



IMPLEMENTATION BY THE IAEA OF THE ADDITIONAL PROTOCOL
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With the completion of the IAEA development programme for increasing the effectiveness and improving the efficiency of the safeguards system (which was commonly known as programme 93+2), efforts have turned to implementation of the results in a Strengthened Safeguards System(SSS). The IAEA goal remains to achieve the optimum effectiveness and efficiency by meshing fully in an integral whole the traditional measures of nuclear material accountancy at declared nuclear facilities with the new measures of the additional protocol(INFCIRC/540) and those other measures approved by the IAEA board of Governors in 1992 and 1995.

For the purpose of SSS implementation, the concept of the Integrated Safeguards (IS) has been defined as “the optimum combination of all safeguards measures available to the Agency, including those from additional Protocol(INFCIRC/540), which achieves the maximum effectiveness and efficiency within the available resources in fulfilling the Agency’s right and obligation in Article 2 of INFCIRC/153”.

The safeguards measures available to the Agency within the context of INFCIRC/153 are nuclear material accountancy, measurement of nuclear material during inspections, containment and surveillance(C/S), remote monitoring of unattended C/S and/or NDA, design information examination and verification over the life cycle of the facility, environmental sampling and closer co-operation with SSACs/RSACs. INFCIRC/540 adds additional measures, namely wide area environmental sampling and complimentary and managed access.

Integrated safeguards (IS) embraces:

- a) Confirmation of declared nuclear material and activities, pursuant to both INFCIRC/153 and INFCIRC/540, and
- b) Confirmation of the absence of undeclared nuclear material and activities, both at declared sites and elsewhere .

Additional protocol (INFCIRC/540) implementation efforts, at the present time, are being conducted in two mutually reinforcing tracks. The first one is the State-by-State implementation Plan managed by the cognisant operations division with extensive support by senior staff from System studies Section to answer immediate implementation requests, while the second track is oriented towards generic implementation issues of the Integrated Safeguards(IS) when applied to the existing fuel cycles under Agency Safeguards.