

SUMMARY OF CHANGES

LIST OF DUAL-USE GOODS & TECHNOLOGIES AND MUNITIONS LIST

as of 25 March 2015

The following table outlines the changes made to the 2013 List of Dual-Use Goods & Technologies and Munitions List (WA-LIST (13) 1) which were approved by the December 2014 Plenary (WA-LIST (14) 1). It includes three editorial corrections made in February 2015 and a corrigendum issued in March 2015. The table should be used only as a reference.

The new version of the Control Lists is [WA-LIST \(14\) 2](#).

Category/Item	Comments
GTN	no changes
Category 1	
1.C.2.c.2.	- new sub-entry h. - new definition for "Plasma atomisation"
1.C.7.a.	- «Ceramic base materials» replaced by «Ceramic powders » - consequential change in 1.C.7. chapeau
1.C.8.b.	- entry deleted - consequential change in 1.C.10.d.1.b. – reference changed to 1.C.8.d.
1.C.10.	- Technical Notes moved from 1.C.10.c. to under 1.C.10. chapeau - Reference to 1.C.10.e.1.b. added to Technical Note 1
1.E.2.c.	- «base materials» replaced by «ceramic powders» in the chapeau and in 1.E.2.c.1. and 1.E.2.c.1.c.2. - 1.E.2.c.1.c.3. deleted
1.E.2.d.	- entry deleted
1.E.2.g.	- "Libraries" changed from local to global definition (double quotes instead of single and Technical Note deleted) - new definition for "Library"
Category 2	
2.B.1.a., b. and c.	- entries rewritten to change from 'Stated Positioning Accuracy' to "Unidirectional Positioning Repeatability" - new definition for "Unidirectional Positioning Repeatability"
2.B.1.e.2.b.	- double quotes placed around "accuracy" since global definition applies

Category/Item	Comments
Category 3	
3.A.1.a.5.b.	- «greater than» replaces «or greater» in sub-para. 1 - «equal to or» deleted in sub-para. 2
3.A.1.a.7.	- single quotes around «Field programmable logic devices» deleted - «500 or greater» replaced with «greater than 700» in sub-para. a. - 200 replaced with 500 Gb/s in sub-para. b. - Technical Note 1 deleted; remaining Notes renumbered
3.A.1.b.7.	- entry rewritten
3.A.1.b.10.	- entry revised; sub-paras. a. and b. deleted
3.A.1.b.11.	- 75 GHz replaced with 90 GHz in sub-paras. f. and g.
3.A.2.a.5.	- new sub-para. c. - new Technical Note 3 - new Validity Note for 3.A.2.a.5.c. and Technical Note 3
3.A.2.c.	- «Radio frequency» deleted from the chapeau - 37.5 GHz changed to 37 GHz in sub-para. 1 - 75 GHz changed to 90 GHz in sub-paras. 2. and 3. - 85 MHz changed to 170 MHz in sub-para. 4.a.
3.A.2.d.	- entry largely rewritten including deletion of «synthesized», changes to parameters, and deletion of sub-paras. c. and f. to 3.A.2.d.3. - «frequency synthesized» and «synthesized» deleted from Note 1 and Technical Note 1 respectively
3.A.2.d.4.a. (February 2015)	- editorial correction; control range is changed to “10 Hz ≤ F ≤ 10 kHz”.
3.A.2.e.	- 75 GHz replaced with 90 GHz in sub-paras. 1. and 2.
3.B.1.f.	- 245 nm changed to 193 nm in sub-para. 1.a. - 95 nm changed to 45 nm in sub-paras. 1.b. and 3.B.1.f.2.
Category 4	
4.D.1.b.1.	- 0.60 Weighted TeraFLOPS (WT) changed to 1.0 WT
4.D.2.	- entry deleted
4.E.1.b.1.	- 0.60 Weighted TeraFLOPS (WT) changed to 1.0 WT
Technical Note on 'APP' – Note 6	- para. 2 deleted - new Technical Note 2
Category 5 – Part 1	
5.D.1.b.	- entry deleted
5.E.1.c.1.	- 120 Gbit/s changed to 560 Gbit/s

Category/Item	Comments
Category 5 – Part 2	
Note 1 at start of category	- text revised
5.A.2.a.	- text revised
5.A.2.a.2.	- single quotes placed around 'cryptanalytic functions' and corresponding new Technical Note for the local definition - cryptanalysis replaced by 'cryptanalytic functions' in the Note
5.A.2.b.	- text revised
5.A.2., Note	- para. j. revised, including new sub-paras. 1. and 2. and new N.B.2. - new paras. l. and m.
5.D.2.c.	- new Note
5.D.2.d.	- «by means of "cryptographic activation"» added to text
5.E.2.b.	- «by means of "cryptographic activation"» added to text
Category 6	
6.A.1.a.1.a.2.a.2.	- «m/s» added after 3,800 - new sentence added to Technical Note
6.A.1.a.1.a.3.	- chapeau amended
6.A.1.a.1.c.	- chapeau revised to remove the comma after «projectors»; place parenthesis around «including transducers»; and add a comma after «in a designed combination» - «not specified by 6.A.1.» added after « other equipment» in Note 1
6.A.1.a.1.c.1.	- text rewritten, including new sub-paras. a. and b. - Technical Note rewritten
6.A.1.a.1.c.2.	- entry deleted
6.A.3.a.3.	- entry revised, including new sub-paras. a. and b.
6.A.3.b.4., Note 3.c.	- entry revised, including new sub-para. 1. (remaining sub-paras. renumbered)
6.A.3.b.4., Note 4.b.	- entry revised, including new sub-para. 1. (remaining sub-paras. renumbered)
6.A.4.a.	- new Technical Note
6.A.4.a.1.	- text revised, including new sub-paras. a. and b.
6.A.4.a.4.	- text revised, including new sub-paras. a. and b.
6.A.4.d.2.	- text revised, including new sub-paras. a. and b.
6.A.4.d.4.	- entry deleted
6.A.5.c., Note	- Note deleted
6.A.5.e.2.	- text revised - new Note added
6.A.5.e.3.	- new entry for fibre laser components
6.C.5.	- new chapeau added – editorial change for consistency - existing text lettered para. a. - new para. b., including a Note and Technical Notes
6.D.3.d.	- new entry under Optics
Category 7	
7.A.3., Note 2	- text amended to refer to civil «aviation» authorities and «one or more WA Participating States» - definition of "civil aircraft" amended
7.D.4.c.	- text revised, including making "fly-by-wire systems" and "fly-by-light systems" global definitions

Category/Item	Comments
Category 7	
7.E.4.b and 7.E.4.b.1.	- "fly-by-wire systems" and "fly-by-light systems" made into global definitions
7.E.4.b.7.	- new "technology" entry for "fly-by-wire systems"
7.E.4.b.8.	- new "technology" entry for "fly-by-wire systems"
Category 8	
8.A.1.	- paras. f., g., h. and i. deleted
8.A.2.	- paras. k., l., m. and n. deleted
8.A.2.o.1.	- entry deleted
8.E.2.c.	- new "technology" entry for surface-effect vehicles, hydrofoil vessels and 'small waterplane area vessels'
Category 9	
9.A.1.a., Note 1	- paras. a. and b. revised to refer to «civil aviation authorities of one or more WA Participating States»
9.A.3.	- chapeau amended - para. b. amended
9.A.4.	- entry expanded to include paras. a. to f. - new definitions for "spacecraft bus" and "spacecraft payload"
9.A.10.a.	- entry revised including new sub-paras. 1., 2. and 3.
9.A.10.b.	- entry revised including new sub-paras. 1., 2. and 3.
9.A.12.	- entry rewritten
9.B.1.	- entry revised, including new para. c. - new Validity Note for 9.B.1.c.
9.B.10.	- entry revised
9.D.3.	- «propulsion» deleted before «systems»
9.D.4.c.	- entry revised
9.D.4.e.	- entry revised
9.D.5.	- new "software" entry
9.E.3.a.3.	- entry rewritten and expanded
9.E.3.a.4.	- entry revised
9.E.3.h., Note	- Note revised
9.E.3.j.	- new "technology" entry
Sensitive List	
2.D.1., 2.E.1. and 2.E.2.	- consequential changes resulting from agreements on the Dual-Use List to change from 'Stated Positioning Accuracy' to "Unidirectional Positioning Repeatability"
5.D.1.b.	- entry deleted (consequential change resulting from agreement on the Dual-Use List)
9.B.1.	- new entry - 9.B.1.b. deleted – consequential change
Very Sensitive List	
	- no changes made

Category/Item	Comments
Munitions List	
ML1., Note d.	- new entry - new definition for "deactivated firearm"
ML4.c., Note d.1.a.	- text amended
ML6., Note 2.b.	- comma deleted after «parts» - editorial correction
ML7.f.1.	- «ML7» added before d. – editorial change for consistency
ML8.e.2.	- text revised
ML8.g.1.	- text revised
ML8.g.1. (February 2015)	- editorial correction; redundant cross reference deleted
ML9.a.2.a.	- text revised
ML10.f., Technical Note	- spelling of Technical corrected
ML10., Note 1.c., Note 2.a. and Note 5	- text revised
ML10., Note 2.a. (March 2015)	- insert «for use in "civil aircraft",» after WA Participating States
ML13.a.	- «metallic or non-metallic» added before armoured plate
ML17.	- "Libraries" changed from local to global definition (double quotes instead of single) in chapeau - new definition for "Library"
ML17.a.	- entry revised, including sub-paras. 1. and 2.
ML17.f.	- entry revised
ML18.	- single quotes added to 'Production' in the chapeau - editorial correction
ML21.a.	- text revised, including new sub-paras. 1., 2. and 3.
ML21.c.	- editorial changes
Definitions	
"Biocatalysts"	- single quotes added to 'enzymes' – editorial change
"Biopolymers"	- single quotes added to a number of terms and word order changed – editorial change
"Civil aircraft"	- definition revised
"Cryptographic activation"	- definition revised, including the Technical Notes
"Deactivated firearm"	- new definition
"End-effectors"	- single quotes added to 'active tooling units' – editorial change
"Fly-by-light systems"	- new definition
"Fly-by-wire systems"	- new definition
"Information security"	- single quotes added to 'cryptanalysis' and Control List references updated – editorial change
"Library"	- new definition
"Local area network"	- single quotes added to 'data devices' – editorial change
"Operations, Administration or Maintenance" ("OAM")	- new definition
"Plasma atomisation"	- new definition

Category/Item	Comments
Definitions	
“Quantum Cryptography” <i>(February 2015)</i>	- editorial correction; “cw” within the definition replaced with “cryptography”
"Spacecraft bus"	- new definition
"Spacecraft payload"	- new definition
"Technology"	- single quotes added to 'technical data' and 'technical assistance' – editorial change
"Unidirectional Positioning Repeatability"	- new definition
Acronyms and Abbreviations	
CPU - Central Processing Unit	- new entry
SOUs and Validity Notes	
3.A.2.a.5.c.	- new Validity Note
5.A.1.i.	- Validity Note deleted
9.B.1.c.	- new Validity Note
ML8.c.11.b.	- Validity Note deleted
Both Lists	- new SOU regarding illustrative lists