

## SUMMARY OF CHANGES

### LIST OF DUAL-USE GOODS & TECHNOLOGIES AND MUNITIONS LIST

as of 05 December 2019

The following table outlines the changes made by the 2019 Plenary to the 2018 List of Dual-Use Goods & Technologies and Munitions List (WA-LIST (18) 1). The table should be used for information only. In accordance with the 2020 Plenary decision, the 2019 Lists remain in force in 2021. The current version of the Control Lists is therefore WA-LIST (19) 1.

Category/Item	Comments
<b>Category 1</b>	
1.A.2.b.1., Note 5	- new decontrol Note
1.A.5.b. (see also ML6 & 13)	- «national equivalents» replaced with «"equivalent standards"» - new definition for "equivalent standards"
1.A.6.	- editorial: - capital letters on Improvised Explosive Devices and addition of the acronym «IEDs» - «For the purpose of 1.A.6.b.» added to the start of the Technical Note - Improvised Explosive Devices replaced by the acronym IEDs in N.B.
1.B.2.	- entry rewritten to include cascading structure
1.C.1.a., Note 1	- «or less» added to the end of para. d.2.
1.C.2., Technical Note 3	- «ratio» added after «average stress» in the last sentence.
1.C.6.d.	- chapeau amended
1.C.10.c.	- para. 1 amended to include cascading structure
<b>Category 2</b>	
2.A.1.	- chapeau amended - Decontrol Note deleted
2.A.1.c.	- «specially designed components» added to chapeau
2.B.1.	- new Note 4
<b>Category 3</b>	
3.B.1.h.	- new Nota Bene
3.D.3.	- entry rewritten including new Technical Note - former Note deleted
3.E.2.a., b. and c.	- new Technical Notes 1 and 2 for the local definitions of 'floating-point' and 'fixed-point' - single quotes around these terms in these entries
3.E.4.	- new entry and new Technical Note for the local definition of 'site front least-squares range' ('SFQR')

<b>Category/Item</b>	<b>Comments</b>
<b>Category 4</b>	
4.E.1.a. and 4.E.1.c., Note 1 (see also ML21)	- "vulnerability disclosure" and "cyber incident response" – changed from local to global definitions - Technical Notes 1 and 2 deleted
<b>Category 5 – Part 1</b>	
5.A.1.h.1.	- editorial: acronym IEDs added after Improvised Explosive Devices
5.A.1.j.2.a.	- "hard selectors" changed from a local to a global definition - Technical Note deleted
5.D.1.e.	- new entry, including Technical Notes 1 and 2, a decontrol Note and a 3-year Validity Note
5.E.1.a.	- reference added to 5.D.1.e.
<b>Category 5 – Part 2</b>	
5.A.2.a.	- entry modified to refer to secure "cryptographic activation"
5.A.2.a.2.	- Statement of Understanding added referring to digital communication or networking functionality
5.A.2.a., Note 2.f.	- para. f. chapeau and sub-para. 1 are merged - sub-para. 2 is deleted - definition of "personal area network" modified
5.A.2.a., Note h.	- «gateways» added after «switches»
5.A.4.b.	- new entry, including a Technical Note, decontrol Notes 1 and 2, and a 3-year Validity Note
5.D.2.a.3.	- entry amended to include sub-paras. a. and b.
5.D.2.c.3.	- entry amended to include sub-paras. a. and b. and a decontrol Note
5.E.2.a.	- new decontrol Note
<b>Category 6</b>	
6.A.4.c.4.	- entry amended, including adding «per Kelvin» to the parameter
6.A.5.a.6.a.1. and 6.A.5.a.6.a.2.a.	- «average» deleted
6.A.5.a.6.b., Note 2	- Technical Note defining 'brightness' is deleted - editorial
6.A.8.i.	- 'instrumented range' changed from a global to a local definition in the chapeau and in Note b.1. - new Technical Note added - global definition for "Instrumented range" deleted
<b>Category 7</b>	No amendments were made to Category 7
<b>Category 8</b>	No amendments were made to Category 8

<b>Category/Item</b>	<b>Comments</b>
<b>Category 9</b>	
9.A.4.h.	- new entry and definition for "sub-orbital craft" together with a 3-year Validity Note
9.A.11.	- new Technical Note for the local definition of 'combined cycle engines' - single quotes around 'combined cycle engines' in the chapeau
9.A.12.	- new Nota Bene under the chapeau referring to 9.A.4.h.
9.D.5.	- new Nota Bene
9.E.3.a.11.	- entry rewritten including sub-paras. a. and b. and a Technical Note for the local definition of 'fan blade' - single quotes around 'fan blades' in the chapeau
<b>Sensitive List</b>	
3.A.1.b.3.b.	- «or» added between sub-paras. 1. and 2. - editorial
<b>Very Sensitive List</b>	No amendments were made to the Very Sensitive List
<b>Munitions List</b>	
ML1.a., Note	- new para. e.
ML2	- «specially designed or modified for military use» added after projectors in the chapeau
ML2.a.	- «signature reduction devices» deleted from para. a.
ML2.b.	- entry amended to include a cascading structure
ML2.c. and d.	- paras. c. and d. are merged and amended to include a cascading structure - para. d is deleted
ML6.b.1.a. and ML6.b.2.b.	- «comparable national standard» replaced with «"equivalent standards"» - new definition for "equivalent standards"
ML6.b.1.b.	- «for» added before «vehicles»
ML9.h.	- para. 1. is moved to become the ML9.h. chapeau - reference to para. 1 in the Technical Note and the Note are deleted (ML9.h. instead of ML9.h.1.)
ML13.d.2.	- «national equivalents» replaced with «"equivalent standards"» - new definition for "equivalent standards"
ML18	- «environmental test facilities» added to the chapeau and «related equipment» deleted
ML21.b.	- new para. 5 including Notes 1 and 2
ML21.c.	- new Nota Bene
<b>Definitions</b>	
"Cyber incident response"	- new definition (former local definition)
"Digital computer"	- reference to ML21 added
"Equivalent standards"	- new definition
"Hard selectors"	- new definition (former local definition)
"Instrumented range"	- definition deleted (now a local definition)
"Intrusion software"	- reference to Cat 5P2 added
"Personal area network"	- para. b. is amended and new Technical Note 2 is added
"Resolution"	- editorial: definition deleted

<b>Category/Item</b>	<b>Comments</b>
<b>Definitions cont.</b>	
"Satellite navigation system"	- the acronyms GNSS and RNSS are deleted
"Sub-orbital craft"	- new definition
"Superalloy"	- definition amended
"Vulnerability disclosure"	- new definition (former local definition)
<b>Acronyms and Abbreviations</b>	
AMPS	- new entry
EEPROM	- entry deleted
EMP	- new entry
ESD	- new entry
HDMI	- new entry
LVDT	- entry deleted
MRAM	- entry deleted
NIJ	- new entry
SPLD	- entry deleted
<b>Statements of Understanding and Validity Notes</b>	
5.D.1.e.	- new 3-year Validity Note
Cat 5P2	- Statement of Understanding regarding former Note 4 is deleted
5.A.2.a.2.	- new Statement of Understanding
5.A.4.b., 5.D.2.a.3., 5.D.2.c.3., Note to 5.E.2.a.	- new 3-year Validity Note
9.A.4.f.	- Validity Note deleted
9.A.4.h.	- new 3-year Validity Note