

# Safeguards Milestones

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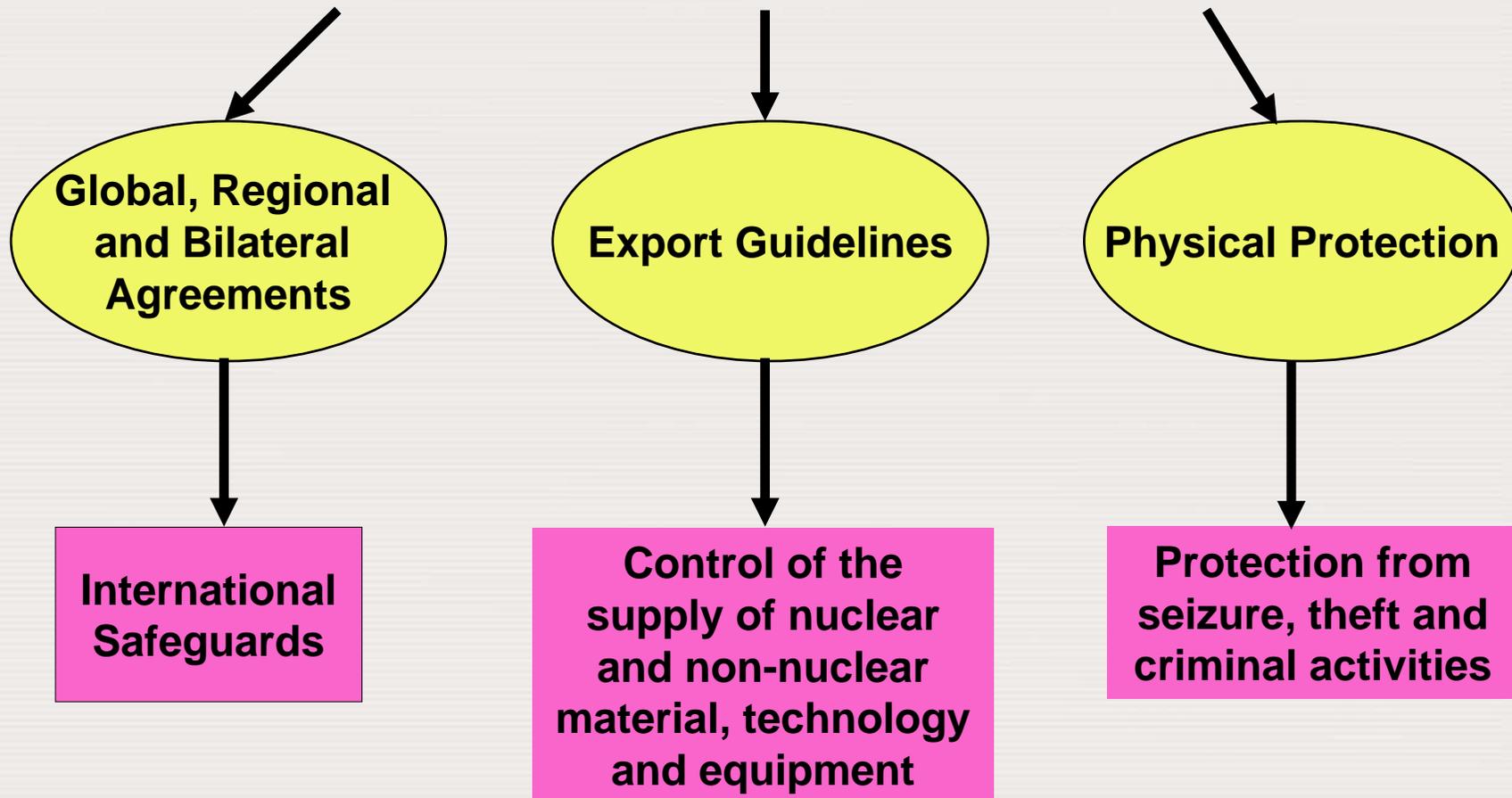
Division of Operations A

Department of Safeguards



*Atoms for Peace: The First Half Century*  
1957–2007

# The Nuclear Non-Proliferation Regime



# The NPT

## Safeguards Undertaking

**Each Non-Nuclear-Weapon State (NNWS) shall conclude safeguards agreement with IAEA on all nuclear material in the State within 18 months of becoming party (Art. III.1 and 4)**

## Fundamental requirement

**Comprehensive Safeguards Agreement (CSA or “full scope”) “in accordance with the Statute of the IAEA and the Agency’s safeguards system”**

# CSA – Basic Obligations of the State

- Establish a **State System of Accounting for and Control** of nuclear material (**SSAC**)
- Provide **information** to the Agency
- Facilitate **access** by Agency
- **Cooperate** with the Agency

# SSAC

- **Term “SSAC” has traditionally been used to denote:**
  - State authority, office or person designated as providing, on behalf of the State or several States, the formal technical interface for safeguards implementation with the Agency and facility operators, and
  - System for nuclear material accounting and control procedures laid down by the State Authority and implemented by the facility operator

# Milestone 1 – Ready to Make a Knowledgeable Commitment to a Nuclear Programme

- **State recognition of:**
  - CSA (based on INFCIRC/153) in force
  - Establishment of an SSAC
  - If no nuclear facilities, an SQP can be concluded
  - Many States have an AP (based on INFCIRC/540) in force
- **State may need to prepare safeguards specific legislation, rules, regulations, and procedures**

# Milestone 2 – Ready to Invite Bids

- **National legislation and regulation in place for nuclear facilities, locations, activities and materials to which safeguards will be applied and**
- **Means to effectively implement them prior to requesting a bid for the first NPP**
  - SSAC established
  - Early provision of design information to be provided to the Agency

# Milestone 3 – Ready to Commission and Operate the First NPP

- **Safeguards measures being applied to all nuclear materials, and as appropriate, to nuclear relevant activities and facilities, under the control or jurisdiction of the State**
- **Other elements of the safeguards infrastructure are in place**
  - SSAC and facility operator trained and appropriately equipped prior to the receipt of nuclear material
  - Information regarding fuel cycle and all relevant nuclear material subject to safeguards instruments provided to the Agency

# Safeguards Milestone Summary

- **Safeguards is an essential component of the nuclear non-proliferation regime**
- **Timely and effective implementation of safeguards can help provide credible assurances of the **peaceful nature** of the State's developing nuclear programme**