

6. SECURITY OF RADIOGRAPHY DEVICES AND SOURCES

The employer of the radiography organisation is responsible for the safety and security of the source(s) supplied to him. The employer shall ensure that appropriate measures for security level B (to minimize the likelihood of unauthorized removal of a source) [Security of Radioactive Sources in Radiation Facilities', Safety Guide No. AERB/RF-RS/SG-1, (2011)] are implemented for the sources in his possession at each site all the time. The security measures shall include the following salient features:

- (i) General administrative measures
- (ii) Weekly accounting
- (iii) Deterrence provided by : Two measures (one technical measure and one administrative measure) to deter/discourage the adversary/unauthorised person from committing the malicious act
- (iv) Access control to source location allowing timely detection of unauthorised access
- (v) Delay mechanism to interrupt unauthorised removal of radiography source(s), generally through barriers or other physical means
- (vi) Emergency contact numbers of plant security personnel, contract awarding agency, nearby police station, etc. shall be displayed in the radiation installation
- (vii) Background checks of personnel involved in handling radiation source(s)
- (viii) Security plan shall be prepared and submitted to the Competent Authority
- (ix) Provision for upgradation of security for increased threat
- (x) Timely detection shall be provided by local alarm
- (xi) Timely response to an alarm
- (xii) Lodging of FIR to the concerned police authorities in case of theft / misplacement of radiography source

The employer of the radiography organisation is responsible for security during transport of the source(s) supplied to him. The employer shall ensure that appropriate measures for security level 3 – enhanced security measures [Security of Radioactive Material during Transport', Safety Guide No. AERB/NRF-TS/SG-10, (2008)] are implemented for the source(s) in his possession during transport.

The responsibilities of the various agencies involved in ensuring the security of the source(s) shall be clearly defined in the security plan prepared by the licensee and the concerned agencies and the individuals shall be duly informed thereof.