

Table 2 continued

Some Key Definitions

- Providing for inspector access and co-ordination arrangements as necessary to enable the IAEA to carry out its verification activities.
- Providing for independent verification by the SSAC of facility operators' safeguards performance, as appropriate.

At the IAEA Level:

- Independently verifying nuclear material quantities and locations, using inspection methods such as examination of accounting records and comparison with accounting reports, item counting and identification, independent measurements, verifying the operation and calibration of instruments and other measurement and control equipment, verifying information on possible causes of MUF, of shipper/receiver differences and uncertainties in the book inventory, and carrying out other activities as provided for in the safeguards agreement.
- Determining the effectiveness of the SSAC.
- Providing statements on the IAEA verification activities to the State.
- Providing statements for the annual safeguards implementation report (SIR) for the Board of Governors on the effectiveness of IAEA safeguards.

Containment. Physical barriers, e.g., walls, transport flasks, containers, vessels, etc., which in some way physically restrict or control the movement of, or access to nuclear material, to information related to the quantities or locations of nuclear material, and to IAEA surveillance devices.

Surveillance. The collection of information through devices and/or inspector observation in order to detect undeclared movements of nuclear material, tampering with containment, falsification of information related to locations and quantities of nuclear material, and tampering with IAEA safeguards devices.

Inspection. A set of on-site IAEA activities to verify that the way in which nuclear material, equipment or facilities subject to safeguards are used complies with the provisions of the agreement. The activities may include the review of design information to ensure that safeguards can be effectively applied, the examination of records of nuclear material and comparison with the corresponding statements by the State to the IAEA, inventory and flow verification, the installation and servicing of containment and surveillance devices.

Source: IAEA Safeguards Glossary, 1980, IAEA/SG/INF/1, pp. 28-29, p. 50 and p. 55.