{(To be published in the Gazette of India Extraordinary Part II Section-3, Sub-Section (ii)}

Government of India
Ministry of Commerce & Industry
Department of Commerce
Directorate General of Foreign Trade
Udyog Bhavan

Notification No. 10/2015-2020 New Delhi, dated: 11th June, 2020

Subject: SCOMET Updates 2020 - Amendment in Appendix 3 (SCOMET items) to Schedule-2 of ITC (HS) Classification of Export and Import Items, 2018.

- S.O.(E) In exercise of the powers conferred by Section 5 and Section 14A of the Foreign Trade (Development and Regulation) Act, 1992, as amended, read with Para 1.02 of the Foreign Trade Policy 2015-2020, the Central Government hereby makes the amendment in Appendix 3 (SCOMET Items) to Schedule -2 of ITC (HS) Classification of Export and Import Items 2018, as enclosed in the Annexure to this Notification.
- 2. The updated Appendix 3 (SCOMET Items) to Schedule- 2 of ITC (HS) Classification of Export and Import Items, 2018 including annexure to this notification would be uploaded on the web-portal of DGFT under heading Policies and Sub-heading SCOMET (http://dgft.gov.in/scomet).
- 3. In order to provide transition time to industry, this Notification shall come into force after 30 days of the issue. However, changes to the Annex on Scheduled Chemicals, as at SI. No. 63 to 66 of the Annexure to the Notification, shall come into force, with immediate effect.

4. Effect of this Notification:-

Annual SCOMET Updates - 2020 has been notified to amend Appendix 3 (SCOMET Items) to Schedule - 2 of ITC (HS) Classification of Export and Import Items, 2018.

(Amit Yadav)

Director General of Foreign Trade

Ex-officio Additional Secretary to the Government of India

E-mail: dgft@nic.in

(Issued from F.No. 01/91/171/37/AM10/EC / E-65)

Note: Principal Notification No. 05 dated 24th April 2017, Notification No. 13 dated 28th June 2017, Notification No. 29 dated 21^{st} September 2017, Notification No. 17 dated 3^{rd} July, 2018 and Notification No. 04 dated 24^{th} April, 2019

Annexure referred to in DGFT Notification No. 10/2015-20 dated 11.06.2020 regarding amendment in Appendix 3 (SCOMET Items) to Schedule -2 of ITC (HS) Classification of Export and Import Items 2018

	Revised Entry in SCOMET List [The previous entries against relevant items shall be substituted as under in the SCOMET list:] [Text highlighted in purple color has been added]
3	4
1AExport of the following chemicals is prohib	ited: 1A Export of the following chemicals, related technology and software is prohibited:
D0013D001 (6)Valves	3D001(6)Valves
 a. A nominal size greater than 1.0 cm (3/8" b. All surfaces that come in direct contachemical(s) being produced, processed, are made from the materials of con Technical Note 1 of this entry 	act with the or contained b. All surfaces that come in direct contact with the chemical(s) being produced, processed, or contained are made from the materials of construction in Technical Note 1 of this entry
 (ii) Valves, not already identified in 3D001(all of the following: a. A nominal size equal to or greater than and equal to or less than 10.16 cm (4") b. Casings (valve bodies) or preformed cast. c. A closure element designed to be interested. d. All surfaces of the casing (valve body) of case liner that come in direct contarchemical(s) being produced, processed, are made from the materials of contact Technical Note 1 of this entry 	having all of the following: a. A nominal size equal to or greater than DN 25 or NPS 1 and equal to or less than DN 100 or NPS 4 or national equivalents. b. Casings (valve bodies) or preformed casing liners, or preformed act with the or contained d. All surfaces of the casing (valve body) or
 (iii) Components, as follows: a. Casings (valve bodies) designed for paragraphs 6.a.or 6.b., in which all s come in direct contact with the chemi produced, processed, or contained are materials of construction in Technical Nentry; b. Preformed casing liners designed for paragraphs 6.a.or 6.b., in which all s come in direct contact with the chemi produced, processed, or contained are materials of construction in Technical Nentry. Technical Note 1. Materials of cons valves include any of the following: a. nickel or alloys with more than 40% weight; b. alloys with more than 25% nickel chromium by weight; c. fluoropolymers (polymeric or elastomer with more than 35% fluorine by weight); d. glass or glass-lined (including vitrified or 	paragraphs 6.a.or 6.b., in which all surfaces that come in direct contact with the chemical(s) being produced, processed, or contained are made from the materials of construction in Technical Note 1 of this entry; b. Preformed casing liners designed for valves in paragraphs 6.a.or 6.b., in which all surfaces that come in direct contact with the chemical(s) being produced, processed, or contained are made from the dote 1 of this entry. Truction for Technical Note 1. Materials of construction for valves include any of the following: a. nickel or alloys with more than 40% nickel by weight; b. alloys with more than 25% nickel and 20% chromium by weight; c. fluoropolymers (polymeric or elastomeric materials with more than 35% fluorine by
3	IAExport of the following chemicals is prohib IAExport of the following: a. A nominal size greater than 1.0 cm (3/8') b. All surfaces that come in direct contachemical(s) being produced, processed, are made from the materials of contachemical Note 1 of this entry (ii) Valves, not already identified in 3D001(all of the following: a. A nominal size equal to or greater than and equal to or less than 10.16 cm (4") b. Casings (valve bodies) or preformed case. A closure element designed to be interested in the surfaces of the casing (valve body) of case liner that come in direct contachemical(s) being produced, processed, are made from the materials of contachemical Note 1 of this entry (iii) Components, as follows: a. Casings (valve bodies) designed for paragraphs 6.a.or 6.b., in which all should come in direct contact with the chemical produced, processed, or contained are materials of construction in Technical Note 1. Preformed casing liners designed for paragraphs 6.a.or 6.b., in which all should come in direct contact with the chemical produced, processed, or contained are materials of construction in Technical Note 1. Technical Note 1. Materials of construction in Technical Note 1. Technical Note 1. Materials of construction in Technical Note 1. Technical Note 1. Materials of construction in Technical Note 1. Technical Note 1. Materials of construction in Technical Note 1. Technical Note 1. Materials of construction in Technical Note 1. Technical Note 1. Materials of construction in Technical Note 1. Technical Note 1. Materials of construction in Technical Note 1. Technical Note 1. Materials of construction in Technical Note 1. Technical Note 1. Materials of construction in Technical Note 1. Technical Note 1. Materials of construction in Technical Note 1. Technical Note 1. Materials of construction in Technical Note 1. Technical Note 1. Technical Note 1.

3.	Change in 1A (6)	f. titanium or titanium alloys; g. zirconium or zirconium alloys; h. niobium (columbium) or niobium alloys; or i. ceramic materials as follows: 1.silicon carbide with a purity of 80% or more by weight; 2.aluminum oxide (alumina) with a purity of 99.9% or more by weight; 3.zirconium oxide (zirconia). Technical Note 2. The 'nominal size' is defined as the smaller of the inlet and outlet port diameters.	Technin acco (NPS) or nati	titaniu zircom niobiu cerami 1.silicon by wei 2.alumin 99.9% 3.zirconi cal Note 2 r of the ini cal Note 3 ordance w are in acconal equiv	oum oxide (alumina) or more by weight; ium oxide (zirconia). The 'nominal size' let and outlet port diam Metric nominal sizes ith ISO6708: 1995. Natordance with ASME B.	of 80% or more with a purity of is defined as the neters. (DN) of valves are ional Pipe Sizes 36.10 or B36.19,
4.	Change in	3D006 Fermenters:	3D006	Fermenter	40.4	
	3D006 Fermenters: Addition of Technical Note 1 and 2	(1) Fermenters capable of cultivation of microorganisms or of live cells for the production of viruses or toxins, without the propagation of aerosols, having a total internal volume of 20 litres or greater; (2) Components designed for such fermenters, as follows:- a. Cultivation chambers designed to be sterilized or disinfected in situ; b. cultivation chamber holding devices; or c. process control units capable of simultaneously monitoring and controlling two or more fermentation system parameters (e.g. temperature, pH, nutrients, agitation, dissolved oxygen, air flow, foam control). Technical Note Fermenters include bioreactors (including single-use (disposable) bioreactors), chemostats and continuous-flow systems.	(1) (2) Tebicosys Tedented	Ferment organist viruses aerosols litres or Compor follows: a. Cu sterior b. cull c. prosim con system flower actors (chnical Nature actors), tems.	ters capable of cultives the color of the cells for the color toxins, without the color toxins, without the color toxins, without the color toxins, without the color toxins a total internegrator; ments designed for such that the color chambers of the color toxing the color color toxing the color toxing toxing the color toxing toxing toxing toxing toxing toxing toxing the color toxing	the production of a propagation of al volume of 20 th fermenters, as designed to be a situ; and devices; or a capable of a
5.	New Entries	New entries entered from sub-category 1D026 to			Chemical	CAS Number
	added at	1D049	0.	T Entry	Chemical	CAS Number
	1D026 to 1D049		1	1D001	2-Chloroethanol	(107-07-3)
			2	1D002	3-Hydroxy-1- methylpiperidine	(3554-74-3)
			3	1D003	3-Quinuclidone	(3731-38-2)
			4	1D004	Ammonium bifluoride	(1341-49-7)
			5	1D005	Diethylaminoethanol	(100-37-8)
			6	1D006	Diisopropylamine	(108-18-9)
			7	1D007	Dimethylamine Dimethylamine	(124-40-3)
			8	1D008	hydrochloride	(506-59-2)
			9	1D009	Hydrogen fluoride	(7664-39-3)
			10	1D010	Methyl benzilate	(76-89-1)
			11	1D011	O,O-Diethyl phosphorothioate	(2465-65-8)

12 10012 phosphoroditrioare 298-06-0 181 10014 pentasulphide (1314-80-3) 10014 pentasulphide (1314-80-3) 10015					O,O-Diethyl	
14 ID014 Phosphorus Phosphorus I314-80-31 I55 ID015 Potassium bifiluoride (7789-23-3) I6 ID016 Potassium bifiluoride I515-08-8 I77 ID017 Potassium fluoride (3789-23-3) I8 ID018 Sodium syanide (143-33-9) I20 ID020 Sodium supride (143-33-9) I20 ID020 Sodium supride I689-38-59 I21 ID021 Patrimorbanical I689-38-59 I22 ID022 Sodium sulpride I313-82-2 ID023 Sodium sulpride I313-82-2 ID025 Identification Identificati			12	1D012		(298-06-6)
15 10015 Potassium bifluoride (798-92-33) 16 101016 Potassium yearide (7789-92-33) 18 10018 Sodium bifluoride (7789-92-33) 18 10018 Sodium bifluoride (7789-92-33) 19 10019 Sodium fluoride (7789-92-33) 10 10019 Sodium fluoride (7881-49-4) Sodium fluoride (7681-49-4) Sodium fluoride (7681-49-4)			13	1D013		(75-97-8)
16 D016 Potassium cyanide (151-50-8)			14	1D014		(1314-80-3)
17 10017 Potassium fluoride (7789-23-3) 18 101018 Sodium silhoride (143-33-9) 20 10020 Sodium fluoride (7681-49-4) 21 10021 Heastfluorosilicate (1689-38-5) 22 10023 Heastfluorosilicate (1689-38-5) 23 10023 Trichanolamine (171-6) 24 10024 Heastfluorosilicate (1689-38-5) 24 10024 Heastfluorosilicate (1689-38-5) 25 10025 Dicitylamine (108-39-3) 26 10026 Girlorophosphate (116-17-6) 27 10027 Girlorophosphate (169-5)-17 28 10028 Gifluorophosphate (169-5)-17 29 10029 Gifluorophosphate (169-5)-17 20 Gifluorophosphate (169-5)-17 30 10030 Gifluorophosphate (169-5)-17 40 Gifluorophosphate (169-5)-17 50 Gifluorophosphate (169-5)-17 60 Gifluor			15	1D015	Potassium bifluoride	(7789-23-3)
18 10018 Sodium bifluoride (1333-83-1) 19 10109 Sodium cyanide (143-33-9) 20 10020 Sodium sulphide (7681-9-4) 21 10021 Hockflowride (16893-88-9) 22 10022 Sodium sulphide (1313-82-2) 23 10023 Hydrechloride (637-39-8) 24 10024 Hosphate (116-17-6) 25 10025 Delethylamine (109-89-7) 26 10026 dichlorophosphate (149-8-17-7) 27 10027 dichlorophosphate (149-8-17-7) 28 10028 difhuorophosphate (149-8-17-7) 29 10029 dichlorophosphate (149-8-17-7) 30 10030 difhuorophosphate (149-8-17-7) 31 10031 (149-8-17-7) 32 10032 (149-8-17-7) 33 10033 Dimethylfornamidine (149-8-17-7) 34 10048 N.N. (149-4-17-8) 35 10035 Dipropyffornamidine (149-8-17-6) 36 10036 N.N. (149-4-17-8) 37 10037 Dipropyffornamidine (149-8-17-6) 38 10088 N.N. (149-4-17-8) 39 10039 N.N. (149-4-17-8) 30 10030 N.N. (149-4-17-8) 31 10031 N.N. (149-4-17-8) 32 10032 N.N. (149-4-17-8) 33 10038 Dipropyffornamidine (149-8-9-6) 34 10043 N.N. (149-4-8-8-6) 35 10046 N.N. (149-4-8-8-6) 36 10046 N.N. (149-4-8-8-6) 37 10047 N.N. (149-4-8-8-6-6) 38 10088 N.N. (149-4-8-8-6-6) 39 10049 N.N. (149-4-8-8-6-6) 40 10040 Dipropyfloyanamidine (149-8-8-6-6) 41 10041 Dipropyfloyanamidine (149-8-8-6-6) 42 10042 Dipropyfloyanamidine (149-8-8-6-6) 43 10043 N.N. (149-8-8-6-6) 44 10044 Dipropyfloyanamidine (149-8-8-6-6) 45 10045 Dipropyfloyanamidine (149-8-8-6-6) 46 10046 Dipropyfloyanamidine (149-8-8-6-6) 47 10047 Dipropyfloyanamidine (149-8-8-6-6) 48 10048 Dipropyfloyanamidine (149-8-8-6-6) 49 10048 Dipropyfloyanamidine (149-8-8-6-6) 40 10040 Dipropyfloyanamidine (149-8-8-6-6) 41 10044 Dipropyfloyanamidine (149-8-8-6-6) 42 10042 Dipropyfloyanamidine (149-8-			16	1D016	Potassium cyanide	(151-50-8)
100 1000 1			17	1D017	Potassium fluoride	(7789-23-3)
1002 Sodium fluoride (768149-4) Sodium Sodium Communication (16893-85-9) 21 10021 Sodium sulphide (16893-85-9) 24 10024 phosphate (161-67-7) Trisopropyi (637-39-8) Trisopropy			18	1D018	Sodium bifluoride	(1333-83-1)
21 ID021 Sodium sulphide (16893-85-9) 22 ID022 Sodium sulphide (1313-82-2) 23 ID023 Tritisopropy phosphate (116-17-6) 24 ID024 phosphate (116-17-6) 25 ID025 Diethylamine (108-88-7) 26 ID026 dichlorophosphate (116-17-6) 27 ID027 dichlorophosphate (116-17-6) 28 ID026 dichlorophosphate (116-17-6) 29 ID029 diffuorophosphate (116-17-6) 29 ID029 diffuorophosphate (116-17-6) 20 ID026 diffuorophosphate (116-17-6) 21 ID036 diffuorophosphate (116-17-6) 21 ID037 dichlorofhorophosphate (116-17-6) 31 ID031 chlorofhorophosphate (116-17-6) 32 ID032 chlorofhorophosphate (116-17-6) 33 ID033 Dimethyloromamidine (116-17-6) 34 ID034 Diethylfornamidine (116-17-6) 35 ID035 Dipopylfornamidine (110-18-6) 36 ID036 Diethylfornamidine (110-18-6) 38 ID038 Diethylfacetamidine (110-18-6) 39 ID039 Dipopylfornamidine (110-18-6) 30 ID040 Dipopylfornamidine (110-18-6) 30 ID040 Dipopylfornamidine (110-18-6) 31 ID041 Dipopylfornamidine (110-18-6) 32 ID041 Dipopylfornamidine (110-18-6) 34 ID042 Dipopylfornamidine (110-18-6) 35 ID044 Dipopylfornamidine (110-18-6) 36 ID045 Dipopylfornamidine (110-18-6) 37 ID047 Dipopylfornamidine (110-18-6) 38 ID048 Dipopylfornamidine (110-18-6) 39 ID040 Dipopylfornamidine (110-18-6) 30 ID040 Dipopylfornamidine (110-18-6) 30 ID040 Dipopylfornamidine (110-18-6) 31 ID041 Dipopylfornamidine (110-18-6) 32 ID040 Dipopylfornamidine (110-18-6) 33 ID041 Dipopylfornamidine (110-18-6) 34 ID041 Dipopylfornamidine (110-18-6) 35 ID040 Dipopylfornamidine (110-18-6) 36 ID040 Dipopylfornamidine (110-18-6) 37 ID040 Dipopylfornamidine (110-18-6) 38 ID040 Dipopylfornamidine (110-18-6) 39 ID040 Dipopylfornamidine (110-18-6			19	1D019	Sodium cyanide	(143-33-9)
21 10021			20	1D020		(7681-49-4)
23 110023 hydrochloride (637-39-8) Trisopropy Trisopropy hybehate (116-17-6)			21	1D021		(16893-85-9)
23 10023 10024			22	1D022		(1313-82-2)
24 10024 phosphate (116-17-6) 25 10025 Diethylamine (109-89-7) 26 10026 dichlorophosphate 27 10027 Ethyl 1498-51-7 28 10028 dichlorophosphate 28 10028 difluorophosphate 29 10029 difluorophosphate 29 10029 difluorophosphate 30 10030 chlorophosphate 40 10040 dichlorofluorophosphate 40 10040 ethyl 589-57-1 40 40 40 40 40 10040 ethyl 40 10040 ethyl 670-61-8 41 10041 ethyl 670-61-8 42 10042 ethyl 670-61-8 43 10036 ethyl 670-61-8 44 10044 ethyl 670-61-8 45 10045 ethyl 670-61-8 46 670-61-8 ethyl 670-61-8 47 670-76-18 ethyl 670-61-8 48 670-61-8 ethyl 670-61-8 48 670-61-8 ethyl 670-61-8 49 10030 670-61-8 ethyl 670-61-8 40 10040 ethyl 670-61-8 41 10041 ethyl 670-61-8 42 10042 ethyl 670-61-8 43 10045 ethyl 670-61-8 44 10044 ethyl 670-61-8 45 10045 ethyl 670-61-8 46 10046 ethyl 670-61-8 47 10047 ethyl 670-61-8 48 10048 ethyl 670-61-8 49 10049 ethyl 670-61-8 40 10040 ethyl 670-61-8 40 10040			23	1D023	hydrochloride	(637-39-8)
26 110026 dichlorophosphate 677-24-7 12027 dichlorophosphate 1498-51-7 dichlorophosphate 1498-51-7 dichlorophosphate 22382-13-4 difluorophosphate 2405-26 difluorophosphate 2405-26 difluorophosphate 2405-26 difluorophosphate 2405-26 difluorophosphate 2405-26 difluorophosphate 2405-27-6 difluorophosphate 2405-27-8 dihorofluorophosphate 2405-42-7 dichlorofluorophosphate 2405-42-7 dichlorofl			24	1D024		(116-17-6)
26 ID026 dichlorophosphate 1498-51-7 dichlorophosphate 22382-13-4 dichlorophosphate 22382-13-4 difluorophosphate 22382-13-4 difluorophosphate 240 Ethyl 460-52-6 difluorophosphate 240 Ethyl 460-52-6 difluorophosphate 240 Dicthyl 589-57-1 chlorophosphate 240 Dicthyl 589-57-1 chlorophosphate 240 Dicthyl 589-57-1 chlorophosphate 240 Dicthyl 589-57-1 chlorophosphate 240 Dichyl 240			25	1D025		
10027 dichlorophosphate 22882-13-4 defilurophosphate 22882-13-4 defilurophosphate 240-52-6 difflurophosphate 259-57-1 dichlorophosphate 259-57-1 dichlorophosphate			26	1D026	dichlorophosphate	
28			27	1D027		1498-51-7
29 10029 difluorophosphate 589-57-1 30 10030 10030 Methyl chlorophosphate 784-01-8 31 10031 Methyl chlorofluorophosphate 784-01-8 32 10032 Ethyl chlorofluorophosphate 762-77-6 33 10033 Nimethylformamidine 4405-42-7 34 10034 Diethylformamidine 87522-08-8 35 10035 Dimethylformamidine 87522-08-8 36 10036 e Disopropylformamidine 87522-08-8 37 10037 N,N- Dimethylacetamidine 14277-06-6 38 10038 N,N- 1339586-99-0 39 10039 Dipropylacetamidine 14277-06-6 30 10040 N,N- Dimethylpropanamidine N,N- Dimethylprop			28	1D028	Methyl	22382-13-4
10030 chlorophosphite Methyl Me			29	1D029		460-52-6
31 1D031			30	1D030		589-57-1
Style="background-color: blue; color: blue			31	1D031	Methyl chlorofluorophosphate	754-01-8
33 1D033 N,N- 34205-42-7			32		Ethyl	762-77-6
34 1D034 Diethylformamidine N,N- 48044-20-8 Dipropylformamidine N,N- Diisopropylformamidine N,N- Diisopropylformamidine N,N- Diisopropylformamidine N,N- Diisopropylformamidine N,N- 14277-06-6 N,N- Dipropylacetamidine Dipropylacetamidine N,N- Dipropylacetamidine Dipropylacetamidine Dipropylacetamidine Dipropylacetamidine N,N- Dipropylacetamidine Dip			33	1D033	N,N- Dimethylformamidine	
35 1D035 Dipropylformamidine N,N- Diipropylformamidine 2909-14-0			34	1D034	Diethylformamidine	
1036 1036 1036 1036 1037 1037 1037 1037 1037 1037 1039			35	1D035	Dipropylformamidine	
N,N- 14277-06-6			36	1D036	Diisopropylformamidin	857522-08-8
10038 N,N- 14277-06-6 38 1D038 Diethylacetamidine 1339586-99-0 39 1D039 Dipropylacetamidine N,N- 1339586-99-0 40 1D040 Diethylpropanamidine 10040 N,N- 10040				E CEL	N,N-	2909-14-0
39 1D039 N,N- 1339586-99-0					N,N-	14277-06-6
N,N- Dimethylpropanamid ine N,N- Diethylpropanamid ine N,N- Diethylpropanamid ine N,N- Diethylpropanamid ine N,N- Diethylpropanamid ine N,N- Diprophypropanamid ine N,N- Diprophypropanamid ine N,N- Dimethylbutanamidi ine N,N- Diethylbutanamidi ine N,N- Diethylbutanamidi ine N,N- Diprophylbutanamidi ine N,N- Diproph				315.15	N,N-	1339586-99-0
40 1D040 ine				12005	N,N-	56776-14-8
1D041 Diethylpropanamidin e N,N- Diprophypropanamid ine N,N- Dimethylbutanamidi 1340437-35-5 Dimethylbutanamidi ne N,N- Diprophylbutanamidine N,N- Diprophylbutanamidi 1342422-35-8 Diprophylbutanamidi ne N,N- Diprophylbutanamidi N,N-			40	1D040	ine	84764-73-8
N,N- Diprophypropanamid ine N,N- Diprophypropanamid ine N,N- Dimethylbutanamidi N,N- Dimethylbutanamidi N,N- Diprophylbutanamidine N,N- Diprophylbutanamidi N,N- D			41	1D041	Diethylpropanamidin	
42 1D042 ine			11	10011	N,N-	
Dimethylbutanamidi ne			42	1D042	ine	
44 1D044 N,N- 53510-30-8			12	1D042	Dimethylbutanamidi	1.570451-55-5
N,N- 1342422-35-8 Diprophylbutanamidi ne 10045 ne					N,N-	53510-30-8
45 1D045 ne			44	11044	N,N-	1342422-35-8
46 1D046 N,N- 1315467-17-4			45	1D045	ne	
TO IDOTO			46	1D046	N,N-	1315467-17-4

					MIN		Diisopropylbutanami	
							N,N- Dimethylisobutanam	321881-25-8
					47	1D047	idine	
					48	1D048	N,N- Diethylisobutanamid ine	1342789-47-2
					49	1D049	N,N- Dipropylisobutanami	13422700-45-1
6.	Sub	2DViruses.	whether natural, enhanced or mo-	dified either in 21			dine	r modified eith
	Category 2D (Addition of Middle East respiratory syndrome	the form of living mater	risolated live cultures or as materi rial which has been deliberately in ed with such cultures, related tech	al including in noculated or in nology and in	the for the formal the contract	orm of isong living i	lated live cultures or as material which has been taminated with such cu	material deliberately
	coronavirus	2D001	African Horse Sickness virus		2D00	1 4	Frican Horse Sickness v	•80000
	(MERS-	2D001	African Swine Fever virus		2D00	I AI	rican riorse sickness v	irus
	CoV) at Sl. No. 2D031	2D002 2D003			2D002	2 Δ1	rican Swine Fever virus	
	and change	2D003	Avian influenza virus		2D00.		vian influenza virus	5
	in order of items (Sequence maintained in alphabetical		Note This includes only thos viruses of high pathogenicity World Organization for Anin the European Union (EU national regulatory bodies.	se Avian influer as defined by i nal Health (OI	2000.	No inj de Ar (E	othe This includes of fluenza viruses of hig fined by the World himal Health (OIE), the U), or competent n dies.	h pathogenicit Organization e European U
	order as	2D004	Blue tongue virus		2D004		ue tongue virus	
	international practice)	2D005	Camel pox virus	3	2D00	5 Ca	mel pox virus	
	P	2D006	Chikungunya virus		2D00	5 Ch	nikungunya virus	
		2D007	Crimean-Congo hemorrhagic	fever virus	2D00	7 Cr	imean-Congo hemorrha	agic fever virus
		2D008	Dengue virus		2D008	B De	engue virus	
		2D009	Eastern equine encephalitis vi	rus	2D009	e Ea	stern equine encephalit	is virus
		2D010	Ebolavirus: all members o genus	f the Ebolavii	2D010		oolavirus: all members nus	of the Ebola
		2D011	Encephalomyocarditis virus (2D01	En En	cephalomyocarditis vir	us (EMC)
		2D012 2D013	Foot and Mouth Disease vi- and subtypes) Guanarito virus		2D012	an	ot and Mouth Disease d subtypes)	virus (all serot
		2D013			2D013		ianarito virus	
			Goatpox virus		2D014		oatpox virus	
		2D015	Hantaan virus		2D015		antaan virus	
		2D016	Herpes virus simiae (monkey		2D016		erpes virus simiae (mon	
		2D017	Herpes ateles, Herpes saimiri	The second secon	2D017		erpes ateles, Herpes sair	
		2D018	HIV- 1 & HIV-2 and other str		2D018		V- 1 & HIV-2 and othe	
		2D019	Classical swine fever virus (H		2D019		assical swine fever v rus)	irus (Hog cho
		2D020	Human T-cell Leukemia virus		2D020		ıman T-cell Leukemia v	/irus
		2D021	Junin virus		2D021	Ju	nin virus	
		2D022	Japanese encephalitis virus		2D022	2 Jap	oanese encephalitis viru	S
		2D023	Kyasanur Forest Disease viru		2D023	8 K	yasanur Forest Disease	virus
		2D024	Korean hemorrhagic fever vir	1	2D024	K K	rean hemorrhagic fever	virus
		2D025	Lymphocytic choriomeningiti	s virus (LCM)	2D025	5 Ly	mphocytic choriomenia	ngitis virus (LC
		2D026	Lassa virus		2D026		ssa virus	
		2D027	Marburgvirus: all members of genus		2D027	Ma	arburgvirus: all member arburgvirus genus	
		2D028	Murray valley encephalitis vir	rus 2	2D028	Mı Mı	urray valley encephaliti	s virus
		2D029	Machupo virus	2	2D029) Ma	achupo virus	
		2D030	Mason-pfizer monkey virus	2	2D030) Ma	ason-pfizer monkey viru	us
				2	2D031	N	fiddle East respiratory s	syndrome

2D031 2D032	Monkey pox virus	2D032	Monkey pox virus
210032	Newcastle disease virus	2D033	Newcastle disease virus
20022			The state of the s
2D033	Omsk hemorrhagic fever virus	2D034	Omsk hemorrhagic fever virus
2D034	Peste des petits ruminant virus	2D035	Peste des petits ruminant virus
2D035 2D036	Teschen disease virus (Porcine entero virus type 1) Powassan virus	2D036 2D037	Teschen disease virus (Porcine entero virus type 1) Powassan virus
4.00		2D038	Rabies virus and other members of the
2D037 2D038	Rabies virus and other members of the Lyssavirus genus Respiratory syncitial virus	2D039	Lyssavirus genus Respiratory syncitial virus
2D039	Rift Valley Fever virus	2D040	Rift Valley Fever virus
2D040	Rinderpest virus	2D041	Rinderpest virus
2D040	Sabia virus	2D042	Sabia virus
2D041 2D042	Sheeppox virus	2D043	Sheeppox virus
Lancoura de la constante de la	There are the transfer of the control of the contro	2D044	Sin Nombre virus
2D043	Sin Nombre virus	2D045	Smallpox virus
2D044	Smallpox virus	2D046	St.Louisencephalitis virus
2D045	St.Louisencephalitis virus	2D047	Swine vesicular disease virus
2D046	Swine vesicular disease virus	2D048	Tick-borne encephalitis virus (Far Eastern
2D047	Tick-borne encephalitis virus (Far Eastern subtype)	2D049	subtype) (Reserved)
2D048	(Reserved)	2D050	Variola virus
2D049	Variola virus	2D051	Venezuelan equine encephalitis virus
2D050	Venezuelan equine encephalitis virus	2D052	Vesicular stomatitis virus
2D051	Vesicular stomatitis virus	2D053	Western equine encephalitis virus
2D052	Western equine encephalitis virus	2D054	Yellow fever virus
2D053	Yellow fever virus	2D055	Andes virus
2D054	Andes virus	2D056	Chapare virus
2D055	Chapare virus	2D057	Choclo virus
2D056	Choclo virus	2D058	Dobrava-Belgrade virus
2D057	Dobrava-Belgrade virus	2D059	Suidherpesvirus 1 (Pseudorabies virus;
2D058	Suidherpesvirus 1 (Pseudorabies virus; Aujeszky's disease)	2D060	Aujeszky's disease) Hendra virus (Equine morbillivirus)
2D059	Hendra virus (Equine morbillivirus)	2D061	Laguna Negra virus
2D060	Laguna Negra virus	2D062	Louping ill virus
2D061	Louping ill virus	2D063	Lujo virus
2D062	Lujo virus	2D064	Lumpy skin disease virus
2D063	Lumpy skin disease virus	2D065	(Reserved)
2D064	(Reserved)	2D066	Nipah virus
2D065	Nipah virus	2D067	Oropouche virus
2D066	Oropouche virus	2D068	(Reserved)
2D067	(Reserved)	2D069	Rocio virus
2D068	Rocio virus	2D070	Seoul virus
2D069	Seoul virus	2D071	Severe acute respiratory syndrome-related
2D070	Severe acute respiratory syndrome-related coronavirus (SARS-related coronavirus)	2D072	coronavirus (SARS-related coronavirus) Reconstructed 1918 influenza virus
2D071	Reconstructed 1918 influenza virus		

S. No.	Entry No. in SCOMET Control List	Existing entry in SCOME (as notified vide Noti No. 03 dated	T List d 24.04.2020)	Revised Entry in SCOMET List [The previous entries against relevant items shall be substituted as under in the SCOMET list:]
1	2	3		[Text highlighted in purple color has been added]
7.	Category 5A102 Addition of para and alignment in control text to bring clarity in scope of control under SCOMET Cat. 5A102	andnozzles; b. rocket staging mechanisms, mechanisms andinter-stages; c. Liquid, slurry and gel propellant oxidisers) control systems, and designedcomponents therefor, missiles and rockets, designed or reference.	separation separation (including specially usable in modified to	5A102 Subsystems and components usable in missiles and rocketsincluding: a. rocket motor cases, interior lining, insulation andnozzles; b. rocket staging mechanisms, separation mechanisms andinter-stages; c. Liquid, slurry and gel propellant (including oxidisers) control systems, and specially designed components therefor, usable in missiles and rockets, designed or modified to
		operate in vibration environments g 10 g rms between 20 Hz and 2 kHz.	greater than	operate in vibration environments greater than 10 grms between 20 Hz and 2 kHz.
		 The only servo valves, pumps and g specified in 5A102.c are the following specified in 5A102.c are the following or greater than 24 litres per mabsolute pressure equal to or greater than 100ms. Pumps, for liquid propellants, speeds equal to or greater than 8 the maximum operating moded discharge pressures equal to or greater than 8 the maximum operating moded turbopumps, with shaft speeds egreater than 8,000 rpm at the operating mode. Systems and components specifical ause may be exported as part of a definition of light weight, high heat capacity 3. Electronic equipment specially degreentry vehicles. 	ing: tes equal to inute, atan ater than 7 inse time of with shaft 0,000 rpmat or with treater than propellant qual to or maximum ted in this satellite; ding thereof, terials; f, fabricated materials;	1. The only servo valves, pumps and gas turbines specified in 5A102.c are the following: a. Servo valves designed for flow rates equal to or greater than 24 litres per minute, atan absolute pressure equal to or greater than 7 MPa, that have an actuator response time of less than 100ms. b. Pumps, for liquid propellants, with shaft speeds equal to or greater than 8,000 rpmat the maximum operating mode or with discharge pressures equal to or greater than 7 MPa c. Gas turbines, for liquid propellant turbopumps, with shaft speeds equal to or greater than 8,000 rpm at the maximum operating mode. 2. Systems and components specified in this clause may be exported as part of a satellite; d. re-entry vehicles and equipmentincluding 1. Heat-shields and components thereof, fabricated of ceramic orablative materials; 2. Heat sinks and components thereof, fabricated of light weight, high heat capacitymaterials; 3. Electronic equipment specially designed for re-entryvehicles.
		e. guidance systems and their compone gyros and inertial referenceunits; f. thrust-vector control subsystems methods of achieving thrust vector such as flexible nozzle, fluid or secon injection, movable engine or nozzle of exhaust gas stream (jet vanes or use of thrust tabs; g. hybrid rocket motors and component h. safing, arming, fusing and firing mech	including or control condary gas , deflection probes) and	e. guidance systems and their components such as gyros and inertial referenceunits; f. thrust-vector control subsystems including methods of achieving thrust vector control such as flexible nozzle, fluid or secondary gas injection, movable engine or nozzle, deflection of exhaust gas stream (jet vanes or probes) and use of thrust tabs; g.hybrid rocket motors and components thereof; h.safing, arming, fusing and firing mechanisms for weapons orwarhead.

		i. software specially designed for reduced observables such as radar reflectivity, ultraviolet/infrared signatures and acousticsignatures. j. Combustion chambers and nozzles for liquid propellant rocket engines or gel propellant rocket motors	software specially designed for reduced observables such as radar reflectivity, ultraviolet/infrared signatures and acousticsignatures. Combustion chambers and nozzles for liquid propellant rocket engines or gel propellant rocket motors
8.	New entry added at 5A102 (k) and (l)	New entry added at 5A102(k) and (l)	5A102 k. Turbojet and turbofan engines (including turbo compound engines). l. "Ramjet, Scramjet, pulse jet, combined cycle engines, including devices to regulate combustion, and specially designed components."
9.		5B Unmanned aerial vehicles including cruise missiles, target dronesandreconnaissance drones and related equipment, and specially designed componentstherefor: e. Light weightTurbojet / turbofan engines (including turbo compound engines).	5B Unmanned aerial vehicles including cruise missiles, target dronesandreconnaissance drones and related equipment, and specially designed componentstherefor: e. Light weightTurbojet and turbofan engines (including turbo compound engines).
10.		5B f. Ramjet / Scramjet / pulse jet/ combined cycle engines, including devices to regulate combustion, and specially designed components	f. "Ramjet, scramjet, pulse jet, detonation, or 'combined cycle' engines, including devices to regulate combustion, and specially designed components."
11.		5A203 Test benches/stands, usable for complete rocket systems and subsystems (including ballistic missile systems, space launch vehicles and sounding rockets) which have the capacity to handle solid or liquid propellant rockets, motors or engines, or which are capable of simultaneously measuring the three axial thrustcomponents.	5A203Test benches or test stands usable forcomplete rocket systems and subsystems (including ballistic missile systems, space launch vehicles and sounding rockets) which have the capacity to handle solid or liquid propellant rockets, motors or engines, or which are capable of simultaneously measuring the three axial thrustcomponents.
S. No.	Entry No. in SCOMET Control List	Existing entry in SCOMET List (as notified vide Noti No. 03 dated 24.04.2020)	Revised Entry in SCOMET List [The previous entries against relevant items shall be substituted as under in the SCOMET list:] [Text highlighted in purple color has been added]
1	2	3	4
12.		0B002.d .Tritium facilities or plants for the production recovery, extraction, concentration or handling of tritiun and equipment therefor including hydrogen or heliun refrigeration units; and hydrogen isotope storage o purification systems using metal hydrides as the storage o purification medium.	Tritium facilities or plants, and equipment therefor, as follows: 1. Facilities or plants for the production,
13.	0A302	0A.302 Nuclear grade graphite	0A302 Nuclear grade graphite
		Nuclear grade graphite having a purity level better than 5 parts per million (ppm) boron equivalent and with a density greater than 1.5 gram/cc -	Nuclear grade graphite having a purity level better than 5 parts per million (ppm) boron equivalent and with a density greater than 1.5 gram/cc, for use in a nuclear reactor or any other nuclear activities in quantities exceeding 1 kilogram.

exceeding 30 metric tons for any one recipient country within a period of one calendar year.

Note The item 0A302 does not cover graphite powder.

Note 1The item 0A302 does not cover graphite powder.

Note 2

For the purpose of export control, the Government will determine whether or not the exports of graphite meeting the above specifications are for nuclear reactor use Graphite having a purity level better than 5 ppm (parts per million) boron equivalent and with a density greater than 1.50 g/cm3 not for use in a nuclear reactor or any other nuclear activities is not covered by this paragraph.

Equivalent (BE) may experimentally or is calculated as the sum of BEz for impurities (excluding BEcarbon since carbon is not considered an impurity) including boron, where: BEz ppm = CF x concentration of element Z (in ppm); B x Az);σz x AB) divided by (σCF is the conversion factor: (z are the thermal neutron capture cross sections (in barns) for naturallyσB and σ occurring boron and element Z respectively; and AB and Az are the atomic masses of naturally occurring boron and element Z respectively

Change in Entry 0B003

at 0B003

0B003

Plants for reprocessing of irradiated nuclear fuel and Plants for reprocessing of irradiated nuclear fuel and equipment, components and systems especially designed, equipment, components and systems especially designed, prepared or adapted or used or intended to be used in such prepared or adapted or used or intended to be used in plants, including but not limited to: such plants, including but not limited to:

- designed for remote operation
- Dissolvers capable of withstanding hot and highly $b_{\scriptscriptstyle{\bullet}}$ corrosive liquid for dissolution of irradiated nuclear fuel and which can be remotely loaded and maintain
- Solvent extractors and solvent extraction c. equipment resistant to the corrosive effect of nitric acid
- Chemical holding or storage vessels resistant to d. the corrosive effect of nitric acid

- Irradiated fuel element chopping machines a. Irradiated fuel element decladding equipment and chopping machines: Remotely operated equipment especially designed or prepared for use in a reprocessing plant as identified above and intended to expose or prepare the irradiated nuclear material in fuel assemblies, bundles or rods for processing.
 - Dissolvers: Dissolver vessels or dissolvers employing mechanical devices especially designed or prepared for use in a reprocessing plant as identified above, intended for dissolution of irradiated nuclear fuel and which are capable of withstanding hot, highly corrosive liquid, and which can be remotely loaded, operated, and maintained.

Solvent extractors and solvent extraction equipment: Especially designed or prepared solvent extractors (such as packed or pulse columns, mixer settlers or centrifugal contactors) for use in a plant for the reprocessing of irradiated fuel. Solvent extractors must be resistant to the corrosive effect of nitric acid. Solvent extractors are normally fabricated to extremely high standards special welding and inspection and quality assurance and quality control techniques) out of low carbon stainless steels, titanium, zirconium, or other high quality materials.

Chemical holding or storage vessels: Especially designed or prepared holding or storage vessels for use in a plant for the reprocessing of irradiated fuel. The holding or storage vessels must be resistant to the corrosive effect of nitric acid. The holding or storage vessels are normally fabricated of materials such as low carbon stainless steels, titanium or zirconium, or other high quality materials. Holding or storage vessels may be designed for remote operation and maintenance and may have the following features for control of nuclear criticality:

		e. Neutron measurement systems for integration and use with automated process control systems for the reprocessing of irradiated fuel elements.	
		f. Industrial equipment including assemblies and components as follows: 1. High density (lead glass or other) radiation shielding windows 2. Radiation hardened TV cameras, or lenses therefor 3. 'Robots' or 'end effectors' especially designed for handling high explosives; and control units therefor 4. Remote manipulators that can be used to provide remote actions in radiochemical separation operations or hot cells	automated process control systems in a plant for the reprocessing of irradiated fuel elements. f. (Deleted)
15.	0A301(b) Entry (b) deleted	OA301 Deuterium and heavy water Deuterium, heavy water (deuterium oxide) and any other deuterium compound, in which the ratio of deuterium to hydrogen atoms exceeds 1:5000, a. for use in a nuclear reactor in quantities exceeding 5 kilograms of deuterium atoms in one consignment or 25 kilograms of deuterium atoms, for any one recipient country within a period of one calendar year; b. for use in a non-nuclear activity in quantities exceeding 200 kilograms of deuterium atoms, for any one recipient country within a period of one calendar year.	atoms, for any one recipient country within a period of one calendar year;
S. No.	Entry No. in SCOMET Control List	Existing entry in SCOMET List (as notified vide Noti No. 03 dated 24.04,2020)	Revised Entry in SCOMET List [The previous entries against relevant items shall be substituted as under in the SCOMET list:] [Text highlighted in purple color has been added]
1	2	3	4
16.	New Note 5 added to clarify applicability of 8A102.b.1		8A102 "Composite" structures or laminates, as follows: a. Made from any of the following: 1. An organic "matrix" and "fibrous or filamentary materials" specified by 8C110.c, 8C110.dor 2. Prepregs or preforms specified by 8C110.e; b. Made from a metal or carbon "matrix", and any of the following: 1. Carbon "fibrous or filamentary materials" having all of the following: a. A "specific modulus" exceeding 10.15 x 10 ⁶ m; and b. A "specific tensile strength" exceeding 17.7 x 104 m; or
		Note 1 8A102 does not apply to "composite" structures or laminates, made from epoxy resin impregnated carbon "fibrous or filamentary materials", for the repair of "civil aircraft" structures or laminates, having all of the	Materials specified by 8C110.c. Note 1 8A102 does not apply to "composite" structures or laminates, made from epoxy resin
		following: a. An area not exceeding 1 m2; b. A length not exceeding 2.5 m; and c. A width exceeding 15 mm. Note 2 8A102 does not apply to semi-finished items, specially designed for purely civilian applications as	impregnated carbon "fibrous or filamentary materials", for the repair of "civil aircraft" structures or laminates, having all of the following: a. An area not exceeding 1 m2; b. A length not exceeding 2.5 m; and c. A width exceeding 15 mm.

		Note 3 8A102.b.1. does not apply to semi-finished items containing a maximum of two	c. Machine tool industry; d. Medical applications.
		dimensions of interwoven filaments and specially designed for applications as follows: a. Metal heat-treatment furnaces for tempering metals;	Note 3 8A102.b.1. does not apply to semi-finished items containing a maximum of two dimensions of interwoven filaments and specially
		b. Silicon boule production equipment.	designed for applications as follows: a. Metal heat-treatment furnaces for tempering metals;
		Note 4 8A102 does not apply to finished items specially designed for a specific application.	b. Silicon boule production equipment.
			Note 4 8A102 does not apply to finished items specially designed for a specific application.
			Note 5 8A102.b.1. does not apply to mechanically chopped, milled, or cut carbon "fibrous or filamentary materials" 25.0 mm or less in length.
17.	Change in entry against 8A105.b.	8A105 Body armour and components therefor, as follows	8A105 Body armour and components therefor, as follows:
		a.Soft body armour not manufactured to military standards or specifications, or to their equivalents, and specially designed components therefor; b. Hard body armour plates providing ballistic protection equal to or less than level IIIA (NIJ 0101.06, July 2008)	a.Soft body armour not manufactured to military standards or specifications, or to their equivalents, and specially designed components therefor; b.Hard body armour plates providing ballistic protection equal to or less than level IIIA (NIJ 0101.06, July 2008),
		N.B.1. For "fibrous or filamentary materials" used in the manufacture of body armour, see 8C110.	or "equivalent standards". N.B.1. For "fibrous or filamentary materials" used in the manufacture of body armour, see 8C110.
		N.B.2. For body armour manufactured to military standards or specifications, see 6A013.d. Note 1 8A105 does not apply to body armour when	N.B.2. For body armour manufactured to military standards or specifications, see 6A013.d. Note 1 8A105 does not apply to body armour when
		accompanying its user for the user's own personal protection. Note 2 8A105 does not apply to body armour designed to	accompanying its user for the user's own personal protection. Note 2 8A105 does not apply to body armour designed
		provide frontal protection only from both fragment and blass from non-military explosive devices.	to provide frontal protection only from both fragment an blast from non-military explosive devices. Note 3 8A105 does not apply to body armour designed to provide protection only from knife, spike, needle or blunt trauma.
18.	Slight amendment in the entry 8A106	8A106 Equipment, specially designed or modified for the disposal of improvised explosive devices, as follows, and specially designed components and accessories therefor:	8A106 Equipment, specially designed or modified for the disposal of Improvised Explosive Devices (IEDs), as follows, and specially designed components and
		a. Remotely operated vehicles; b. 'Disruptors';	accessories therefor: a. Remotely operated vehicles; b. 'Disruptors';
		<u>Technical Note</u> 'Disruptors' – Devices specially designed for the purpose of	Technical Note For the purpose of 8A106.b., 'disruptors' are devices
		preventing the operation of an explosive device by projecting a liquid, solid or frangible projectile.	specially designed for the purpose of preventing the operation of an explosive device by projecting a liquid, solid or frangible projectile.
		N.B. For equipment specially designed for military use for the disposal of improvised explosive devices, see also 6A004.	N.B. For equipment specially designed for military use for the disposal of IEDs, see also 6A004.
		Note $8A106$ does not apply to equipment when accompanying its operator.	Note 8A106 does not apply to equipment when accompanying its operator.
19.	Change in the entry at 8B102	or alloyed materials, specially designed to avoid contamination and specially designed for use in one of the	Equipment designed to produce metal alloy powder or particulate materials and having all of the following: a. Specially designed to avoid contamination; and b. Specially designed for use in one of the processes specified by 8C102.c.2.
20.	New Entry and Technical Note added to	electromagnetic radiation, or intrinsically conductive polymers, as follows:	8C101 Materials specially designed for absorbing electromagnetic radiation, or intrinsically conductive polymers, as follows:
	8C101.a.	a. Materials for absorbing frequencies exceeding 2 x 108 Hz but less than 3 x 1012 Hz;	a. Materials for absorbing frequencies exceeding 2 x 108 Hz but less than 3 x 1012 Hz;
		Note 1: 8C101.a does not apply to:	Note 1: 8C101.a does not apply to:

- Hair type absorbers, constructed of natural or synthetic fibres, with non-magnetic loading to provide absorption;
- Absorbers having no magnetic loss and whose incident surface is non-planar in shape, including pyramids, cones, wedges and convoluted surfaces;
- Planar absorbers, having all of the following:

1. Made from any of the following: a. Plastic foam materials (flexible or non-flexible) with carbon-loading, or organic materials, including binders, providing more than 5% echo compared with metal over a bandwidth exceeding $\pm 15\%$ of the centre frequency of the incident energy, and not capable of withstanding temperatures exceeding 450 K (177° C); or

b. Ceramic materials providing more than 20% echo compared with metal over a bandwidth exceeding $\pm 15\%$ of the centre frequency of the incident energy, and not capable of withstanding temperatures exceeding 800 K (527°C);

- 2. Tensile strength less than 7 x 10 N/m; and
- 3. Compressive strength less than 14 x 10 N/m;
- d. Planar absorbers made of sintered ferrite, having all of the following:
- 1. A specific gravity exceeding 4.4; and
- 2. A maximum operating temperature of 548 K (275°C) or

- Hair type absorbers, constructed of natural or synthetic fibres, with non-magnetic loading to provide absorption;
- Absorbers having no magnetic loss and whose incident surface is non-planar in shape, including pyramids, cones, wedges and convoluted surfaces Planar absorbers, having all of the following:

1. Made from any of the following: a. Plastic foam materials (flexible or non-flexible) with carbon-loading, or organic materials, including binders, providing more than 5% echo compared with metal over a bandwidth exceeding $\pm 15\%$ of the centre frequency of the incident energy, and not capable of withstanding temperatures exceeding 450 K (177° C); or

b. Ceramic materials providing more than 20% echo compared with metal over a bandwidth exceeding $\pm 15\%$ of the centre frequency of the incident energy, and not capable of withstanding temperatures exceeding 800 K (527°C);

- 2. Tensile strength less than 7 x 10 N/m; and
- 3. Compressive strength less than $14 \times 10^{\circ}$ N/m²;
- d. Planar absorbers made of sintered ferrite, having all of the following: 1. A specific gravity exceeding 4.4; <u>and</u>
- 2. A maximum operating temperature of 548 K (275°C) or less:
- e. Planar absorbers having no magnetic loss and fabricated from 'open-cell foam' plastic material with a density of 0.15 grams/cm3 or less.

Technical Note

'Open-cell foams' are flexible and porous materials, having an inner structure open to the atmosphere. 'Opencell foams' are also known as reticulated foams.

Note 2: Nothing in Note 1 releases magnetic materials to provide absorption when contained in paint.

Technical Note changed in 8C102

Metal alloys, metal alloy powder and alloyed materials, as follows:

(See Commodity Identification Note 1 of SCOMET list) 8C102 does not apply to metal alloys, metal alloy powder andalloyed materials, specially formulated for coating purposes.

Technical Notes

- 1. The metal alloys in 8C102 are those containing a higher percentage by weight of the stated metal than of any other
- element. 2. Stress-rupture life' should be measured in accordance with ASTM standard E-139. 3. 'Low cycle fatigue life' should be measured in accordance
- with ASTM Standard E-606 'Recommended Practice for Constant-Amplitude Low-Cycle Fatigue Testing' or national equivalents. Testing should be axial with an average stress ratio equal to 1 and a stress-concentration factor (Kt) equal Testing' or national equivalents. Testing should be axial to 1. The average stress ratio is defined as maximum stress minus minimum stress divided by maximum stress.

8C102

Metal alloys, metal alloy powder and alloyed materials, as follows:

(See Commodity Identification Note 1 of SCOMET list) 8C102 does not apply to metal alloys, metal alloy powder andalloyed materials, specially formulated for coating purposes.

Technical Notes

1. The metal alloys in 8C102 are those containing a higher percentage by weight of the stated metal than of any other element.

2. Stress-rupture life' should be measured in accordance with ASTM standard E-139.

3.'Low cycle fatigue life' should be measured in accordance with ASTM Standard E-606 'Recommended Practice for Constant-Amplitude Low-Cycle Fatigue with an average stress ratio equal to 1 and a stressconcentration factor (Kt) equal to 1. The average stress ratio is defined as maximum stress minus minimum stress divided by maximum stress.

Change in 8C106.d.

8C106

Fluids and lubricating materials, as follows:

- a. (Reserved)
- b. Lubricating materials containing, as their principal

Fluids and lubricating materials, as follows:

- a. (Reserved)
- Lubricating materials containing, as their principal

ingredients, any of the following: ingredients, any of the following: 1. Phenylene or alkylphenylene ethers or thio-ethers, or their 1. Phenylene or alkylphenylene ethers or thio-ethers, or mixtures, containing more than two ether or thio-ether their mixtures, containing more than two ether or thiofunctions or mixtures thereof; or ether functions or mixtures thereof; or 2. Fluorinated silicone fluids with a kinematic viscosity of 2. Fluorinated silicone fluids with a kinematic viscosity less than 5,000 mm2/s (5,000 centistokes) measured at 298 of less than 5,000 mm2/s (5,000 centistokes) measured at K (25°C); 298 K (25°C): c. Damping or flotation fluids having all of the following: c. Damping or flotation fluids having all of the following: 1. Purity exceeding 99.8%; 1. Purity exceeding 99.8%; 2. Containing less than 25 particles of 200 µm or larger in 2. Containing less than 25 particles of 200 µm or larger in size per 100 ml; and size per 100 ml; and 3. Made from at least 85% of any of the following: 3. Made from at least 85% of any of the following: a. Dibromotetrafluoroethane (CAS 25497-30-7, 124-73-2, 27336-23-8); Dibromotetrafluoroethane (CAS 25497-30-7, 124-73-27336-23-8); b. Polychlorotrifluoroethylene (oily and waxy modifications b. Polychlorotrifluoroethylene (oily and waxy only); or modifications only); or c. Polybromotrifluoroethylene; c. Polybromotrifluoroethylene; Fluorocarbon fluids designed for electronic cooling and d. Fluorocarbon fluids designed for electronic cooling and having all of the following: having all of the following: Containing 85% by weight or more of any of the Containing 85% by weight or more of any of following, or mixtures thereof: the following, or mixtures thereof: a. Monomeric forms of perfluoropolyalkylethera. Monomeric forms of perfluoropolyalkylethertriazines or perfluoroaliphatic-ethers; b. Perfluoroalkylamines; triazines or perfluoroaliphatic-ethers; Perfluoroalkylamines; Perfluorocycloalkanes; or Perfluorocycloalkanes; or Perfluoroalkanes; Perfluoroalkanes; d. 2. Density at 298 K (25°C) of 1.5 g/ml or more; Density at 298 K (25°C) of 1.5 g/ml or more; 3. In a liquid state at 273 K (0°C); and In a liquid state at 273 K (0°C); and 4. Containing 60% or more by weight of fluorine. Containing 60% or more by weight of fluorine. 4. 8C106.d. does not apply to materials specified and Note Note 8C106.d. does not apply to materials specified packaged as medical products. and packaged as medical products. Change in 8C110 Organic "fibrous or filamentary materials", 8C110 Organic "fibrous a. filamentary or 8C110.c and having all of the following: materials", having all of the following: "Specific modulus" exceeding 12.7 x 106 m; "Specific modulus" exceeding 12.7 x 10⁶ m; and and 2. "Specific 23.5 x 10⁴ m; 2. "Specific tensile strength" exceeding 23.5 x 10⁴ m; tensile strength" 8C110.a does not apply to polyethylene. 8C110.a does not apply to polyethylene. Note Note Carbon "fibrous or filamentary materials". Carbon "fibrous filamentary or having all of the following: materials", having all of the following: "Specific modulus" exceeding 14.65 x 106 "Specific modulus" exceeding 14.65 106 m; and m; and "Specific tensile strength" exceeding 26.82 "Specific tensile strength" exceeding x 10⁴ m; $26.82 \times 10^4 \text{ m}$; Note 8C110.b does not apply to: 8C110.b does not apply to: Note "Fibrous or filamentary materials", for the repair of "civil aircraft" structures or laminates, "Fibrous or filamentary materials", for the repaira. of "civil aircraft" structures or laminates, having all of the following: having all of the following: An area not exceeding 1 m²; An area not exceeding 1 m^2 ; A length not exceeding 2.5 m; and A length not exceeding 2.5 m; and A width exceeding 15 mm. 3. A width exceeding 15 mm. Mechanically chopped, milled or cut carbon Mechanically chopped, milled or cut carbon "fibrous or filamentary materials" 25.0 mm or "fibrous or filamentary materials" 25.0 mm or less in length less in length. c. Inorganic "fibrous or filamentary materials", having all of the following:

1. "Specific modulus" exceeding 2.54 x 106 m; and Inorganic "fibrous or filamentary materials", having all of the following: 2. Melting, softening, decomposition or sublimation point exceeding 1,922 K (1,649°C) in an inert environment; Having any of the following: a. Composed of 50% or more by weight silicon dioxide and having a "specific modulus" exceeding 2.54 x 106 Not specified in 1.C.10.c.1.a. and having a "specific

		modulus" exceeding 5.6 x 106 m; and
	Note 8C110.c does not apply to: a. Discontinuous, multiphase, polycrystalline alumina fibres in chopped fibre or random mat form, containing 3% by weight or more silica, with a "specific modulus" of less than 10 x 106 m; b. Molybdenum and molybdenum alloy fibres; c. Boron fibres; d. Discontinuous ceramic fibres with a melting, softening, decomposition or sublimation point lower than 2,043 K (1,770°C) in an inert environment.	2. Melting, softening, decomposition or sublimation point exceeding 1,922 K (1,649°C) in an inert environment
24. Changes in 8A201 1.	8A201 1. Anti-friction bearings and bearing systems, as follows, and components therefor:	8A201 1. Anti-friction bearings, bearing systems and components, as follows:
	Note 8A201 does not apply to balls with tolerances specified by the manufacturer in accordance with ISO 3290:2001 as grade G5 (or national equivalents) or worse. a. Ball bearings and solid roller bearings, having all tolerances specified by the manufacturer in accordance with ISO 492 Tolerance Class 4, or better, and having both 'rings' and 'rolling elements' (ISO 5593), made from monel or beryllium; Note 8A201.a does not apply to tapered roller bearings.	a. Ball bearings and solid roller bearings, having all tolerances specified by the manufacturer in accordance with ISO 492 Tolerance Class 4 or Class 2 (or national equivalents), or better, and having both 'rings' and 'rolling elements', made from monel or beryllium;
	Technical Notes 1. 'Ring' - annular part of a radial rolling bearing incorporating one or more raceways (ISO 5593:1997). 2. 'Rolling element'- ball or roller which rolls between raceways (ISO 5593:1997).	Technical Notes 1. 'Ring' - annular part of a radial rolling bearing incorporating one or more raceways (ISO 5593:1997). 2. 'Rolling element'- ball or roller which rolls between raceways (ISO 5593:1997).
	b. (Reserved)	b. (Reserved)
	c. Active magnetic bearing systems using any of the following: 1. Materials with flux densities of 2.0 T or greater and yield strengths greater than 414 MPa; 2. All-electromagnetic 3D homopolar bias designs for actuators; or 3. High temperature (450 K (177°C) and above) position sensors.	c. Active magnetic bearing systems using any of the following, and specially designed components therefor: 1. Materials with flux densities of 2.0 T or greater and yield strengths greater than 414 MPa; 2. All-electromagnetic 3D homopolar bias designs for actuators; or 3. High temperature(450 K (177°C) and above) position sensors.
25. Change in entry at 8A201.c.	8A201.c Active magnetic bearing systems using any of the following: 1. Materials with flux densities of 2.0 T or greater and yield strengths greater than 414 MPa; 2. All-electromagnetic 3D homopolar bias designs for actuators; or 3. High temperature (450 K (177°C) and above) position sensors.	8A201.cActive magnetic bearing systems using any of the following, and specially designed components therefor: 1. Materials with flux densities of 2.0 T or greater and yield strengths greater than 414 MPa; 2. All-electromagnetic 3D homopolar bias designs for actuators; or greater and above) position sensors.
26. New Note 4 is added to 8B201	8B201 1. Machine tools and any combination thereof, for removing (or cutting) metals, ceramics or "composites", which, according to the manufacturer's technical specification, can be equipped with electronic devices for "numerical control", as follows: Note 1 8B201 does not apply to special purpose	8B201 1. Machine tools and any combination thereof, for removing (or cutting) metals, ceramics or "composites", which, according to the manufacturer's technical specification, can be equipped with electronic devices for "numerical control", as follows:
	machine tools limited to the manufacture of gears. For such machines, see 8B203.	Note 1 8B201 does not apply to special purpose machine tools limited to the manufacture of Page 13 of 26

gears. For such machines, see 8B203. Note 2 8B201 does not apply to special purpose machine tools limited to the manufacture of Note 2 8B201 does not apply to special purpose any of the following: machine tools limited to the manufacture of a. Crank shafts or cam shafts: any of the following: b. Tools or cutters; a. Crank shafts or cam shafts; c.Extruder worms; b. Tools or cutters: d.Engraved or facetted jewellery parts; or c.Extruder worms; e. Dental prostheses: d.Engraved or facetted jewellery parts; or e.Dental prostheses; Note 3 A machine tool having at least two of the three turning, milling or grinding capabilities (e.g., a Note 3 A machine tool having at least two of the three turning, milling or grinding turning machine with milling capability), must be evaluated against each applicable entry capabilities (e.g., a turning machine with 8B201.a, b. or c. milling capability), must be evaluated against each applicable entry 8B201.a, b. or C. Note 4 A machine tool having an additive manufacturing capability in addition to a turning, milling or grinding capability must be evaluated against each applicable entry 8B201.a., b. or c. Change in 8B301 h. Multi-layer masks with a phase shift layer not 8B301.h. Multi-layer masks with a phase shift layer not 8B301.h. and specified by 8B301.g. and designed to be used by specified by 8b301.g. and designed to be used by note bene added lithography equipment having a light source wavelength less lithography equipment having a light source wavelength than 245 nm; less than 245 nm; Note 8B301.h. does not apply to multi-layer masks with a 8B301.h. does not apply to multi-layer masks phase shift layer designed for the fabrication of memory with a phase shift layer designed for devices not specified by 8A301. the fabrication of memory devices not specified by 8A301. For masks and reticles, specially designed for optical sensors, see 8B602. 28. Change in 8D3038D303 'Physics-based' simulation "software" specially 8D303'Computational lithography' "software" specially and old technical designed for the "development" of lithographic, etching or designed for the "development" of patterns on EUVnote deleted new deposition processes for translating masking patterns into lithography masks or reticles. technical added specific topographical patterns in conductors, dielectrics or semiconductor materials. Technical Note 'Computational lithography' is the use of computer Technical Note modelling to predict, correct, optimise and verify imaging 'Physics-based' in 8D303 means using computations to performance of the lithography process over a range of determine a sequence of physical cause and effect events patterns, processes, and system conditions. based on physical properties (e.g., temperature, pressure, diffusion constants and semiconductor materials properties). Libraries, design attributes or associated data for the design of semiconductor devices or integrated circuits are considered as "technology". Change in note 2 8E302 8E302 and 3 and a. A 'vector processor unit' designed to perform A 'vector processor unit' designed to perform technical note is more than two calculations on 'floatingmore than two calculations on floating-point vectors added to 8E302 (one-dimensional arrays of 32-bit or larger numbers) point' vectors (one-dimensional arrays of 32simultaneously; bit or larger numbers) simultaneously; Technical Note Technical Note A 'vector processor unit' is a processor element with A 'vector processor unit' is a processor element with built-in instructions that built-in instructions that perform multiple calculations on floating-point vectors (oneperform multiple calculations on 'floatingdimensional arrays of 32-bit or larger numbers) point' vectors (one-dimensional arrays of simultaneously, having at least one vector arithmetic 32-bit or larger numbers) simultaneously, logic unit and vector registers of at least 32 having at least one vector arithmetic logic elements each. unit and vector registers of at least 32 elements each. b. Designed to perform more than four 64-bit or b. Designed to perform more than four 64larger floating-point operation results per cycle; or bit or larger 'floating-point' operation results per cycle; or c. Designed to perform more than eight 16-bit fixed-

point multiply-accumulate results per cycle (e.g., c. Designed to perform more than eight 16digital manipulation of analogue information that bit 'fixed-point' multiply-accumulate results has been previously converted into digital form, also per cycle (e.g., digital manipulation of analogue information that has been known as digital "signal processing"). previously converted into digital form, also known as digital "signal processing"). Note 1 8E302 does not apply to "technology" for multimedia Note 1 8E302 does not apply to "technology" for Note 28E302 does not apply to "technology" for micromultimedia extensions. processor cores, having all of the Note 28E302 does not apply to "technology" for micro-processor cores, having all of the a Using "technology" at or above 0.130 μm; and following: b. Incorporating multi-layer structures with five or fewer Using "technology" at or above 0.130 µm; and Incorporating multi-layer structures with five or fewer metal layers. Note 38E302 includes "technology" for the "development" or "production" of digital signal processors and digital array Note 38E302 includes "technology" for the "development" or "production" of digital signal processors and digital array processors. Technical Notes 1. For the purpose of 8E302.a. and 8E302.b., floating-point is defined by IEEE-754. For the purpose of 8E302.c., 'fixed-point' refers to a fixed-width real number with both an integer component and a fractional component, and which does not include integer-only formats. New entry added Not exist. New Entry at 8E304 added "Technology" "required" for the slicing, as 8E304 grinding and polishing of 300 mm diameter silicon wafers toachieve a'Site Front least sQuares Range' ('SFQR') less than or equal to 20 nm at any site of 26 mm x 8 mm on the front surface of the wafer and an edge exclusion less than or equal to 2 mm. Technical Note For the purpose of 8E304, 'SFQR' is the range of maximum deviation and minimum deviation from front reference plane, calculated by least square method with all front surface data including site boundary within a site. Change in 8E401 "Technology" as follows: 8E401 "Technology" as follows: 8E401.c. (Note 1)a. "Technology" according to the General Technology Note, a. "Technology" according to the General Technology Note, for the "development", "production" or "use" of equipment or "software" and Technical for the "development", "production" or "use" of equipment Notes- deleted or "software" specified by 8A4 or 8D4. specified by 8A4 or 8D4.

b. "Technology" according to the General Technology Note, other than that specified by b. "Technology" according to the General Technology Note, other than that specified by 8E401.a., for the "development" 8E401.a., for the "development" or "production" of or "production" of equipment as follows: equipment as follows: "Digital computers" having an 'Adjusted Peak 1. "Digital computers" having an 'Adjusted Peak Performance' ('APP') exceeding 8.0 Performance' ('APP') exceeding 8.0 Weighted TeraFLOPS (WT); 2. "Electronic assemblies" specially designed or modified Weighted TeraFLOPS (WT);
2. "Electronic assemblies" specially designed or for enhancing performance by aggregation of processors so modified for enhancing performance by that the 'APP' of the aggregation exceeds the limit in aggregation of processors so that the 'APP' 8E401.b.1. of the aggregation exceeds the limit in 8E401 b 1 for the "development" c. "Technology" c. "Technology" for the "development" of "intrusion "intrusion software". Note 1: 8E401.a and 8E401.c do not apply to 'vulnerability Note 1: 8E401.a and 8E401.c do not apply to disclosure' or 'cyber incident response'. "vulnerability disclosure" or incident response" Note 2 Note 1 does not diminish national authorities' rights Note 2 Note 1 does not diminish national to ascertain compliance with 8E401.a and 8E401.c

ascertain

authorities' rights

	Technical Notes 1. 'Vulnerability disclosure' means the process of identifying, reporting, or communicating a vulnerability to, or analysing a vulnerability with, individuals or organizations responsible for conducting or coordinating remediation for the purpose of resolving the vulnerability. 2. 'Cyber incident response' means the process of exchanging necessary information on a cyber security incident with individuals or organizations responsible for conducting or coordinating remediation to address the cyber security incident.	compliance with 8E401.a and 8E401.c. <u>Technical Notes</u> - Deleted
32. Changes in 8A501.h.1	8A501.h. Counter Improvised Explosive Device (IED) equipment and related equipment, as follows: 1. Radio Frequency (RF) transmitting equipment, not specified by 8A501.f, designed or modified for prematurely activating or preventing the initiation of Improvised Explosive Devices; 2. Equipment using techniques designed to enable radio communications in the same frequency channels on which co-located equipment specified by 8A501.h.1 is transmitting.	 8A501.h.Counter Improvised Explosive Device (IED) equipment and related equipment, as follows: 1. Radio Frequency (RF) transmitting equipment, not specified by 8A501.f, designed or modified for prematurely activating or preventing the initiation of Improvised Explosive Devices (IEDs); 2. Equipment using techniques designed to enable radio communications in the same frequency channels on which co-located equipment specified by 8A501.h.1 is transmitting.
	N.B. See also Category 6.	N.B. See also Category 6.
33. Changes in 8A501.j.2.a and technical note is deleted	or equipment, and specially designed components therefor, having all of the following: 1. Performing all of the following on a carrier class IP network (e.g., national grade IP backbone): a. Analysis at the application layer (e.g., Layer 7 of Open Systems Interconnection (OSI) model (ISO/IEC 7498-1)); b. Extraction of selected metadata and application content (e.g., voice, video, messages, attachments); and	8A501 j.IP network communications surveillance systems or equipment, and specially designed components therefor, having all of the following: 1. Performing all of the following on a carrier class IP network (e.g., national grade IP backbone): a. Analysis at the application layer (e.g., Layer 7 of Open Systems Interconnection (OSI) model (ISO/IEC 7498-1)); b. Extraction of selected metadata and application content (e.g., voice, video, messages, attachments);
	2. Being specially designed to carry out all of the following: a. Execution of searches on the basis of 'hard selectors'; and b. Mapping of the relational network of an individual or of a group of people. Note 8A501.j does not apply to systems or equipment, specially designed for any of the following: a. Marketing purpose; b. Network Quality of Service (QoS); or c. Quality of Experience (QoE).	following: a.Execution of searches on the basis of "hard selectors"; and b. Mapping of the relational network of an individual or of a group of people. Note 8A501.j does not apply to systems or equipment, specially designed for any of the following: Marketing purpose; Network Quality of Service (QoS); or Quality of Experience (QoE).
34. New entry at 8D501.e. added	number or group affiliations). New Entry at 8D501.e added	8D501 e. "Software", other than that specified by 8D501.a. or 8D501.c., specially designed or modified for monitoring or analysis by law enforcement, providing all of the following: 1. Execution of searches on the basis of "hard selectors" of either the content of communication or metadata acquired from a communications service provider using a 'handover interface'; and Technical Notes

		across which targeted interception measures are requested from a communications service provider and the results of interception are delivered from a communications service provider to the requesting authority. The 'handover interface' is implemented within systems or equipment (e.g., mediation devices) that receive and validate the interception request, and deliver to the requesting authority only the results of interception that fulfil the validated request. 2. 'Handover interfaces' may be specified by international standards (including but not limited to ETSI TS 101 331, ETSI TS 101 671, 3GPP TS 33.108) or national equivalents. 2. Mapping of the relational network or tracking the movement of targeted individuals based on the results of searches on content of communication or metadata or searches as described in5.D.1.e.1. Note 8D501.e does not apply to "software" specially designed or modified for any of the following: a. Billing purposes; b. Network Quality of Service (QoS); c. Quality of Experience (QoE); d. Mediation devices; or e. Mobile payment or banking use.
Entry at 8E501.a. amended	8E501 "Technology" as follows: a. "Technology" according to the General Technology Note for the "development", "production" or "use" (excluding operation) of equipment, functions or features specified by 8A501 or "software" specified by 8D501.a;	8E501 "Technology" as follows: a. "Technology" according to the General Technology Note for the "development", "production" or "use" (excluding operation) of equipment, functions or features specified by 8A501 or "software" specified by 8D501.a. or
	b. Specific "technology" as follows: 1. "Required" "technology" for the "development" or "production" of telecommunications equipment specially designed to be used on board satellites; 2. "Technology" for the "development" or "use" of "laser"	8D501.e.; b.Specific "technology" as follows: 1."Required" "technology" for the "development" or "production" of telecommunications equipment specially designed to be used on board satellites; 2."Technology" for the "development" or "use" of
	communication techniques with the capability of automatically acquiring and tracking signals and maintaining communications through exoatmosphere or sub- surface (water) media;	"laser" communication techniques with the
Entry at 8A502.a. amended	8A502"Information security" systems, equipment and components, as follows: N.B. For "satellite navigation system" receiving equipment containing or employing decryption see 8A705., and for related decryption "software" and "technology" see 8D705., and 8E701.	8A502"Information security" systems, equipment and components, as follows: N.B. For "satellite navigation system" receiving equipment containing or employing decryption see 8A705., and for related decryption "software" and "technology" see 8D705., and 8E701.
	a. Designed or modified to use 'cryptography for data confidentiality' having a 'described security algorithm', where that cryptographic capability is usable, has been activated, or can be activated by means of "cryptographic activation" not employing a secure mechanism, as follows:	a. Designed or modified to use 'cryptography for data confidentiality' having a 'described security algorithm', where that cryptographic capability is usable, has been activated, or can be activated by any means other than secure "cryptographic activation", as follows:
	Remaining below entries under this sub-categories shall remain unchanged	Remaining below entries under this sub-categories shall remain unchanged
Change in 8A502.a. Note 2.f.	8A502.a. Note 2.f. Items, where the "information security" functionality is limited to wireless "personal area	8A502.a. Note 2.f. Items, where the "information security" functionality is limited to wireless "personal area network" functionality

		network" functionality, meeting all of the following: 1. Implement only published or commercial cryptographic standards; and 2. The cryptographic capability is limited to a nominal operating rangenot exceeding 30 metres according to the manufacturer 'sspecifications, or not exceeding 100 metres according to themanufacturer's specifications for equipment that cannot interconnectwith more than seven devices;	implementing only published or commercial cryptographic standards retrieve binary data from a;
38.	Entry at 8A502.a. Note h. amended	8A502.a. Note h Routers, switches or relays, where the "information security" functionality is limited tothe tasks of "Operations, Administration or Maintenance" ("OAM") implementing onlypublished or commercial cryptographic standards;	8A502.a. Note h Routers, switches, gateways or relays, where the "information security" functionality is limited to the tasks of "Operations, Administration or Maintenance" ("OAM") implementing only published or commercial cryptographic standards
39.	New Entry addedat 8A504.b.	New Entryat 8A504.b added.	8A504.b. Items, not specified by 8A405 or 8A504.a., designed to perform all of the following: 1. 'Extract raw data' from a computing or communications device; and 2. Circumvent "authentication" or authorisation controls of the device, in order to perform the function described in 8A504.b.1. Technical Note 'Extract raw data' from a computing or communications device means to retrieve binary data from a storage medium, e.g. RAM, flash or hard disk, of the device without interpretation by the device's operating system or file system. Note 1 8A504.b. does not apply to systems or equipment specially designed for the "development" or "production" of a computing or communications device. Note 2 8A504.b. does not include: a. Debuggers, hypervisors; b. Items limited to logical data extraction; c. Data extraction items using chip-off or JTAG; or d. Items specially designed and limited to jail-breaking or rooting.
40.	amended	8D502 "Software" as follows: a. "Software" specially designed or modified for the "development", "production" or "use" of any of the following: 1. Equipment specified by 8A502 or "software" specified by 8D502.c.1; 2. Equipment specified by 8A503 or "software" specified by 8D502.c.2; or 3. Equipment specified by 8A504 or "software" specified by 8D502.c.3; b. "Software" having the characteristics of a 'cryptographic activation token' specified by 8D502.b. c. "Software" having the characteristics of, or performing or simulating the functions of, any of the following: 1. Equipment specified by 8A502.a., 8A502.c., 8A502.d. or 8A502.e.; Note 8D502.c.1. does not apply to "software" limited to the tasks of "OAM" implementing only published or commercial cryptographic standards. 2. Equipment specified by 8A503; or 3. Equipment specified by 8A504. d. (Reserved)	a. "Software" as follows: a. "Software" specially designed or modified for the "development", "production" or "use" of any of the following: 1. Equipment specified by 8A502 or "software" specified by 8D502.c.1; 2. Equipment specified by 8A503 or "software" specified by 8D502.c.2; or 3. Equipment or "software", as follows: a. Equipment specified by 8A504.a. or "software" specified by 8D502.c.3.a.; b. Equipment specified by 8D502.c.3.b.; b. "Software" specified by 8D502.c.3.b.; b. "Software" having the characteristics of a 'cryptographic activation token' specified by 8D502.b. c. "Software" having the characteristics of, or performing or simulating the functions of, any of the following: 1. Equipment specified by 8A502.a., 8A502.c., 8A502.d. or 8A502.e.; Note 8D502.c.1. does not apply to "software" limited to the tasks of "OAM" implementing only published or commercial cryptographic standards.

			Equipment specified by 8A503; or Equipment, as follows: a. Equipment specified by 8A504.a.; b. Equipment specified by 8A504.b. Note 8D502.c.3.b. does not apply to "intrusion software".
41.	8D502.c.3	8D502.c3. Equipment specified by 8A504.	8D502.c.3. Equipment, as follows: a. Equipment specified by 8A504.a.; b. Equipment specified by 8A504.b. Note 8D502.c.3.b. does not apply to "intrusion software".
42.	Change in 8E502.a.	8E502 "Technology" as follows: a. "Technology" according to the General Technology Note for the "development", "production" or "use" of equipment specified by 8A502, 8A503, 8A504 or 8B502, or of "software" specified by 8D502.a or 8D502.c; b. "Technology" having the characteristics of a 'cryptographic activation token' specified by 8E502.b.;	8E502 "Technology" as follows: "Technology" according to the General Technology Note for the "development", "production" or "use" of equipment specified by 8A502, 8A503,8A504 or 8B502, or of "software" specified by 8D502.a or 8D502.c; Note 8E502.a. does not apply to "technology" for items specified by 8A504.b.,8D502.a.3.b. or 8D502.c.3.b.
43.	8A604.c.4	8A604.c.4 c. "Space-qualified" components for optical systems, as follows: 1. Components lightweighted to less than 20% "equivalent density" compared with a solid blank of the same aperture and thickness; 2. Raw substrates, processed substrates having surface coatings (single-layer or multi-layer, metallic or dielectric, conducting, semiconducting or insulating) or having protective films; 3. Segments or assemblies of mirrors designed to be assembled in space into an optical system with a collecting aperture equivalent to or larger than a single optic 1 m in diameter; 4. Components manufactured from "composite" materials having a coefficient of linear thermal expansion equal to or less than 5 x 10-6 in any coordinate direction;	8A604.c.4 c. "Space-qualified" components for optical systems, a follows: 1. Components lightweighted to less than 20% "equivalent density" compared with a solid blank of the same aperture and thickness; 2. Raw substrates, processed substrates having surface coatings (single-layer or multi-layer, metallic or dielectric, conducting, semiconducting or insulating) or having protective films; 3. Segments or assemblies of mirrors designed to be assembled in space into an optical system with a collecting aperture equivalent to or larger than a single optic 1 m in diameter; 4. Components manufactured from "composite" materials having a coefficient of linear thermal expansion, in any coordinate direction, equal to or less than 5 x 10-6/K;
44.	Changes in entr at 8A605.a.6.a	y8a605. a. 6. Output wavelength exceeding 975 nm but not exceeding 1,150 nm and any of the following: a. 'Single transverse mode' output and any of the following: 1. Average output power exceeding 1,000 W; or 2. Having all of the following: a. Average output power exceeding 500 W; and b. Spectral bandwidth less than 40 GHz; or	8A605.a. 6.Output wavelength exceeding 975 nm but not exceeding 1,150 nm and any of the following: a. 'Single transverse mode' output and any of the following: 1. Output power exceeding 1,000 W; or 2. Having all of the following: a. Output power exceeding 500 W; and b. Spectral bandwidth less than 40 GHz; or
45.	8A605.a.6.b. Technical Note deleted	8A605.a. 6.8A605.a. 6. Output wavelength exceeding 975 nm but not exceeding 1,150 nm and any of the following: a. 'Single transverse mode' output and any of the following: 1. Average output power exceeding 1,000 W; or 2. Having all of the following: a. Average output power exceeding 500 W; and b. Spectral bandwidth less than 40 GHz; or b. 'Multiple transverse mode' output and any of the following:	8A605.a. 6. Output wavelength exceeding 975 nm but not exceeding 1,150 nm and any of the following: a. 'Single transverse mode' output and any of the following: 1. Output power exceeding 1,000 W; or 2. Having all of the following: a. Output power exceeding 500 W; and b. Spectral bandwidth less than 40 GHz; or b. 'Multiple transverse mode' output and any of the following: 1. 'Wall-plus efficiency' exceeding 18% and output
		following: 1. 'Wall-plug efficiency' exceeding 18% and	Wall-plug efficiency' exceeding 18% and or power exceeding 1000

Page 19 of 26

output power exceeding 1000

W; or

2. Output power exceeding 2 kW;

8A605.a.6.b. does not apply to 'multiple transverse Note 1 mode', industrial "lasers" with output power exceeding 2 kW and not exceeding 6 kW with a total mass greater than 1,200 kg. For the purpose of this note, total mass includes all components required to operate the "laser", e.g., "laser", power supply, heat exchanger, but excludes external optics for beam conditioning or delivery.

8A605.a.6.b. does not apply to 'multiple transverse mode', industrial "lasers" having any of the following:

- (Reserved)
- Output power exceeding 1 kW but not exceeding 1.6 kW and having a BPP exceeding 1.25 mm·mrad;
- Output power exceeding 1.6 kW but not exceeding 2.5 kW and having a BPP exceeding 1.7 mm·mrad;
- Output power exceeding 2.5 kW but not exceeding 3.3 kW and having a BPP exceeding 2.5 mm·mrad;
- Output power exceeding 3.3 kW but not exceeding 6 kW and having a BPP exceeding 3.5 mm·mrad;
- (Reserved)
- (Reserved)
- Output power exceeding 6 kW but not exceeding 8 kW and having a BPP exceeding 12 mm·mrad; or
- Output power exceeding 8 kW but not exceeding 10 kW and having a BPP exceeding 24 mm·mrad;

For the purpose of 6.A.5.a.6.b., Note 2.a., 'brightness' is defined as the output power of the "laser" divided by the squared Beam Parameter Product (BPP), i.e., (output power)/BPP.

Technical Note

'Wall-plug efficiency' is defined as the ratio of "laser" output power (or "average output power") to total electrical input power required to operate the "laser", including the power supply/conditioning and thermal conditioning/heat exchanger.

Change in 8A608.i

8A608.i. Providing ground-based operation with a maximum 'instrumented range' exceeding 185 km;

- Note 8A608.i does not apply to: a. Fishing ground surveillance radar;
- b. Ground radar equipment specially designed for enroute air traffic control and having all of the following:
 - 1. A maximum 'instrumented range' of 500 km or less:
 - 2. Configured so that radar target data can be transmitted only one way from the radar site to one or more civil ATC centres;
 - 3. Contains no provisions for remote control of the radar scan rate from the enroute ATC centre;
 - 4. Permanently installed.
- Weather balloon tracking radars.

Technical Note

For the purposes of 8A608.i., 'instrumented range' is the specified unambiguous display range of a radar.

W; or

2. Output power exceeding 2 kW;

8A605.a.6.b. does not apply to 'multiple transverse mode', industrial "lasers" with output power exceeding 2 kW and not exceeding 6 kW with a total mass greater than 1,200 kg. For the purpose of this note, total mass includes all components required to operate the "laser", e.g., "laser", power supply, heat exchanger, but excludes external optics for beam conditioning or delivery.

8A605.a.6.b. does not apply to 'multiple transverse mode', industrial "lasers" having any of the following:

Output power exceeding 1 kW but not exceeding 1.6 kW and having a BPP exceeding 1.25 mm•mrad; Output power exceeding 1.6 kW but not exceeding 2.5 kW and having a BPP exceeding 1.7 mm•mrad;
Output power exceeding 2.5 kW but not exceeding 3.3 kW and having a BPP exceeding 2.5 mm mrad; Output power exceeding 3.3 kW but not exceeding 6 kW and having a BPP exceeding 3.5 mm·mrad; (Reserved)

(Reserved)

Output power exceeding 6 kW but not exceeding 8 kW and having a BPP exceeding 12 mm·mrad; or Output power exceeding 8 kW but not exceeding 10 kW and having a BPP exceeding 24 mm·mrad;

Technical Note -deleted

Technical Note

'Wall-plug efficiency' is defined as the ratio of "laser" output power (or "average output power") to total electrical input power required to operate the "laser", including the power supply/conditioning and thermal conditioning/heat exchanger.

8A608.i. Providing ground-based operation with a maximum 'instrumented range' exceeding 185 km;

Note 8A608.i does not apply to:

- Fishing ground surveillance radar;
- Ground radar equipment specially designed for enroute air traffic control and having all of the following: 1.A maximum 'instrumented range' of 500 km

 - 2.Configured so that radar target data can be transmitted only one way from the radar site to one or more civil ATC centres;
 - 3. Contains no provisions for remote control of the radar scan rate from the enroute ATC centre; and
 - 4.Permanently installed.
- Weather balloon tracking radars.

For the purposes of 8A608.i., 'instrumented range' is the specified unambiguous display range of a

47.	New entry added at 8A904.h.	New entry added at 8A904.h.	8A904.h. "Sub-orbital craft".
48.	Change in entry at 8A911	Ramjet/scramjet/pulse jet/'combined cycle engines', including devices to regulate combustion, and specially designed components therefor, usable in the systems specified in 5A101 or 5B.d or 5B.g Technical Note In 8A911, 'combined cycle engines' are the engines that employ two or more cycles of the following types of engines: gas-turbine engine (turbojet, turboprop, turbofan and turbo shaft), ramjet, scramjet, pulse jet, pulse detonation engine, rocket motor (liquid/gel/solid-propellant and hybrid).	Ramjet, scramjet or 'combined cycle engines', and specially designed components therefor. Technical Note For the purposes of 8A911., 'combined cycle engines' combine two or more of the following types of engines: - Gas turbine engine (turbojet, turboprop and turbofan); - Ramjet or scramjet; - Rocket motor or engine (liquid/gel/solid-propellant and hybrid).
49.	Change in entry at 8A912	"Unmanned Aerial Vehicles" ("UAVs"), unmanned "airships", related equipment and components, as follows: a. "UAVs" or unmanned "airships", designed to have controlled flight out of the direct 'natural vision' of the 'operator' and having any of the following: 1. Having all of the following: a. A maximum 'endurance' greater than or equal to 30 minutes but less than 1 hour; and b. Designed to take-off and have stable controlled flight in wind gusts equal to or exceeding 46.3 km/h (25 knots); or 2. A maximum 'endurance' of 1 hour or greater; Technical Notes 1. For the purposes of 8A912.a, 'operator' is a person who initiates or commands the "UAV" or unmanned "airship" flight. 2. For the purposes of 8A912.a, 'endurance' is to be calculated for ISA conditions (ISO 2533:1975) at sea level in zero wind. 3. For the purposes of	"Unmanned Aerial Vehicles" ("UAVs"), unmanned "airships", related equipment and components, a follows: N.B. For "UAVs" that are "sub-orbital craft", see 9.A.4.h. a. "UAVs" or unmanned "airships", designed to have controlled flight out of the direct 'natural vision' of the 'operator' and having any of the following: 1. Having all of the following: a. A maximum 'endurance' greater than or equal to 30 minutes but less than 1 hour; and b. Designed to take-off and have stable controlled flight in wind gusts equal to or exceeding 46.3 km/h (25 knots); or 2. A maximum 'endurance' of 1 hour or greater; Technical Notes 1. For the purposes of 8A912.a, 'operator' is a person who initiates or commands the "UAV" or unmanned "airship" flight. 2. For the purposes of 8A912.a, 'endurance' is to be calculated for ISA conditions (ISO 2533:1975) at sea level in zero wind. 3. For the purposes of 8A912.a, 'natural vision' means unaided human sight, with
50.	New Noteadded at 8D905	8D905 "Software" specially designed or modified for the operation of items specified by 8A904.e or 8A904.f.	operation of items specified by 8A904.e or 8A904.f. N.B. For "software" for items listed in 8A904.d. that are incorporated into "spacecraft payloads", see the
51.	Change in entry at 8E903.a.11	8E903.a.11 Hollow fan blades;	appropriate Categories. 8E903.a.11'Fan blades' having all of the following: a. 20% or more of the total volume being one or more closed cavities containing vacuum or gas only; and b. One or more closed cavities having a volume of 5 cm or larger; Technical Note For the purposes of 8E903.a.11., a 'fan blade' is the aerofoilportion of the rotating stage or stages, which provide both compressor and bypass flow in a gas turbine engine.
52.	Note 3 of Category 6 'Munitions List' modified and New entry added at 6A001	Note 3 of Category 6: Subject to Notes 4-6 below, an authorization from Department of Defence Production, Ministry of Defence would be required for export of items in this Munitions list. This is as per the Standard Operating Procedures issued by Department of Defence Production.	Note 3 of Category 6 Subject to Notes 4-6 below, an authorization from Department of Defence Production, Ministry of Defence would be required for export of items in this Munitions list. This is as per the Standard Operating Procedures issued by Department of Defence Production. However, for export of items under sub-Category 6A007 and 6A008, an export authorisation would be

_			
			required from the Directorate General of Foreign Trade (DGFT), as per SCOMET policy and procedures.
		6A001.a. Rifles and combination guns, handguns, machine, sub-machine and volley guns;	6A001.a.Rifles and combination guns, handguns, machine,sub-machine and volley guns;
		Note 6A001.a does not apply to the following: a. Rifles and combination guns, manufactured earlier than 1938; b. Reproductions of rifles and combination guns, the originals of which were manufactured earlier than 1890;	Note 6A001.a does not apply to the following: a. Rifles and combination guns, manufactured earlier than 1938; b. Reproductions of rifles and combination guns, the originals of which were manufactured earlier than 1890;
		c. Handguns, volley guns and machine guns, manufactured earlier than 1890, and their reproductions; d. Rifles or handguns, specially designed to discharge an inert projectile by compressed air or CO ₂ .	 Handguns, volley guns and machine guns, manufactured earlier than 1890, and their reproductions; Rifles or handguns, specially designed to discharge an inert projectile by compressed air or CO₂.
			e. Handguns specially designed for any of the following: 1. Slaughtering of domestic animals 2. Tranquilising of animals.
53.	Change in 6A002	6A002 Smooth-bore weapons with a calibre of 20 mm or more, other weapons or armament with a calibre greater than 12.7 mm (calibre 0.50 inches), projectors and accessories, as follows, and specially designed components therefor:	6A002 Smooth-bore weapons with a calibre of 20 mm or more, other weapons or armament with a calibre greater than 12.7 mm (calibre 0.50 inches), projectors specially designed or modified for military use and accessories, as follows, and specially designed components therefor::
54.	Change in 6A002.a.	6A002.a. Guns, howitzers, cannon, mortars, anti-tank weapons, projectile launchers, military flame throwers, rifles, recoilless rifles, smooth-bore weapons and signature reduction devices therefor;	6A002 a. Guns, howitzers, cannon, mortars, anti-tank weapons, projectile launchers, military flame throwers, rifles, recoilless rifles and smooth-bore weapons;
55.	Change in 6A002.b.	6A002 b. Smoke, gas and pyrotechnic projectors or generators, specially designed or modified for military use; <i>Note 6A002.b does not apply to signal pistols.</i>	6A002.b.Projectors, specially designed or modified for military use, as follows: 1. Smoke canister projectors; 2. Gas canister projectors; 3. Pyrotechnics projectors; Note 6A002.b does not apply to signal pistols.
56.	Change in 6A002.c. 6A002.d. 'Reserved'	6A002c. Weapons sights and weapon sight mounts, having all of the following: 1. Specially designed for military use; and 2. Specially designed for weapons specified in 6A002.a; 6A002 d. Mountings and detachable cartridge magazines, specially designed for the weapons specified in 6A002.a.	6A002.c.Accessories specially designed for the weapons specified in 6A002.a., as follows: 1. Weapon sights and weapon sight mounts, specially designed for military use; 2. Signature reduction devices; 3. Mountings; 4. Detachable cartridge magazines; 6A002.d. (Reserved)
57.	6A006.b.1.a. and 6A006.b.2.b	6A006. b. Other ground vehicles and components, as follows: 1. Vehicles having all of the following: a. Manufactured or fitted with materials or components to provide ballistic protection equal to or better than level III (NIJ 0108.01, September 1985, or comparable national standard); b. A transmission to provide drive to both front and rear wheels simultaneously, including those vehicles having additional wheels for load bearing purposes whether driven or not; c. Gross Vehicle Weight Rating (GVWR) greater than 4,500 kg; and d. Designed or modified for off-road use; e. Mine-Protected vehicle 2. Components having all of the following: a. Specially designed for vehicles specified in 6A006.b.1.;	6A006.b.Other ground vehicles and components, as follows: 1. Vehicles having all of the following: a. Manufactured or fitted with materials or components to provide ballistic protection equal to or better than level III (NIJ 0108.01, September 1985), or "equivalent standards"; b. A transmission to provide drive to both front and rear wheels simultaneously, including those for vehicles having additional wheels for load bearing purposes whether driven or not; c. Gross Vehicle Weight Rating (GVWR) greater than 4,500 kg; and d. Designed or modified for off-road use; e. Mine-Protected vehicle

		and b. Providing ballistic protection equal to or better than level III (NIJ 0108.01, September 1985, or comparable national standard).	Components having all of the following: Specially designed for vehicles specified in 6A006.b.1.; and Providing ballistic protection equal to or better than level III (NIJ 0108.01, September 1985), or "equivalent standards".
58.	Change in 6A009.h.	6A009.h. Naval nuclear equipment and related equipment and components, as follows: 1. Nuclear power generating equipment or propulsion equipment, specially designed for vessels specified in 6A009.a. and components therefor specially designed or 'modified' for military use.	6A009.h. Nuclear power generating equipment or propulsion equipment, specially designed for vessels specified in 6A009.a. and components therefor specially designed or 'modified' for military use.
		Technical Note For the purpose of 6A009.h.1., 'modified' means any structural, electrical, mechanical, or other change that provides a non-military item with military capabilities equivalent to an item which is specially designed for military use. Note 6A009.h.1. includes "nuclear reactors". N.B See Commodity Identification Note 2 to SCOMET.	Technical Note For the purpose of 6A009.h., 'modified' means any structural, electrical, mechanical, or other change that provides a non-military item with military capabilities equivalent to an item which is specially designed for military use. Note 6A009.h. includes "nuclear reactors".
59.	Change in 6A013.d.2.	6A013.d.2. Hard body armour plates providing ballistic protection equal to or greater than level III (NIJ 0101.06, July 2008).	6A013.d.2. Hard body armour plates providing ballistic protection equal to or greater than level III (NIJ 0101.06, July
		to of greater than level in (NB 0101.00, July 2008).	2008), or "equivalent standards".
		 a. Specially designed or modified 'production' equipment for the 'production' of products specified by Category 6, and specially designed components therefor; b. Specially designed environmental test facilities and specially designed equipment therefor, for the certification, qualification or testing of products specified by Category 6. 	a.Specially designed or modified 'production' equipment for the 'production' of products specified by Category 6, and specially designed components therefor; b.Specially designed environmental test facilities and specially designed equipment therefor, for the certification, qualification or testing of products specified by Category 6.
61.	New entry added to 6A021.b.	6A021 "Software" as follows: a. "Software" specially designed or modified for any of the following: 1. "Development", "production", operation or maintenance of equipment specified by Category 6; 2. "Development" or "production" of materials specified by Category 6; or 3. "Development", "production", operation or maintenance of "software" specified by Category 6. b. Specific "software", other than that specified by 6A021.a as follows: 1. "Software" specially designed for military use and specially designed for modelling, simulating or evaluating military weapon systems; 2. "Software" specially designed for military use and specially designed for modelling or simulating military operational scenarios; 3. "Software" for determining the effects of conventional, nuclear, chemical or biological weapons; 4. "Software" specially designed for military use and specially designed for Command, Communications, Control and Intelligence (C3I) or Command, Communications,	6A021.b"Software" specially designed or modified for the conduct of military offensive cyber operations; Note 1 6A021.b.5. includes "software" designed to destroy, damage, degrade or disrupt systems, equipment or "software", specified by Category 6, cyber reconnaissance and cyber command and control "software", therefor. Note 2 6A021.b.5. does not apply to "vulnerability disclosure" or to "cyber incident response", limited to non-military defensive cybersecurity readiness or response.
62.	New note added to 6A021.c.	Control, Computer and Intelligence (C4I) applications; 6A021.c. "Software", not specified by 6A021.a. or 6A021.b., specially designed or modified to enable equipment not specified by the Munitions List to perform the military functions of equipment specified by the Munitions List.	6A021.c."Software", not specified by 6A021.a. of 6A021.b., specially designed or modified to enable equipment not specified by Category 6 to perform the military functions of equipment specified by the Category 6.

			N.B. See systems, equipment or component specified by Category 6 for general purpose "digital computers" with installed "software" specified by 6A021.c.
S. No.	Entry No. in SCOMET Control List	Existing entry in SCOMET List (as notified vide Noti No. 03 dated 24.04.2020)	Revised Entry in SCOMET List [The previous entries against relevant items shall be substituted as under in the SCOMET list:] [Text highlighted in purple color has been added]
1	2	3	4
63.	New entry at 1A (13) added	New entry added at Cat. 1A (13)	1A (13) P-alkyl (H or ≤C10, incl. cycloalkyl) N-(1-(dialkyl(≤C10, incl. cycloalkyl)amino))alkylidene(H or ≤C10, incl. cycloalkyl) phosphonamidic fluorides and corresponding alkylated or protonated salts e.g. N-(1-(di-n-decylamino)-n-decylidene)-P-decylphosphonamidic fluoride (2387495-99-8) Methyl-(1-(diethylamino)ethylidene)phosphonamidofluoridate (2387496-12-8)
64.	New entry at 1A (14) added	New entry added at Cat. 1A (14)	1A (14) O-alkyl (H or ≤C10, incl. cycloalkyl) N-(1-(dialkyl(≤C10, incl. cycloalkyl)amino))alkylidene(H or ≤C10, incl. cycloalkyl) phosphoramidofluoridates and corresponding alkylated or protonated salts e.g. O-n-Decyl N-(1-(di-n-decylamino)-n-decylidene)phosphoramidofluoridate (2387496-00-4) Methyl (1-(diethylamino)ethylidene)phosphoramidofluoridate (2387496-04-8) Ethyl (1-(diethylamino)ethylidene)phosphoramidofluoridate (2387496-06-0)
65.	New entry at 1A (15) added	New entry added at Cat. 1A (15)	IA (15) Methyl- (bis(diethylamino)methylene)phosphonamidofluorida te (2387496-14-0)
66.	New entry at 1A (16) added	New entry added at Cat. 1A (16)	IA (16) Carbamates (quaternaries and bisquaternaries of dimethylcarbamoyloxypyridines) Quaternaries of dimethylcarbamoyloxypyridines: 1-[N,N-dialkyl(≤C10)-N-(n-(hydroxyl, cyano, acetoxy)alkyl(≤C10)) ammonio]-n-[N-(3-dimethylcarbamoxy-α-picolinyl)-N,N-dialkyl(≤C10) ammonio]decanedibromide (n=1-8) e.g. 1-[N,N-dimethyl-N-(2-hydroxy)ethylammonio]-10-[N-(3-dimethylcarbamoxy-α-picolinyl)-N,N-dimethylammonio]decane dibromide (77104-62-2) Bisquaternaries of dimethylcarbamoyloxypyridines: 1,n-Bis[N-(3-dimethylcarbamoxy-α-picolyl)-N,N-dialkyl(≤C10) ammonio]-alkane-(2,(n-1)-dione) dibromide (n=2-12) e.g. 1,10-Bis[N-(3-dimethylcarbamoxy-α-picolyl)-N-ethyl-N-methylammonio]decane-2,9-dione dibromide (77104-00-8)
	GLOSSARY of SCOMET List	Existing entry in SCOMET List (as notified vide Noti No. 03 dated 24.04.2020)	Revised Entry in SCOMET List [The previous entries against relevant items shall be substituted as under in the SCOMET list:] [Text highlighted in purple color has been added]
1	2	3	4
	"Cyber incident response" re- defined	"Cyber incident response" The process of exchanging necessary information on a cybe security incident with individuals or organization responsible for conducting or coordinating remediation to	s a cybersecurity incident with individuals or

		address the cyber security incident.	coordinating remediation to address the cybersecurityincident.
68.	"Equivalent standards"defin ed	- new entry	"Equivalent standards" Comparable national or international standards recognised by one or more Wassenaar Arrangement Participating States and applicable to the relevant entry.
69.	"Hard selectors" defined		"Hard selectors" Data or set of data, related to an individual (e.g., family name, given name, e-mail, street address, phone numbe or group affiliations).
70.		"Instrumented range" The specified unambiguous display range of a radar.	- definition deleted
71.	New definition of "Personal area network" para. b. is amended and new Technical Note 2 is added	"Personal area network" A data communication system having all of the following characteristics: a. Allows an arbitrary number of independent or interconnected 'data devices' to communicate directly with	 b. Is confined to the communication between devices within the immediate physical vicinity of an individual person or device controller (e.g., single room, office
72.		"Resolution" The least increment of a measuring device; on digital instruments, the least significant bit. (Ref. American National Standards Institute (ANSI) B-89.1.12)	
73.	of "Satellite navigation	satellites.	"Satellite navigation system" A system consisting of ground stations, a constellation satellites, and receivers, that enables receiver locations to be calculated on the basis of signareceived from the satellites. It includes Global Navigat Satellite Systems and Regional Navigation Satellite Systems.
74.	"Sub-orbital craft" defined	- new entry	"Sub-orbital craft" A craft having an enclosure designed for the transport of people or cargo, which is designed to: a. Operate above the stratosphere; b. Perform a non-orbital trajectory; and c. Land back on Earth with the people or cargo into
75.		Nickel-, cobalt- or iron-base alloys having strengths superior to any alloys in the AISI 300 series at temperatures over 922 K (649°C) under severe	"Superalloy" Nickel-, cobalt- or iron-base alloys having a stres rupture life greater than 1000 hours at 400 MPa and a ultimate tensile strength greater than 850 MPa, at 92. K (649°C) or higher.
76.	"Vulnerability disclosure" defined (former local definition)		"Vulnerability disclosure" The process of identifying, reporting or communicatin a vulnerability to, or analysing a vulnerability with individuals or organisations responsible for conductin or coordinating remediation for the purpose of resolving the vulnerability.
	defined		"Circular Error Probable (CEP) or Circle of Equal Probability"

		probability of being located.	made, or the radius of the circle within which there is a 50% probability of being located.
S.No.	Acronyms and Abbreviations used in SCOMET List	Existing entry in SCOMET List (as notified vide Noti No. 03 dated 24.04.2020)	Revised Entry in SCOMET List [The previous entries against relevant items shall be substituted as under in the SCOMET list:] [Text highlighted in purple color has been added]
1.	2.	3.	4.
77.	- new entry " AMPS"	- new entry	AMPS: Aircraft Missile Protection System
78.	- entry deleted " EEPROMS"	EEPROMS: Electrically Erasable Programmable Read Only Memory	-entry deleted
79.	- new entry " EMP"	- new entry	EMP: Electromagnetic Pulse
80.	- new entry "ESD"	- new entry	ESD: Electrostatic Discharge
81.	- new entry "HDMI"	- new entry	HDMI: High-Definition Multimedia Interface
82.	- entry deleted "LVDT"	LVDT: Linear Variable Differential Transformer	- entry deleted
83.	- entry deleted " MRAM"	MRAM: Magnetic Random Access Memory	- entry deleted
84.	- new entry "NIJ"	- new entry	NIJ: National Institute of Justice
85.	- entry deleted "SPLD"	SPLD : Simple Programmable Logic Device	- entry deleted

