

SCHEDULE 1

Regulation 20(1)

Amendments to Schedule 2A to the Russia (Sanctions) (EU Exit) Regulations 2019

PART 1

Entries to be inserted in the table in Part 1A

1. Entries to be inserted in column 1 (items) after the entry “g. Alpha emitting radionuclides”—

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“Aromatic polyamides (aramids) not controlled by 1C010, 1C210 or 1C990, presented in any of the following forms—

- (a) primary forms;
- (b) filament yarn or monofilaments;
- (c) filament tows;
- (d) rovings;
- (e) staple or chopped fibres;
- (f) fabrics;
- (g) pulp or flocks.

Nanomaterials as follows—

- (a) semiconductor nanomaterials;
- (b) composite-based nanomaterials;
- (c) any of the following carbon-based nanomaterials—
  - (i) carbon nanotubes;
  - (ii) carbon nanofibres;
  - (iii) fullerenes;
  - (iv) graphenes;
  - (v) carbon onions.

*Notes: For the purpose of the entry above, “nanomaterial” means a material that meets at least one of the following criteria—*

- (a) it consists of particles, with one or more external dimensions in the size range 1 - 100 nm for more than 1 % of their number size distribution,
  - (b) it has internal or surface structures in one or more dimensions in the size range 1 - 100 nm, or
  - (c) it has a specific surface area by volume greater than  $60 \text{ m}^2/\text{cm}^3$ , excluding materials consisting of particles with a size lower than 1 nm.”
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2. Entry to be inserted in column 1 after the final entry beginning “1E994”—

““Technology” “required” for the “development”, “production” or “use” of the systems, equipment, components and software specified in the entries above relating to aromatic polyamides and nanomaterials.”.

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## PART 2

### Insertion of Part 9

## “PART 9

### Miscellaneous items

1. Equipment for oil production or oil exploration as follows—
  - (a) drill head integrated measurement equipment, including inertial navigation systems for measurement while drilling (MWD);
  - (b) gas monitoring systems and detectors therefor, designed for continuous operation and detection of hydrogen sulphide;
  - (c) equipment for seismological measurements, including reflection seismetics and seismic vibrators;
  - (d) sediment echo sounders.
2. Collector equipment for metal ores in deep seabed.
3. Equipment for the “production” of printed electronics for organic light emitting diodes (OLED), organic field-effect transistors (OFET) or organic photovoltaic cells (OPVC).
4. Equipment for the “production” of microelectromechanical systems (MEMS) using the mechanical properties of silicon, including sensors in chip format like pressure membranes, bending beams or micro adjustment devices.
5. Equipment, specially designed for the production of E-Fuels (electrofuels and synthetic fuels) or ultra efficient solar cells (efficiency > 30 %).
6. Numerical controlled machine tools, having one or more linear axis with a travel length greater than 8000 mm.
7. Advanced materials as follows—
  - (a) materials for cloaking or adaptive camouflage;
  - (b) metamaterials, e.g. with a negative refractive index;
  - (c) high entropy alloys (HEA);
  - (d) Heusler compounds;
  - (e) Kitaev materials, including kitaev spin liquids.
8. Conjugated polymers (conductive, semiconductive, electroluminescent) for printed or organic electronics.
9. Energetic materials as follows and mixtures thereof, except where the material is incorporated in a medical product—
  - (a) ammonium picrate (CAS 131-74-8);
  - (b) black powder;
  - (c) hexanitrodiphenylamine (CAS 131-73-7);
  - (d) difluoroamine (CAS 10405-27-3);
  - (e) nitrostarch (CAS 9056-38-6);
  - (f) tetranitronaphthalene;
  - (g) trinitroanisole;

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- (h) trinitronaphthalene;
- (i) trinitroxylene;
- (j) N-pyrrolidinone; 1-methyl-2-pyrrolidinone (CAS 872-50-4);
- (k) dioctylmaleate (CAS 142-16-5);
- (l) ethylhexylacrylate (CAS 103-11-7);
- (m) triethylaluminium (TEA) (CAS 97-93-8), trimethylaluminium (TMA) (CAS 75-24-1), and other pyrophoric metal alkyls and aryls of lithium, sodium, magnesium, zinc or boron;
- (n) nitroglycerin (or glyceroltrinitrate, trinitroglycerine) (NG) (CAS 55-63-0);
- (o) Ethylenediaminedinitrate (EDDN) (CAS 20829-66-7);
- (p) lead azide (CAS 13424-46-9), normal lead styphnate (CAS 15245-44-0) and basic lead styphnate (CAS 12403-82-6), and primary explosives or priming compositions containing azides or azide complexes;
- (q) diethyldiphenylurea (CAS 85-98-3); dimethyldiphenylurea (CAS 611-92-7); methylethyldiphenyl urea;
- (r) N,N-diphenylurea (unsymmetrical diphenylurea) (CAS 603-54-3);
- (s) methyl-N,N-diphenylurea (methyl unsymmetrical diphenylurea) (CAS 13114-72-2);
- (t) ethyl-N,N-diphenylurea (ethyl unsymmetrical diphenylurea) (CAS 64544-71-4);
- (u) 4-Nitrodiphenylamine (4-NDPA)(CAS 836-30-6);
- (v) 2,2-dinitropropanol (CAS 918-52-5).

*Note: For the purpose of this entry, “medical product” means (1) a pharmaceutical formulation designed for human administration in the treatment of medical conditions, and (2) prepackaged for distribution as a clinical or medical product.*

**10.** “Technology” “required” for the “development”, “production” or “use” of the systems, equipment, components and software specified in paragraphs 1 to 8.

**11.** “Software” specially designed or modified for the “development”, “production” or “use” of the systems, equipment and components specified in paragraphs 3 to 6.”