

## SUMMARY OF CHANGES

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

**as of 22 December 2021**

The following table outlines the changes agreed by the 2021 Plenary to the 2019 - 2020 List of Dual-Use Goods & Technologies and Munitions List (WA-LIST (19) 1). The table should be used for information only. The new version of the Control Lists is WA-LIST (21) 1.

Category/Item	Comments
<b>Category 1</b>	
1.C.6.b.	- sub-para. 2 deleted; sub-para. 1 is now part of para. b.
Annex – List of Explosives	- two new entries agreed: 51 and 52
<b>Category 2</b>	
2.E.3.b.2.	- entry deleted - new Nota Bene regarding gas turbine engines - Technical Note 2 for 'hot isostatic densification' is deleted
Table – Deposition Techniques – Note 10	- spelling of airfoils changed to aerofoils - editorial
<b>Category 3</b>	
3.A. Note 1	- reference to 3.A.1.b.12. added
3.A.1.b.4.b.1.	- dBm parameter corrected to read 48.45 - editorial
3.A.1.b.11.e.	- parameter changed from 90 to 75 GHz
3.A.1.b.11.f.	- new entry
3.A.2.c.2.	- «a» inserted before Displayed Average Noise Level – editorial
3.A.2.d.3.e.	- parameter changed from 90 to 75 GHz
3.A.2.d.3.g.	- new entry
3.A.2.d.4.	- «a» inserted before single sideband - editorial
3.A.2.d.5.c.	- parameter changed from 90 to 75 GHz
3.A.2.d.5.d.	- new entry
3.C.1.e. & f.	- new entries
3.C.5.a. & b.; 3.C.6.	- gallium oxide (Ga <sub>2</sub> O <sub>3</sub> ) or diamond added to entries
3.D.6.	- new entry for 'ECAD' "software" plus Technical Notes 1, 2 & 3 - new global definition for "Gate-All-Around Field-Effect Transistor"
3.E.3.d.	- «films of» deleted before diamond
3.E.3.h.	- new entry
<b>Category 4</b>	
4.A.3.b.	- parameter changed from 29 to 70.0 Weighted TeraFLOPS
<b>Category 5 – Part 1</b>	No amendments were made to Category 5P1
<b>Category 5 – Part 2</b>	
5.A.3.a.	- «using» replaced with «to use» after designed or modified

Category/Item	Comments
<b>Category 6</b>	
6.A.5.d.1.b.1	- parameter changed from 15 to 25 W
6.A.8.1. Note	- «used» replaced with «designed»
6.A.8. Technical Note 1	- «used» replaced with «designed»
6.D.3.h.1.	- «application "programs"» deleted after "software"
<b>Category 7</b>	
7.A.8. Nota Bene	- «Category» deleted before 6.A.1.a. and 8.A.2. - editorial
7.D.3.e.	- hyphen added in circulation-controlled before «anti-torque» - editorial
7.E.4.c.3. & Technical Note	- spelling of airfoils changed to aerofoils - editorial
<b>Category 8</b>	No amendments were made to Category 8
<b>Category 9</b>	
9.A.4.; 9.A.4.g.	- "sub-orbital craft" added to entry
9.B.1.c.	- entry modified - Validity Note for 9.B.1.c. is deleted
9.B.4.; 9.E.3.a.6.	- spelling of airfoil changed to aerofoil - editorial
9.E.3.a.2.e.	- new entry for 'pressure gain combustion' together with a local definition in a new Technical Note - new 3-year Validity Note for 9.E.3.a.2.e.
9.E.3.a.4. and 5.	- removal of hyphen in defined term "tip shrouds" - editorial
<b>Sensitive List</b>	
9.B.1.	- chapeau modified - sub-entry c. modified
<b>Very Sensitive List</b>	No amendments were made to the Very Sensitive List
<b>Munitions List</b>	
ML1., Note d.	- 'Deactivated firearms' changed from a global to a local definition in a new Technical Note
ML1.d.3.	- entry modified to refer to 'gun-mountings' together with a local definition in a new Technical Note
ML10.f.	- ground equipment is no longer a local definition (removal of single quotes) - the Technical Note defining ground equipment is replaced by a Note
ML13	- «accessories» is added to the chapeau - para. c. is modified to include a cascading structure of sub-paras. 1., 2. and 3.
ML13., Note 2	- Note 2 is modified including sub-paras. a. and b.
ML18.b.	- «not specified elsewhere» is added to the entry

Category/Item	Comments
<b>Definitions</b>	
"Compensation systems"	- «the» added after «reduction of» - editorial
"Deactivated firearm"	- definition deleted; replaced by a local definition in ML1., Note d.
"Diffusion bonding"	- reference to Cat 9 deleted - editorial
"Gate-All-Around Field-Effect Transistor" ("GAAFET")	- new definition
"Program"	- reference to Cat 2 deleted - editorial
"Required"	- reference to Cat 3 added - editorial
<b>Acronyms and Abbreviations</b>	
ECAD	- new entry
GAAFET	- new entry
<b>Statements of Understanding and Validity Notes</b>	
9.B.1.c.	- Validity Note deleted
9.E.3.a.2.e.	- new 3-year Validity Note