



SPECIFICATION

Gamma Spectrometer for Indonesia

1. Scope

- 1.1. This Specification describes the requirements for a gamma spectrometer system ('the System').
- 1.2. The System shall be installed in liaison with the Counterpart: National Nuclear Energy Agency of Indonesia.
- 1.3. The Counterpart has been appointed by the receiving government to receive this equipment, under IAEA Technical Cooperation project INS6020.
- 1.4. The System must be suitable for education and training and for radioactive waste management.

2. Applicable Documents

The following generic Specification shall be applicable, except where modified by this Specification:

- 2.1. IAEA Generic Specification HPGE0001.

3. Specific Requirements

- 3.1. The endcap shall be low-background with diameter equal to approximately 70 mm (2.75") for fitting of Marinelli geometries with this inner diameter;
- 3.2. The relative efficiency of the detector shall be 20 % or higher; and
- 3.3. Lead shielding shall be offered as an optional item.