

ANNEX I

LIST OF ACTIVITIES REFERRED TO IN ARTICLE 2.a.(iv) OF THE PROTOCOL

- (i) The manufacture of *centrifuge rotor tubes* or the assembly of *gas centrifuges*.

Centrifuge rotor tubes means thin-walled cylinders as described in entry 5.1.1(b) of Annex II.

Gas centrifuges means centrifuges as described in the Introductory Note to entry 5.1 of Annex II.

- (ii) The manufacture of *diffusion barriers*.

Diffusion barriers means thin, porous filters as described in entry 5.3.1(a) of Annex II.

- (iii) The manufacture or assembly of *laser-based systems*.

Laser-based systems means systems incorporating those items as described in entry 5.7 of Annex II.

- (iv) The manufacture or assembly of *electromagnetic isotope separators*.

Electromagnetic isotope separators means those items referred to in entry 5.9.1 of Annex II containing ion sources as described in 5.9.1(a) of Annex II.

- (v) The manufacture or assembly of *columns* or *extraction equipment*.

Columns or extraction equipment means those items as described in entries 5.6.1, 5.6.2, 5.6.3, 5.6.5, 5.6.6, 5.6.7 and 5.6.8 of Annex II.

- (vi) The manufacture of *aerodynamic separation nozzles* or *vortex tubes*.

Aerodynamic separation nozzles or *vortex tubes* means separation nozzles and vortex tubes as described respectively in entries 5.5.1 and 5.5.2 of Annex II.

- (vii) The manufacture or assembly of *uranium plasma generation systems*.

Uranium plasma generation systems means systems for the generation of uranium plasma as described in entry 5.8.3 of Annex II.

- (viii) The manufacture of *zirconium tubes*.

Zirconium tubes means tubes as described in entry 1.6 of Annex II.

- (ix) The manufacture or upgrading of *heavy water or deuterium*.

Heavy water or deuterium means deuterium, heavy water (deuterium oxide) and any other deuterium compound in which the ratio of deuterium to hydrogen atoms exceeds 1:5000.

- (x) The manufacture of *nuclear grade graphite*.

Nuclear grade graphite means graphite having a purity level better than 5 parts per million boron equivalent and with a density greater than 1.50 g/cm³.

- (xi) The manufacture of *flasks for irradiated fuel*.

A flask for irradiated fuel means a vessel for the transportation and/or storage of irradiated fuel which provides chemical, thermal and radiological protection, and dissipates decay heat during handling, transportation and storage.

(xii) The manufacture of *reactor control rods*.

Reactor control rods means rods as described in entry 1.4 of Annex II.

(xiii) The manufacture of *criticality safe tanks and vessels*.

Criticality safe tanks and vessels means those items as described in entries 3.2 and 3.4 of Annex II.

(xiv) The manufacture of *irradiated fuel element chopping machines*.

Irradiated fuel element chopping machines means equipment as described in entry 3.1 of Annex II.

(xv) The construction of *hot cells*.

Hot cells means a cell or interconnected cells totalling at least 6 m³ in volume with shielding equal to or greater than the equivalent of 0.5 m of concrete, with a density of 3.2 g/cm³ or greater, outfitted with equipment for remote operations.