

SCHEDULE 3

Regulation 12(8)

Insertion of Schedules 3C and 3D

“SCHEDULE 3C

Regulation 21

DEFENCE AND SECURITY GOODS AND DEFENCE AND SECURITY TECHNOLOGY

PART 1

PRELIMINARY

Application to non-government controlled Ukrainian territory

1. Regulation 53A applies, subject to paragraph 2, in relation to all the goods and technology specified in Parts 2, 3 and 4.

CAS numbers

2.—(1) For the purposes of this Schedule “CAS Number” when followed by a numerical sequence is a reference to the CAS Registry Numbers assigned to chemicals by the Chemical Abstracts Service⁽¹⁾.

(2) But regulation 53A applies to chemicals of the same structural formula (including hydrates) regardless of name or CAS Number.

PART 2

Interception and monitoring goods and interception and monitoring technology

Interception and monitoring equipment

1. This Part applies to any goods which can perform any of the following functions (whether individually or as part of a system)—

- (a) deep packet inspection;
- (b) network interception, including associated systems management and data retention functions;
- (c) radio frequency monitoring, including associated processing or examination;
- (d) network and satellite jamming;
- (e) remote infection;
- (f) speaker recognition, including associated processing functions;
- (g) IMSI, MSISDN, IMEI and TMSI interception and monitoring;
- (h) tactical SMS, GSM, GPS, GPRS, UMTS, CDMA, and PSTN interception and monitoring;
- (i) DHCP, SMTP and GTP information interception and monitoring;
- (j) pattern recognition and pattern profiling;
- (k) remote forensics;

(1) <https://www.cas.org/cas-data/cas-registry>.

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- (l) semantic processing;
 - (m) WEP and WPA code breaking;
 - (n) interception of VoIP (including proprietary and standard protocols).
2. Any software which can perform any of the functions described in paragraph 1(a) to (n) (whether individually or as part of a system).

Other software and other technology

3. Any software or other technology which is specially designed for the development, production or use of any goods or software described in paragraph 1 or 2.

Interpretation

4. For the purposes of this Part, the following terms have the meaning given to them in the Dual-Use Regulation—
- “development”;
 - “production”;
 - “software”;
 - “technology”;
 - “use”.

PART 3

Internal repression goods and internal repression technology

Firearms and related goods

1. Firearms, ammunition and related accessories, as follows—
 - (a) firearms;
 - (b) ammunition specially designed for firearms;
 - (c) weapon-sights.
2. Simulators for training persons to use firearms.
3. Bombs and grenades.

Vehicles

- 4.—(1) Subject to sub-paragraph (3), the following types of vehicles—
- (a) vehicles equipped with a water cannon, specially designed or modified for the purpose of riot control;
 - (b) vehicles specially designed or modified to be electrified to repel boarders;
 - (c) vehicles specially designed or modified to remove barricades, including construction equipment with ballistic protection;
 - (d) vehicles specially designed for the transport or transfer of prisoners or detainees;
 - (e) vehicles specially designed to deploy mobile barriers.
- (2) Components for the vehicles specified in sub-paragraphs (1)(a) to (e) that have been designed for the purposes of riot control.

(3) Vehicles that might otherwise fall within sub-paragraph (1)(a) to (e) are not internal repression goods if they are specially designed for the purposes of fire-fighting.

(4) For the purposes of this paragraph, “vehicle” includes a trailer.

Explosive substances and related goods

5.—(1) Equipment and devices specially designed to initiate explosions by electrical or non-electrical means, including—

- (a) firing sets;
- (b) detonators; (codes for electric detonators and detonating caps);
- (c) igniters;
- (d) boosters;
- (e) detonating cord.

(2) Components that have been specially designed for any thing mentioned in sub-paragraph (1).

(3) Sub-paragraphs (1) and (2) do not apply to any thing that has been specially designed for a specific commercial use.

(4) For the purpose of sub-paragraph (3), a “specific commercial use” means the actuation or operation by explosive means of other equipment or devices the function of which is not the creation of explosions, including—

- (a) car air-bag inflaters;
- (b) electric-surge arresters;
- (c) fire sprinkler actuators.

(5) Linear cutting explosive charges.

(6) The following explosives and related substances—

- (a) amatol;
- (b) nitrocellulose (containing more than 12.5 % nitrogen);
- (c) nitroglycol;
- (d) pentaerythritol tetranitrate (PETN);
- (e) picryl chloride;
- (f) 2,4,6-trinitrotoluene (TNT).

Other goods

6.—(1) Subject to sub-paragraph (2), the following equipment designed for the protection of a person—

- (a) body armour providing ballistic or stabbing protection or both;
- (b) helmets providing ballistic or fragmentation protection, or both, including anti-riot helmets;
- (c) anti-riot shields and ballistic shields.

(2) Sub-paragraph (1) does not apply to—

- (a) any thing specially designed to protect persons for the following purposes—
 - (i) participation in competitive sport;
 - (ii) ensuring safety at work;

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- (b) any thing mentioned in sub-paragraph (1)(a) or (b) when accompanying a person for that person's own protection.
- 7. Night vision equipment.
- 8. Thermal imaging equipment.
- 9. Image intensifier tubes.
- 10. Razor barbed wire.
- 11. The following types of knives—
 - (a) knives that are designed for use by military personnel (military knives);
 - (b) knives that are designed for use as a weapon for inflicting injury (combat knives);
 - (c) bayonets with blade lengths in excess of 10 cm.
- 12. Law enforcement striking weapons, including saps, police batons, side handle batons, tonfas, sjamboks, and whips.
- 13.—(1) Handcuffs, straitjackets and specially designed components and accessories.
(2) Sub-paragraph (1) does not apply to—
 - (a) medical devices that are equipped to restrain patient movement during medical procedures;
 - (b) devices which confine memory impaired patients to appropriate medical facilities.
- 14. Technology exclusively for the development or production of equipment controlled by paragraph 15.
- 15. Chemical agents, including tear gas formulation containing 1 per cent. or less of orthochlorobenzalmalonitrile (CS), or 1 per cent. or less of chloroacetophenone (CN), except in individual containers with a net weight of 20 grams or less; liquid pepper except when packaged in individual containers with a net weight of 3 ounces (85.05 grams) or less; smoke bombs; non-irritant smoke flares, canisters, grenades and charges; and other pyrotechnic articles having dual military and commercial use, and specially designed components thereof.
- 16. Fingerprinting powders, dyes, and inks.

Production equipment

- 17. Any equipment which is specially designed or modified for the development or for one or more of the production phases of any item mentioned in paragraphs 1 to 13 of this Part.

Software and technology

- 18. Any software which is specially designed for the simulators mentioned in paragraph 2.
- 19. Any technology which is specially designed for the development, production or use of any item mentioned in paragraphs 1 to 11.

Interpretation

20.—(1) In this Part, “firearm” means any portable barrelled weapon that expels, is designed to expel or may be converted to expel, a shot, bullet or projectile by the action of a combustible propellant.

(2) For the purposes of this Schedule, the following terms have the meaning given to them in Annex I of the Dual-Use Regulation—

“development”;

“production”;
 “software”;
 “technology”;
 “use”.

PART 4

Chemicals and equipment

Chemicals

<i>Chemical Name</i>	<i>CAS Number</i>	<i>Regulation 53A applies?</i>
Aluminium chloride	(7446-70-0)	
Dichloromethane	(75-09-2)	
N,N-Dimethylaniline	(121-69-7)	
Isopropyl bromide	(75-26-3)	
Isopropyl ether	(108-20-3)	
Monoisopropylamine	(75-31-0)	
Potassium Bromide	(7758-02-3)	
Pyridine	(110-86-1)	
Sodium bromide	(7647-15-6)	
Sodium metal	(7440-23-5)	
Tributylamine	(102-82-9)	
Triethylamine	(121-44-8)	
Trimethylamine	(75-50-3)	
Diethylenetriamine	(111-40-0)	
Butyrylcholinesterase (BCHE)	Not Applicable	Yes
Pyridostigmine bromide	(101-26-8)	
Obidoxime chloride	(114-90-9)	
Acetylene	(CAS 74-86-2)	
Acetone	(CAS 67-64-1)	
Antimony	(CAS 7440-36-0)	
Arsenic	(CAS 7440-38-2)	
Arsenic trioxide	(CAS 1327-53-3)	
Bis(2-chloroethyl)ethylamine hydrochloride	(CAS 3590-07-6)	
Bis(2-chloroethyl)methylamine hydrochloride	(CAS 55-86-7)	

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<i>Chemical Name</i>	<i>CAS Number</i>	<i>Regulation 53A applies?</i>
Benzil	(CAS 134-81-6)	
Benzaldehyde	(CAS 100-52-7)	
Benzoin	(CAS 119-53-9)	
2-bromochloroethane	(CAS 107-04-0)	
Chlorine	(CAS 7782-50-5)	
Diethyl ether	(CAS 60-29-7)	
Dimethyl ether	(CAS 115-10-6)	
Dimethylaminoethanol	(CAS 108-01-0)	
Dicyclohexylamine (DCA)	(CAS 101-83-7)	
Ethylene	(CAS 74-85-1)	
Ethylene dichloride	(CAS 107-06-2)	
2-methoxyethanol	(CAS 109-86-4)	
Ethyl bromide	(CAS 74-96-4)	
Ethyl chloride	(CAS 75-00-3)	
Ethylamine	(CAS 75-04-7)	
Ethylene oxide	(CAS 75-21-8)	
Fluorapatite	(CAS 1306-05-4)	
Hexamine	(CAS 100-97-0)	Yes
Hydrogen sulfide	(CAS 7783-06-4)	
Isocyanatomethane	(CAS 624-83-9)	
Isopropanol, 95% concentration or greater	(CAS 67-63-0)	
Mandelic acid	(CAS 90-64-2)	
Methylamine	(CAS 74-89-5)	
Methyl bromide	(CAS 74-83-9)	
Methyl chloride	(CAS 74-87-3)	
Methyl iodide	(CAS 74-88-4)	
Methylmercaptan	(CAS 74-93-1)	
Monoethylene Glycol (MEG)	(CAS 107-21-1)	
Nitromethane	(CAS 75-52-5)	
Oxalyl chloride	(CAS 79-37-8)	
Picric acid	(CAS 88-89-1)	
Potassium sulfide	(CAS 1312-73-8)	
Potassium thiocyanate	(CAS 333-20-0)	

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<i>Chemical Name</i>	<i>CAS Number</i>	<i>Regulation 53A applies?</i>
Quinaldine	(CAS 91-63-4)	
Thiophosphoryl chloride	(CAS 3982-91-0)	
Tributylphosphite	(CAS 102-85-2)	
Triisobutylphosphite	(CAS 1606-96-8)	
Tris(2-chloroethyl)amine hydrochloride	(CAS 817-09-4)	
Sodium hypochlorite	(CAS 7681-52-9)	
Sulfur trioxide	(CAS 7446-11-9)	
White/yellow phosphorus	(CAS 12185-10-3, 7723-14-0)	
Mercury	(7439#97#6)	
Barium chloride	(10361#37#2)	
Sulphuric acid, with a concentration by weight of 90% or greater	(7664#93#9)	
3,3#dimethyl#1#butene	(558#37#2)	
2,2#dimethylpropanal	(630#19#3)	
2,2#dimethylpropylchloride	(753#89#9)	
2#methylbutene	(26760#64#5)	
2#chloro#3#methylbutane	(631#65#2)	
2,3#dimethyl#2,3#butanediol	(76#09#5)	
2#methyl#2#butene	(513#35#9)	
Butyl lithium	(109#72#8)	
Bromo(methyl)magnesium	(75#16#1)	
Formaldehyde	(50#00#0)	
Diethanolamine	(111#42#2)	
Dimethylcarbonate	(616#38#6)	
Methyldiethanolamine hydrochloride	(54060#15#0)	
Methanol	(67#56#1)	
Ethanol	(64#17#5)	Yes
1#butanol	(71#36#3)	
2#butanol	(78#92#2)	
Iso#butanol	(78#83#1)	
Tert#butanol	(75#65#0)	

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<i>Chemical Name</i>	<i>CAS Number</i>	<i>Regulation 53A applies?</i>
Cyclohexanol	(108#93#0)	
Diethylamine hydrochloride	(660#68#4)	
Diisopropylamine hydrochloride	(819#79#4)	
3#Quinuclidinone hydrochloride	(1193#65#3)	
3#Quinuclidinol hydrochloride	(6238#13#7)	
(R)#3# Quinuclidinol hydrochloride	(42437#96#7)	
N,N#Diethylaminoethanol hydrochloride	(14426#20#1)	
Acetyl-alpha-methylfentanyl	101860-00-8	
Alfentanil	71195-58-9	
Alpha-methylfentanyl	79704-88-4	
Alpha-methylthiofentanyl	103963-66-2	
Beta-hydroxyfentanyl	78995-10-5	
Beta-hydroxy-3-methylfentanyl	78995-14-9	
Fentanyl	437-38-7	
3-methylfentanyl	42045-86-3	
3-methylthiofentanyl	86052-04-2	
Para-fluorofentanyl	90736-23-5	
Remifentanil	132875-61-7	
Sufentanil	56030-54-7	
Thiofentanyl	60771-38-2	
Acryloylfentanyl (Acrylfentanyl)	82003-75-6	
Carfentanil	59708-52-0	
4-Fluoroisobutyrfentanyl (4-FIBF, pFIBF)	244195-32-2	
Furanyl fentanyl	101345-66-8	
Ocfentanil	101343-69-5	
Tetrahydrofuranyl fentanyl (THF-F)	2142571-01-3	
Cyclopropylfentanyl	1169-68-2	
Methoxyacetylfentanyl	101345-67-9	
Orthofluorofentanyl	910616-29-4	
Parafluorobutyrylfentanyl	244195-31-1	
Crotonylfentanyl	760930-59-4	

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<i>Chemical Name</i>	<i>CAS Number</i>	<i>Regulation 53A applies?</i>
Valeryl fentanyl	122882-90-0	
4-Anilino-N-phenethylpiperidine (ANPP)	21409-26-7	
N-Phenethyl-4-piperidone (NPP)	39742-60-4	
Dialkyl(\leq C10) chlorophosphates	N/A	
Dialkyl(\leq C10) fluorophosphates	N/A	
N,N-Methylisopropylacetamide	1339185-57-7	
N,N-Methylethylacetamide	1339632-40-4	
N,N-Ethylisopropylacetamide	1339156-10-3	
N,N-Methylpropylacetamide	1344238-28-3	
N,N-Ethylpropylacetamide	1339737-43-7	
N,N-Isopropylpropylacetamide	1341389-98-7	
N,N-Methylethylpropanamide	1339424-26-8	
N,N-Ethylisopropylpropanamide	1344354-09-1	
N,N-Methylpropylpropanamide	1340216-25-2	
N,N-Ethylpropylpropanamide	1341493-60-4	
N,N-Isopropylpropylpropanamide	1343225-93-3	
N,N-Methylisopropylpropanamide	1339042-55-5	
N,N-Methylethylbutanamide	1341049-51-1	
N,N-Methylpropylbutanamide	1343721-02-7	
N,N-Ethylpropylbutanamide	1343806-12-1	
N,N-Isopropylpropylbutanamide	1343316-02-8	
N,N-Methylisopropylbutanamide	1340219-94-4	
N,N-Ethylisopropylbutanamide	1342204-10-7	
N,N-Methylethylisobutanamide	1342365-47-2	
N,N-Ethylpropylisobutanamide	1342566-58-8	

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<i>Chemical Name</i>	<i>CAS Number</i>	<i>Regulation 53A applies?</i>
N,N-Methylpropylisobutanamide	1342270-21-6	
N,N-Isopropylpropylisobutanamide	1342156-11-9	
N,N-Methylisopropylisobutanamide	1341992-96-8	
N,N-Ethylisopropylisobutanamide	1339048-76-8	
N,N-Dimethylacetamide hydrobromide	1801188-12-4	
N,N-Dimethylacetamide hydrochloride	2909-15-1	
N,N-Diethylacetamide hydrochloride	91400-32-7	
N,N-Diethylacetamide hydrobromide	78053-54-0	
N,N-Dimethylpropanamide dihydrochloride	79972-73-9	
N,N-Dimethylpropanamide hydrochloride	56776-15-9	

Equipment

<i>Item</i>	<i>Regulation 53A applies?</i>
Floor-mounted fume hoods (walk-in style) with a minimum nominal width of 2.5 metres.	
Full face-mask air-purifying and air-supplying respirators.	Yes
Class II biosafety cabinets and glove boxes.	
Batch centrifuges with a rotor capacity of 4 L or greater, usable with biological materials.	
Fermenters with an internal volume of 10 L – 20 L, usable with biological materials.	Yes
Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet AG performance parameters, regardless of their materials of construction.	Yes

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<i>Item</i>	<i>Regulation 53A applies?</i>
Conventional or turbulent air-flow clean-air rooms and self-contained fan-HEPA filter units that may be used for P3 or P4 (BSL 3, BSL 4, L3, L4) containment facilities.	
Vacuum pumps with a manufacturer's specified maximum flow-rate greater than 1 m ³ /h (under standard temperature and pressure conditions), casings (pump bodies), preformed casing-liners, impellers, rotors, and jet pump nozzles designed for such pumps, in which all surfaces that come into direct contact with the chemicals being processed are made from controlled materials.	
Laboratory equipment, including parts and accessories for such equipment, for the analysis or detection, destructive or non-destructive, of chemical substances.	
Whole chlor-alkali electrolysis cells – mercury, diaphragm, and membrane.	
Titanium electrodes (including those with coatings produced from other metal oxides), specially designed for use in chlor-alkali cells.	
Nickel electrodes (including those with coatings produced from other metal oxides), specially designed for use in chlor-alkali cells.	
Bipolar titanium nickel electrodes (including those with coatings produced from other metal oxides), specially designed for use in chlor-alkali cells.	
Asbestos diaphragms specially designed for use in chlor-alkali cells.	
Fluoropolymer based diaphragms specially designed for use in chlor-alkali cells.	
Fluoropolymer based ion exchange membranes specially designed for use in chlor-alkali cells.	
Compressors specially designed to compress wet or dry chlorine, regardless of material of construction.	
Microwave reactors—	Yes

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<i>Item</i>	<i>Regulation 53A applies?</i>
Machinery, plant or laboratory equipment, whether or not electrically heated, for the treatment of materials by a process involving a change of temperature such as heating 84 19 89 98 00.	
Microreactors— Instruments and apparatus for physical or chemical analysis: 90 27 89 90 00 BE (classified similar item to 90 27 80 17 90, now invalid due to code changes), for similar microreactors.	
Solid & Liquid Aerosol generating equipment— Mechanical appliances (whether or not hand-operated), for projecting, dispersing or spraying liquids or powders: 84 24 89 70 00.	

Laboratory equipment

<i>Item</i>	<i>Regulation 53A applies?</i>
Next-generation (second generation) and third generation DNA and RNA sequencers	
PCR Machines and qPCR (real-time) PCR machines	Yes
Solid phase DNA and RNA synthesisers	
Peptide synthesizers	
Automated nucleic acid extraction systems	
Ultracentrifuges	
Probe sonicators	
Fast protein liquid chromatography (FPLC) systems (medium pressure chromatography systems)	
Cell disruptors and tissue homogenisers, with a volume of 1 L or greater	

Associated Parts and Consumables

<i>Item</i>	<i>Regulation 53A applies?</i>
Next generation (second generation) and third generation DNA and RNA sequencers	Yes
DNA and RNA sequencing reagent kits	
Library and template preparation kits	

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<i>Item</i>	<i>Regulation 53A applies?</i>	
Cluster generation kits	Yes	
Flow cells	Yes	
PCR Machines and qPCR (real-time) PCR machines	Yes	
Solid phase DNA and RNA synthesisers	Nucleoside phosphoramidites	
	Columns	
	Solid support resin	Yes
	Reagent kits	Yes
Peptide synthesizers	Synthesis reagents	Yes
	Fmoc and T-Boc protected amino acids	
	Resins	Yes
Automated nucleic acid extraction systems	Synthesis reagents	Yes
	Reagents	Yes
Ultracentrifuges	Rotor adapters	
	Ultracentrifuge rotors with total capacity 1 L or greater	
Probe sonicators	Sonicator probes over 25mm diameter	
	High volume (1 L or greater) sonicator continuous flow cell	
Fast protein liquid chromatography (FPLC) systems (medium pressure chromatography systems)	FPLC columns	
	Reagents	Yes
Cell disruptors and tissue homogenisers		

Other related items

<i>Item</i>	<i>Regulation 53A applies?</i>
0B999 Specific processing equipment as follows:	
a. Ring magnets.	Yes
b. Hot cells.	
c. Glove boxes suitable for use with radioactive materials.	
0D999 Specific software, as follows:	
a. Software for neutronic calculations/modelling;	
b. Software for radiation transport calculations/modelling;	

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Item	Regulation 53A applies?
c. Software for hydrodynamic calculations/modelling.	Yes
1A995 Protective and detection equipment as follows and specially designed components therefor.	
a. Personal radiation monitoring dosimeters;	
b. Equipment limited by design or function to protect against hazards specific to civil industries, such as mining, quarrying, agriculture, pharmaceuticals, medical, veterinary, environmental, waste management, or to the food industry.	
<p><i>Note: This entry does not control items for protection against chemical or biological agents that are consumer goods, packaged for retail sale or personal use, or medical products, such as latex exam gloves, latex surgical gloves, liquid disinfectant soap, disposable surgical drapes, surgical gowns, surgical foot covers, and surgical masks.</i></p>	
1A999 Specific processing equipment as follows:	
Radiation detection, monitoring and measurement equipment	
Radiographic detection equipment such as x-ray converters, and storage phosphor image plates.	Yes
1C991 Vaccines, immunotoxins, medical products, diagnostic and food testing kits, as follows.	
<p><i>Technical note:- For the purpose of this entry, 'immunotoxins' are monoclonal antibodies linked to a toxin with the intention of destroying a specific target cell while leaving adjacent cells intact. For the purpose of this entry, "medical products" are: (1) pharmaceutical formulations designed for testing and human (or veterinary) administration in the treatment of medical conditions, (2) prepackaged for distribution as clinical or medical products. For the purpose of this entry, "diagnostic and food testing kits" are specifically developed, packaged and marketed for diagnostic or public health purposes. For the purpose of this entry, "vaccine" is defined as a medicinal (or veterinary) product in a pharmaceutical formulation that is intended to stimulate a protective immunological response in humans or animals in order to prevent disease in those to whom or to which it is administered.</i></p>	
<p><i>Technical Note: For purposes of the controls described in this entry 'toxins' refers to those toxins, or their subunits, controlled under 1C351.d of Annex I of the Dual-Use Regulation</i></p>	

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<i>Item</i>	<i>Regulation 53A applies?</i>
a. Vaccines containing, or designed for use against, items controlled by 1C351, 1C353 or 1C354 of Annex I of the Dual-Use Regulation;	Yes
b. Immunotoxins containing items controlled by 1C351.d of Annex I of the Dual-Use Regulation;	Yes
c. Medical products that contain any of the following:	Yes
c.1. Toxins controlled by 1C351.d of Annex I of the Dual-Use Regulation (<i>except for</i> botulinum toxins controlled by 1C351.d.3 of Annex I of the Dual-Use Regulation, conotoxins controlled by 1C351.d.6, of Annex I of the Dual-Use Regulation or items controlled for CW reasons under 1C351.d.11 or .d.12 of Annex I of the Dual-Use Regulation); or	Yes
c.2. Genetically modified organisms or genetic elements controlled by 1C353.a.3 of Annex I of the Dual-Use Regulation (<i>except for</i> those that contain, or code for, botulinum toxins controlled by C351.d.3 of Annex I of the Dual-Use Regulation or conotoxins controlled by 1C351.d.6 of Annex I of the Dual-Use Regulation);	Yes
d. Medical products not controlled by 1C991.c that contain any of the following:	Yes
d.1. Botulinum toxins controlled by 1C351.d.3 of Annex I of the Dual-Use Regulation;	Yes
d.2. Conotoxins controlled by 1C351.d.6 of Annex I of the Dual-Use Regulation; or	Yes
d.3. Genetically modified organisms or genetic elements controlled by 1C353.a.3 of Annex I of the Dual-Use Regulation that contain, or code for, botulinum toxins controlled by 1C351.d.3 of Annex I of the Dual-Use Regulation or conotoxins controlled by 1C351.d.6 of Annex I of the Dual-Use Regulation;	Yes
e. Diagnostic and food testing kits containing items controlled by 1C351.d of Annex I of the Dual-Use Regulation.	Yes

1C995 Mixtures that contain chemicals controlled by 1C350 or 1C450 of Annex 1 of the Dual-Use Regulation and medical, analytical, diagnostic, and food testing kits that contain chemicals controlled by 1C350, as follows:

For the purpose of this entry, “medical, analytical, diagnostic, and food testing kits” are pre-packaged materials of defined composition that are specifically developed, packaged and marketed for medical, analytical, diagnostic, or public health purposes.

a. Mixtures containing the following concentrations of precursor chemicals controlled by 1C350 of Annex I of the Dual-Use Regulation:

a.1. Mixtures containing 10 per cent. or less, by weight, of any of the following—

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<i>Chemical Name</i>	<i>CAS Number</i>	<i>Regulation 53A applies?</i>
Arsenic trichloride;	7784-34-1	
Benzilic acid;	76-93-7	
Diethyl ethylphosphonate;	78-38-6	
Diethyl methylphosphonate;	683-08-9	
Diethyl methylphosphonite	15715-41-0	
Diethyl-N,N-dimethylphosphoroamidate;	2404-03-7	
N,N-Diisopropylaminoethanethiol hydrochloride;	41480-75-5	
N,N-Diisopropyl-beta-aminoethane thiol;	5842-07-9	
N,N-Diisopropyl-beta-aminoethanol;	96-80-0	
N,N-Diisopropyl-beta-aminoethyl chloride;	96-79-7	
N,N-Diisopropyl-beta-aminoethyl chloride hydrochloride;	4261-68-1	
Dimethyl ethylphosphonate;	6163-75-3	
Dimethyl methylphosphonate;	756-79-6	
N,N-dimethylamino-phosphoryl dichloride;	677-43-0	
Ethyl phosphonous dichloride [Ethyl phosphinyl dichloride];	1498-40-4	
Ethyl phosphonus difluoride [Ethyl phosphinyl difluoride];	430-78-4	
Ethyl phosphoryl dichloride;	1066-50-8	
Methylphosphonic acid;	993-13-5	
Methylphosphonothioic dichloride.	676-98-2	
Pinacolyl alcohol;	464-07-3	
3-Quinuclidinol;	1619-34-7	
Thiodiglycol.	111-48-8	

a.2. Mixtures containing less than 30 per cent., by weight, of:

a.2.a. Any of the following—

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dummy table caption

<i>Chemical Name</i>	<i>CAS Number</i>	<i>Regulation 53A applies?</i>
Diethyl phosphite;	762-04-9	
Dimethyl phosphite (dimethyl hydrogen phosphite);	868-85-9	
Ethyldiethanolamine;	139-87-7	
Phosphorus oxychloride;	10025-87-3	
Phosphorus pentachloride;	10026-13-8	
Phosphorus trichloride;	7719-12-2	
Sulfur dichloride;	10545-99-0	
Sulfur monochloride;	10025-67-9	
Thionyl chloride;	7719-09-7	
Triethanolamine;	102-71-6	
Triethyl phosphite;	122-52-1	
Trimethyl phosphite.	121-45-9	

or

a.2.b. Any of the following single precursor chemicals—

dummy table caption

<i>Chemical Name</i>	<i>CAS Number</i>	<i>Regulation 53A applies?</i>
Ammonium hydrogen fluoride;	1341-49-7	
2-Chloroethanol;	107-07-3	
Diethylamine;	109-89-7	
N,N-Diethylaminoethanol;	100-37-8	
Diethyl chlorophosphite;	589-57-1	
O,O-Diethyl phosphorodithioate;	298-06-6	
O,O-Diethyl phosphorothioate;	2465-65-8	
Di-isopropylamine;	108-18-9	
Dimethylamine;	124-40-3	
Dimethylamine hydrochloride;	506-59-2	
Ethyl chlorofluorophosphate;	762-77-6	
Ethyl dichlorophosphate;	1498-51-7	
Ethyl difluorophosphate;	460-52-6	
Hydrogen fluoride;	7664-39-3	

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<i>Chemical Name</i>	<i>CAS Number</i>	<i>Regulation 53A applies?</i>
3-Hydroxyl-1-methylpiperidine;	3554-74-3	
Methyl benzilate;	76-89-1	
Methyl chlorofluorophosphate;	754-01-8	
Methyl dichlorophosphate;	677-24-7	
Methyl difluorophosphate;	22382-13-4	
N,N Diethylacetamide;	14277-06-6	
N,N-Diethylbutanamide;	53510-30-8	
N,N-Diethylformamide;	90324-67-7	
N,N Diethylisobutanamide;	1342789-47-2	
N,N-Diethylpropanamide;	84764-73-8	
N,N-Diisopropylbutanamide;	1315467-17-4	
N,N-Diisopropylformamide;	857522-08-8	
N,N-Dimethylacetamide;	2909-14-0	
N,N-Dimethylbutanamide;	1340437-35-5	
N,N-Dimethylformamide;	44205-42-7	
N,N-Dimethylisobutanamide;	321881-25-8	
N,N-Dimethylpropanamide;	56776-14-8	
N,N-Dipropylacetamide;	1339586-99-0	
N,N-Dipropylbutanamide;	1342422-35-8	
N,N-Dipropylformamide;	48044-20-8	
N,N-Dipropylisobutanamide;	1342700-45-1	
N,N-Dipropylpropanamide;	1341496-89-6	
Phosphorus pentasulfide;	1314-80-3	
Pinacolone;	75-97-8	
Potassium bifluoride;	7789-29-9	
Potassium cyanide;	151-50-8	
Potassium fluoride;	7789-23-3	
3-Quinuclidone;	3731-38-2	
Sodium bifluoride;	1333-83-1	
Sodium cyanide;	143-33-9	
Sodium fluoride;	7681-49-4	
Sodium hexafluorosilicate;	16893-85-9	
Sodium sulfide;	1313-82-2	

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<i>Chemical Name</i>	<i>CAS Number</i>	<i>Regulation 53A applies?</i>
Triethanolamine hydrochloride;	637-39-8	
Tri-isopropyl phosphite.	116-17-6	

b. Mixtures containing the following concentrations of toxic or precursor chemicals controlled by 1C450 of Annex I of the Dual-Use Regulation—

b.1. Mixtures containing the following concentrations of CWC Schedule 2 chemicals controlled by 1C450.a.2, 1C450.b1, 1C450.b.2, 1C450.b.3, 1C450.b.4, 1C450.b.5 or 1C450.b.6 of Annex I of the Dual-Use Regulation;

b.1.a. Mixtures containing 1 per cent. or less, by weight, of any single CWC Schedule 2 chemical controlled by 1C450.a.2 of Annex I of the Dual-Use Regulation (i.e., mixtures containing PFIB); or

b.1.b. Mixtures containing 10 per cent. or less, by weight, of any single CWC Schedule 2 chemical controlled by 1C450.b1, 1C450.b.2, 1C450.b.3, 1C450.b.4, 1C450.b.5 or 1C450.b.6 of Annex I of the Dual-Use Regulation.

b.2. Mixtures containing less than 30 per cent., by weight, of any single CWC Schedule 3 chemical controlled by 1C450.a.4, 1C450.a.5, 1C450.a.6, 1C450.a.7, 1C450.b.8, of Annex I of the Dual-Use Regulation.

c. “Medical, analytical, diagnostic, and food testing kits” that contain precursor chemicals controlled by the following in an amount not exceeding 300 grams per chemical.

Delete this heading

<i>Chemical Name</i>	<i>CAS Number</i>	<i>Regulation 53A applies?</i>
Ammonium hydrogen fluoride;	1341-49-7	Yes to all items in column 1 of this table
2-Chloroethanol;	107-07-3	
Diethylamine;	109-89-7	
N,N-Diethylaminoethanol;	100-37-8	
Diethyl chlorophosphite;	589-57-1	
O,O-Diethyl phosphorodithioate;	298-06-6	
O,O-Diethyl phosphorothioate;	2465-65-8	
Di-isopropylamine;	108-18-9	
Dimethylamine;	124-40-3	
Dimethylamine hydrochloride;	506-59-2	
Ethyl chlorofluorophosphate;	762-77-6	
Ethyl dichlorophosphate;	1498-51-7	
Ethyl difluorophosphate;	460-52-6	
Hydrogen fluoride;	7664-39-3	
3-Hydroxyl-1-methylpiperidine;	3554-74-3	
Methyl benzilate;	76-89-1	

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<i>Chemical Name</i>	<i>CAS Number</i>	<i>Regulation 53A applies?</i>
Methyl chlorofluorophosphate;	754-01-8	
Methyl dichlorophosphate;	677-24-7	
Methyl difluorophosphate;	22382-13-4	
N,N Diethylacetamide;	14277-06-6	
N,N-Diethylbutanamide;	53510-30-8	
N,N-Diethylformamide;	90324-67-7	
N,N Diethylisobutanamide;	1342789-47-2	
N,N-Diethylpropanamide;	84764-73-8	
N,N-Diisopropylbutanamide;	1315467-17-4	
N,N-Diisopropylformamide;	857522-08-8	
N,N-Dimethylacetamide;	2909-14-0	
N,N-Dimethylbutanamide;	1340437-35-5	
N,N-Dimethylformamide;	44205-42-7	
N,N-Dimethylisobutanamide;	321881-25-8	
N,N-Dimethylpropanamide;	56776-14-8	
N,N-Dipropylacetamide;	1339586-99-0	
N,N-Dipropylbutanamide;	1342422-35-8	
N,N-Dipropylformamide;	48044-20-8	
N,N-Dipropylisobutanamide;	1342700-45-1	
N,N-Dipropylpropanamide;	1341496-89-6	
Phosphorus pentasulfide;	1314-80-3	
Pinacolone;	75-97-8	
Potassium bifluoride;	7789-29-9	
Potassium cyanide;	151-50-8	
Potassium fluoride;	7789-23-3	
3-Quinuclidone;	3731-38-2	
Sodium bifluoride;	1333-83-1	
Sodium cyanide;	143-33-9	
Sodium fluoride;	7681-49-4	
Sodium hexafluorosilicate;	16893-85-9	
Sodium sulfide;	1313-82-2	
Triethanolamine hydrochloride;	637-39-8	
Tri-isopropyl phosphite.	116-17-6	

SCHEDULE 3D

Regulation 46R

Revenue generating goods

1. Paragraph 1 of Schedule 3 applies for the purpose of interpreting this Schedule.
2. A revenue generating good is any thing falling within a commodity code mentioned in column 1 of the following table.

<i>Commodity code (1)</i>	<i>Item (2)</i>
0306	Crustaceans, whether in shell or not, live, fresh, chilled, frozen, dried, salted or in brine; smoked crustaceans, whether in shell or not, whether or not cooked before or during the smoking process; crustaceans, in shell, cooked by steaming or by boiling in water, whether or not chilled, frozen, dried, salted or in brine
1604 31 00	Caviar
1604 32 00	Caviar substitutes
2523	Portland cement, aluminous cement, slag cement, supersulphate cement and similar hydraulic cements, whether or not coloured or in the form of clinkers
28251000	Hydrazine and hydroxylamine and their inorganic salts
28254000	Nickel oxides and hydroxides
28255000	Copper oxides and hydroxides
28256000	Germanium oxides and zirconium dioxide
28257000	Molybdenum oxides and hydroxides
28258000	Antimony oxides
28259011	Calcium hydroxide of a purity of $\geq 98\%$ calculated on the dry weight, in the form of particles of which not $> 1\%$ by weight have a particle-size > 75 micrometres and not $> 4\%$ by weight have a particle-size of $< 1,3$ micrometres
28259019	Calcium oxide, hydroxide and peroxide (excl. calcium hydroxide of a purity of $\geq 98\%$ calculated on the dry weight, in the form of particles of which not $> 1\%$ by weight have a particle-size > 75 micrometres and not $> 4\%$ by weight have a particle-size of $< 1,3$ micrometres)
28259020	Beryllium oxide and hydroxide
28259040	Tungsten oxides and hydroxides
28259060	Cadmium oxide
28259085	Inorganic bases and metal oxides, hydroxides and peroxides, n.e.s.
28351000	Phosphinates "hypophosphites" and phosphonates "phosphites"
28352200	Mono- or disodium phosphate
28352400	Phosphates of potassium
28352500	Calcium hydrogenorthophosphate "dicalcium phosphate"
28352910	Phosphate of triammonium

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<i>Commodity code (1)</i>	<i>Item (2)</i>
28352930	Phosphate of trisodium
28352990	Phosphates (excl. phosphates of triammonium, monosodium, disodium, trisodium, of potassium, of calcium and of mercury)
28353100	Sodium triphosphate “sodium tripolyphosphate”, whether or not chemically defined
28353900	Polyphosphates, whether or not chemically defined (excl. sodium triphosphate “sodium tripolyphosphate”, and inorganic or organic compounds of mercury whether or not chemically defined)
29012100	Ethylene
29012200	Propene “propylene”
29012300	Butene “butylene” and isomers thereof
29012400	Buta-1,3-diene and isoprene
29012900	Hydrocarbons, acyclic, unsaturated (excl. ethylene, propene “propylene”, butene “butylene” and isomers thereof and Buta-1,3-diene and isoprene)
2902	Cyclic hydrocarbons
29051200	Propan-1-ol “propyl alcohol” and propan-2-ol “isopropyl alcohol”
29051300	Butan-1-ol “n-butyl alcohol”
29051410	2-Methylpropan-2-ol “tert-butyl alcohol”
29051490	Butanols (excl. butan-1-ol “n-butyl alcohol” and 2-Methylpropan-2-ol “tert-butyl alcohol”)
29051620	Octan-2-ol
29051685	Octanol “octyl alcohol” and isomers thereof (excl. octan-2-ol)
29051700	Dodecan-1-ol “lauryl alcohol”, hexadecan-1-ol “cetyl alcohol” and octadecan-1-ol “stearyl alcohol”
29051900	Saturated monohydric acyclic alcohols (excl. methanol “methyl alcohol”, propan-1-ol “propyl alcohol”, propan-2-ol “isopropyl alcohol”, butanols, octanol “octyl alcohol” and isomers thereof, dodecan-1-ol “lauryl alcohol”, hexadecan-1-ol “cetyl alcohol” and octadecan-1-ol “stearyl alcohol”)
29052200	Acyclic terpene alcohols
29052910	Allyl alcohol
29052990	Unsaturated monohydric acyclic alcohols (excl. allyl alcohol and acyclic terpene alcohols)
29053100	Ethylene glycol “ethanediol”
29053200	Propylene glycol “propane-1,2-diol”
29053920	Butane-1,3-diol
29053926	Butane-1,4-diol or tetramethylene glycol [1,4-butanediol] having a bio-based carbon content of 100% by mass

<i>Commodity code (1)</i>	<i>Item (2)</i>
29053928	Butane-1,4-diol (excl. having a bio-based carbon content of 100%)
29053930	2,4,7,9-Tetramethyldec-5-yne-4,7-diol
29053995	Acyclic diols (excl. ethylene glycol “ethanediol”, propylene glycol “propane-1,2-diol”, butane-1,3-diol, butane-1,4-diol and 2,4,7,9-tetramethyldec-5-yne-4,7-diol)
29054100	2-Ethyl-2-“hydroxymethyl” propane-1,3-diol “trimethylolpropane”
29054200	Pentaerythritol
29054300	Mannitol
29054411	D-glucitol “sorbitol”, in aqueous solution containing ≤ 2% by weight of d-mannitol, calculated on the d-glucitol content
29054419	D-glucitol “sorbitol” in aqueous solution (excl. containing ≤ 2% by weight of d-mannitol, calculated on the d-glucitol content)
29054491	D-glucitol “sorbitol”, containing ≤ 2% by weight of d-mannitol, calculated on the d-glucitol content (excl. in aqueous solution)
29054499	D-glucitol “sorbitol” (excl. in aqueous solution and containing ≤ 2% by weight of d-mannitol, calculated on the d-glucitol content)
29054500	Glycerol
29054900	Tri- and other polyhydric acyclic alcohols (excl. 2-ethyl-2-“hydroxymethyl” propane-1,3-diol “trimethylolpropane”, pentaerythritol, mannitol, d-glucitol “sorbitol” and glycerol)
29055100	Ethchlorvynol “INN”
29055991	2,2-Bis “bromomethyl” propanediol
29055998	Halogenated, sulphonated, nitrated or nitrosated derivatives of acyclic alcohols (excl. 2,2-bis”bromomethyl”propanediol and ethchlorvynol “INN”)
2907	Phenols; phenol-alcohols
2909	Ethers, ether-alcohols, ether-phenols, ether-alcohol-phenols, alcohol peroxides, ether peroxides, acetal and hemiacetal peroxides, ketone peroxides (whether or not chemically defined), and their halogenated, sulphonated, nitrated or nitrosated derivatives
3104 20	Potassium chloride
3105 20	Mineral or chemical fertilisers containing the three fertilising elements nitrogen, phosphorus and potassium
3105 60	Mineral or chemical fertilisers containing the two fertilising elements phosphorus and potassium
3105 90 20	Other fertilisers containing potassium chloride
3105 90 80	Other fertilisers containing potassium chloride
3902	Polymers of propylene or of other olefins, in primary forms
4011	New pneumatic tyres, of rubber

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<i>Commodity code (1)</i>	<i>Item (2)</i>
44	Wood and articles of wood; wood charcoal
4705	Wood pulp obtained by a combination of mechanical and chemical pulping processes
4804	Uncoated kraft paper and paperboard, in rolls or sheets, other than that of heading 4802 or 4803
6810	Articles of cement, of concrete or of artificial stone, whether or not reinforced
7005	Float glass and surface ground or polished glass, in sheets, whether or not having an absorbent, reflecting or non-reflecting layer, but not otherwise worked
7007	Safety glass, consisting of toughened (tempered) or laminated glass
7010	Carboys, bottles, flasks, jars, pots, phials, ampoules and other containers, of glass, of a kind used for the conveyance or packing of goods; preserving jars of glass; stoppers, lids and other closures, of glass
7019	Glass fibres (including glass wool) and articles thereof (for example, yarn, rovings, woven fabrics)
7106	Silver (including silver plated with gold or platinum), unwrought or in semi-manufactured forms, or in powder form
7606	Aluminium plates, sheets and strip, of a thickness exceeding 0.2 mm
7801	Unwrought lead
84111100	Turbojets of a thrust ≤ 25 kN
84111210	Turbojets of a thrust > 25 kN but ≤ 44 kN
84111230	Turbojets of a thrust > 44 kN but ≤ 132 kN
84111280	Turbojets of a thrust > 132 kN
84112100	Turbopropellers of a power ≤ 1.100 kW
84112220	Turbopropellers of a power > 1.100 kW but ≤ 3.730 kW
84112280	Turbopropellers of a power > 3.730 kW
84118100	Gas turbines of a power ≤ 5.000 kW (excluding turbojets and turbopropellers)
84118220	Gas turbines of a power > 5.000 kW but ≤ 20.000 kW (excluding turbojets and turbopropellers)
84118260	Gas turbines of a power > 20.000 kW but ≤ 50.000 kW (excluding turbojets and turbopropellers)
84118280	Gas turbines of a power > 50.000 kW (excluding turbojets and turbopropellers)
84119900	Parts of gas turbines, n.e.s.
8431	Parts suitable for use solely or principally with the machinery of headings 8425 to 8430

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<i>Commodity code (1)</i>	<i>Item (2)</i>
8901	Cruise ships, excursion boats, ferry-boats, cargo ships, barges and similar vessels for the transport of persons or goods
8904	Tugs and pusher craft
8905	Light-vessels, fire-floats, dredgers, floating cranes, and other vessels the navigability of which is subsidiary to their main function; floating docks; floating or submersible drilling or production platforms
9403	Other furniture and parts thereof ⁷