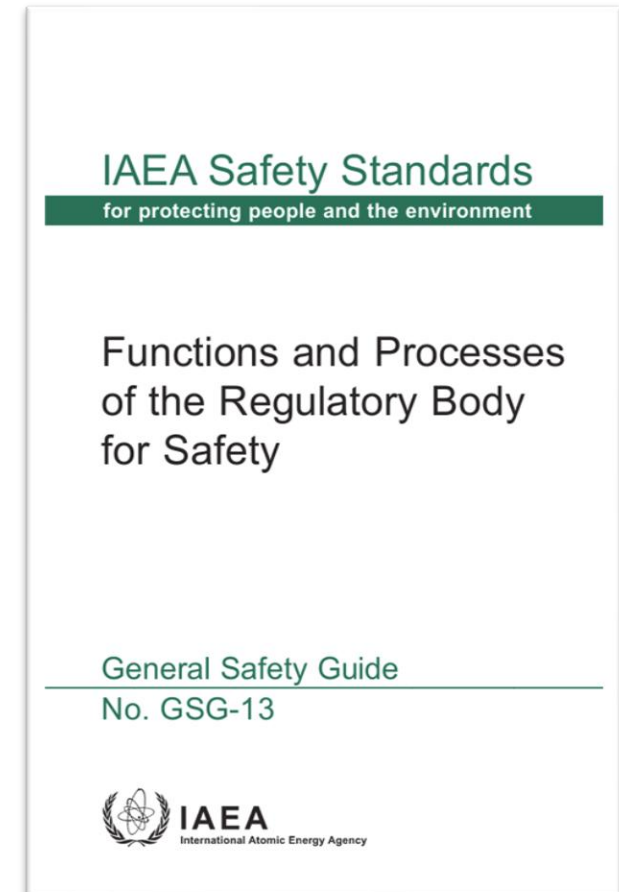
GSG-6

Communication & consultation



GSG-12

Organization & staffing



GSG-13

Functions & processes

Conclusion

National Policy and Strategy for Safety

Governmental and Legal Framework for Safety

- Legal basis
- Prime responsibilities for safety
- Emergency preparedness and response (EPR)
- Decommissioning, management of waste and spent fuel
- Competence for safety
- Technical Services
- Interface Safety/Security/Safeguards

Regulatory framework

- Regulatory Body
- Coordination of different Authorities
- Regulatory Functions
- Records
- Communication, etc.

Global Safety Regime

Thank you

