

SUMMARY OF CHANGES

LIST OF DUAL-USE GOODS & TECHNOLOGIES AND MUNITIONS LIST

as of 6 December 2018

The following table outlines the changes made by the 2018 Plenary to the 2017 List of Dual-Use Goods & Technologies and Munitions List (WA-LIST (17) 1). The table should be used for information only. The new version of the Control Lists is WA-LIST (18) 1.

Category/Item	Comments
Category 1	
1.B.3.c.	- extra full stop deleted at the end of the para. (editorial)
1.C.1.a. Note 1	- new para. e. and new Technical Note for the local definition of 'open-cell foams'
1.C.10.d.1.a.	- full stop added after 1.C.8.a. (editorial)
Annex – "Explosives" List, entry 6	- hyphen added between FOX and 7 (editorial)
Category 2	
2.A.1. Note	- 2001 added after ISO 3290 - «G» added before 5
2.A.1.a.	- «or Class 2» added after Class 4
2.B.2.d.4.	- single quotation mark added to the end of the local definition (editorial)
2.B.3.	- entry amended including a cascaded structure for the control criteria
2.B.6.b.1.	- entry amended including a new Technical Note 2 for the local definition of 'measuring range'
Table – Deposition Techniques – Tech. Note b.4.	- full stop changed to a semi-colon at the end of the para. (editorial)
Category 3	
3.A., Note 2	- comma added after 3.A.1.a.14. to ensure that the description applies to ICs in all entries referenced (editorial)
3.A.	- new Note 3
3.A.1.a.	- Note 1 deleted (replaced by new Note 3 under 3.A.) - Note 2 renamed Note
3.A.1.a.2., Note	- «designed» added after integrated circuits
3.A.1.a.5.b.	- entry amended to avoid overlapping of the controls between 3.A.1.a.5.b.1. and 3.A.1.a.5.b.2. (editorial)
3.A.1.b., Technical Note 2	- deleted since the local definition of 'vacuum electronic devices' has become a global definition - Technical Note 1 renamed Technical Note
3.A.1.b.1. and Notes 1 & 2; 3.A.1.b.1.a., b., c., d. and Technical Note; 3.A.1.b.8.; 3.A.1.b.9.;	- all instances of 'vacuum electronic device(s)' now have double quotation marks
3.E.3.g.	
3.A.1.b.2.b.1.	- space added between 10 and «W» (editorial)
3.A.1.b.2.b.2.	- space added between 5 and «W» (editorial)
3.A.1.b.3.f.	- new entry; - «or» moved from the end of 3.A.1.b.3.d. to the end of 3.A.1.b.3.e. (consequential change)

Category/Item	Comments
Category 3 cont.	
3.A.1.b.3., Note 1	- «in 3.A.1.b.3.a. through 3.A.1.b.3.e.» added after transistor
3.A.2.a.6.b.	- entry amended to clarify signal processing
3.A.2.d.5.	- entry expanded including sub-paras. a., b. and c. plus a Technical Note for the local definition of 'RF modulation bandwidth'
3.A.2.d.6.	- new entry - «or» moved from the end of 3.A.2.d.4.b. to the end of 3.A.2.d.5.c. (consequential change)
3.B.1.h.	- «having any of the following» is deleted
3.B.1.h.1.	- entry deleted; - former 3.B.1.h.2. becomes part of the 3.B.1.h. chapeau
3.D.5.	- new entry
Category 4	No amendments were made to Category 4
Category 5 – Part 1	
5.E.1.d.4.	- 0.1 nW – parameter written correctly (editorial)
Category 5 – Part 2	
5.A.2., N.B.	- "satellite navigation system" replaces Global Navigation Satellite Systems (GNSS)
5.A.2.a. & Technical Note 2; 5.A.2.a.4. 5.A.2.a., Note 2.a.1.a.1.b.	- 'described security algorithm' replaces 'in excess of 56 bits of symmetric key length, or equivalent'
5.A.2.a. Technical Note 2.c.	- new entry for "asymmetric algorithm" including sub-paras 1., 2. & 3. and a Technical Note - «or» moved from the end of Technical Note 2.a. to the end of TN 2.b.3. (consequential change)
5.A.2.a., Note 2.j.	- new entry for items specially designed for a 'connected civil industry application' including sub-paras. 1. & 2. and Technical Notes 1 & 2
5.A.2.b.	- entry rewritten including a Technical Note for the local definition of 'cryptographic activation token'
5.D.2.b.	- entry rewritten
5.E.2.b.	- entry rewritten
Category 6	
6.A.1.a.2.	- Note referring to receiving equipment is moved from the end of the 6.A.1.a.2. entries to under the chapeau
6.A.1.a.2.a.	- new Technical Note 2; existing TN numbered 1
6.A.1.a.2.a.6.	- 'hydrophone sensitivity' parameter added
6.A.3.b.4.b., Note 3.b.1.	- parameter changed from 10 to 2 mrad
6.A.5.	- new Note 6 defining 'Single transverse mode' and 'Multiple transverse mode'

Category/Item	Comments
Category 6 cont.	
6.A.5.a.3.a. & b.; 6.A.5.a.5.a. & b.; 6.A.5.a.6.a. & b.; 6.A.5.a.6.b. Note 1 and Note 2 chapeau; 6.A.5.a.7.a. & b.; 6.A.5.a.9.a. & b.; 6.A.5.b.3.a. & b.; 6.A.5.b.5.a., b. & c.; 6.A.5.b.6.c. & d.; 6.A.5.b.7.a. & b.; 6.A.5.b.9.a. & b.	- single quotation marks placed around 'Single transverse mode' and 'Multiple transverse mode' in these entries
6.A.5.a.6.a.	- entry amended including new sub-paras. 1. and 2.
6.A.5.a.6.b.1.	- parameter changed from 500 to 1,000 W
6.A.5.a.6.b., Note 2	- sub-paras. a., f. and g. deleted; - sub-para. e – parameter changed from 4 to 6 kW
6.A.5.d.1.b.	- comma deleted after Individual
6.B.2.	- new entry for masks and reticles
Category 7	
7.A.2.a.1. & 2.	- «angular» added before rate range
7.A.3., Technical Note a.; 7.A.5. chapeau; 7.A.5.b., Note; 7.D.3.b.2.; 7.D.5.	- "Satellite navigation system" replaces Global Navigation Satellite Systems (GNSS) in these entries
Category 8	
8.A.1.c.	- entry entirely rewritten
8.A.1.d.	- entry deleted
8.A.2.d.	- entry written with a cascading structure for greater clarity
8.B.1.	- entry amended
Category 9	
9.A.4.	- air-launch platforms added in the chapeau
9.A.4.g.	- new entry for air-launch platforms
9.A.10.d.	- 'response time' made into a local definition with corresponding Technical Note
9.B.1.	- entry amended
9.E.3.a.7.	- entry deleted
Sensitive List	
3.A.1.b.2.	- new entry for "MMIC" amplifiers
3.A.1.b.3.	- new entry for discrete microwave transistors
6.A.2.a.3.	- Notes 7 and 8 are combined as Note 7; - Note 8 no longer used
8.A.1.c.	- «tethered» deleted from the entry
8.A.1.d.	- entry deleted

Category/Item	Comments
Very Sensitive List	
8.A.1.c.1.	- new entry for unmanned submersible vehicles
8.A.1.d.	- entry deleted
Munitions List	
ML4.a., Note b.	- addition of «or» between Missile and rocket nozzles
ML5. chapeau and para. b.	- entry amended and para. b. has a cascaded structure
ML6.	- entry amended and restructured
ML8.a.6.	- a hyphen has been added between «FOX» and «7» (editorial)
ML8.a.33.	- double quotation marks around "Explosives" (editorial correction)
ML8.a.36 & 37	- a semi-colon at the end of these entries (editorial)
ML8.a.43.	- new entry
ML8.c.12.	- new Note
ML9.a.1.	- new Note for diver delivery vehicles
ML9.a.2.; ML17.h.; ML17.m.; ML17.p.	- «other than those» replaced by «not»
ML9.b.3.	- Non-magnetic deleted before diesel engines; - in sub-para. b. single quotation marks around 'Non-magnetic'; - new Technical Note added for the local definition of 'non-magnetic'
ML9.h.	- new entry for naval nuclear equipment including a Technical Note and a Note
ML10., Note 5	- or "lighter-than-air vehicles" added to the chapeau
ML10., Note 6	- new Note for vintage aero-engines
ML11.b.	- "Satellite navigation system" replaces Global Navigation Satellite Systems (GNSS)
ML13., Note 4	- «c.» is added to ML13 reference
ML17.g.and Note	- «not specified elsewhere» is added after «propulsion equipment»; - «including "nuclear reactors"» moved to a new Note
ML21.c.	- full stop added between «ML21» and «b» (editorial)
Definitions	
"Cryptography"	- new Note 2 added; - existing Note renumbered 1
"Radiant sensitivity"	- full stop at the end of the definition (editorial)
"Satellite navigation system"	- new definition
"Stability"	- Statement of Understanding amended
"Vacuum electronic devices"	- new global definition
Acronyms and Abbreviations	
ENOB	- new entry
EUV	- new entry
GNSS	- entry deleted
GVWR	- new entry
HEMT	- «S» deleted from «Transistors»
PDK	- new entry
QE	- new entry
ROIC	- new entry
Statements of Understanding and Validity Notes	No amendments were made to the Statements of Understanding and Validity Notes