

SUMMARY OF CHANGES

LIST OF DUAL-USE GOODS & TECHNOLOGIES AND MUNITIONS LIST

as of 9 December 2004

The following table outlines the changes approved by the December 2004 Plenary and made to the last published List of Dual-Use Goods & Technologies and Munitions List (WA-LIST (03) 1). However, it should be used only as a reference.

The changes include all agreed Experts Group amendments made prior to 1 December 2004 and those made during the Plenary meeting on 8-9 December.

The new version of the Control Lists is WA-LIST (04) 1.

Category/Item	Comments
GSN	No change
Category 1	
1.C.8.a.4.	Last part of the sentence, referring to ASTM, has been deleted.
1.C.8.b.	ASTM measurement replaced by ISO
1.C.8.f.	Amended to include glass transition temperature
1.C.8. Technical Note	ASTM measurement replaced by ISO
Category 2	
2.B. - Technical Note 2	Entry modified, excluding sub-paras a., b. and c.
2.B.1.c. Note 2	Entry amended to refer to positioning accuracy (sub-paras a. and b. deleted)
2.B.5.a., b., c., d., e., f., g. 2.B.6.a.	All instances of "stored programme controlled" deleted, including in Categories 3 & 8 and definition deleted

Category/Item	Comments
Category 3	
3.A.1.a.3.c.	Entry modified
3.A.1.a.5.a.	Sub-paras 1 – 4 amended; sub-para 5 added
3.A.1.a.5. Technical Note	Technical Note modified to include new paras 2., 3. and 4.
3.A.2.c.	Para 1 amended; new para 2 added ; existing para 2 renumbered 3, including reference in the Note
3.B.1.c.1. and 2.	Critical dimension in para a. changed to 180 nm
3.B.1.f.1.a.	Light source wavelength changed to 245 nm
3.B.1.f.1.b.	Minimum resolvable feature size changed to 180 nm
3.B.1.f.1.b. Technical Note	In the formula for MRF, μm changed to nm and K factor parameter changed to 0.45
3.B.2.	“Stored programme controlled” deleted
3.B.2.b., Note and Technical Note	Entries deleted
Category 4	
4.A.3.c., Note 1	Editorial correction - 4.A.3.d. deleted from end of Note
4.D.1.b.1.	CTP valued changed to 75,000 Mtops
4.E.1.b.1.	CTP valued changed to 75,000 Mtops
Category 5 – Part 1	
5.A.1.d.	Parameter modified to 31.8 GHz
5.A.1.e.	Entry was moved from 7.A.7. to Cat 5-Part 1
Category 5 – Part 2	No changes

Category/Item	Comments
Category 6	
6.A.1.a.2.a.	Para 1 made into two paragraphs; existing para 2 renumbered 3 and amended; existing paras 3., 4. & 5. renumbered 4., 5., & 6.
6.A.1.a.2.a. Technical Note	Two new paras added to the Technical Note and paragraphs numbered
6.A.2.a.	New Note 1 and N.B. added together with a Validity Note
6.A.2.a.3.	Note 2 modified together with a Validity Note
6.A.2.a.3.f.	New entry added for infrared “focal plane arrays” based on micro-bolometer material and new Technical Note together with a Validity Note
6.A.3.b.4.	Entry amended, including sub-para b. together with new Notes 1 and 3 and a Validity Note
6.A.6.a.	Entry amended to include paragraphs 1., 2. & 3. existing paras b. to g. renumbered and reformatted existing para h. deleted
6.E.3.f.	Entry deleted
Category 7	
7.A.2.a.	Entry amended, including sub-paras 1. and 2. new para b. added together with a Note and Technical Note existing para b. relettered c.
7.A.7.	Entry moved to 5.A.1.e.
Category 8	
8.A.2.h. 8.A.2.i.2. and Note	“Stored programme controlled” deleted

Category/Item	Comments
Category 9	
9.A.1.a., b., & c.	Entries rewritten, including the Note
9.A.12.	Validity Note for unmanned aerial vehicles deleted
Sensitive List	
4.D.1. and 4.E.1.	CTP value changed from 75,000 to 190,000 Mtops
6.A.6.a.	New entry added for magnetometers
Very Sensitive List	
4.D.1. and 4.E.1.	Entries deleted
Munitions List	
General Technology Note	Deleted
ML7 chapeau	"tear gases" replaced by "riot control agents"; reference to "technology" deleted;
ML7.a. Note	Note becomes part of ML7.a. entry; chemical names in paragraphs 2., 3., & 4. are individually numbered or lettered
ML7.c.	Entry rewritten; new Note 2 added; "tear gases" deleted from Note 1;
ML7.i.	Entry transferred to ML22
Note 1 at the end of ML7	Entry f. deleted
Note 2 at the end of ML7	Reference to "technology" and to ML7.i.3. deleted
ML8.d.	New Note 2 added
ML8.f.4.d.	CAS number corrected
ML10 chapeau; ML10.b.; ML10.c.1.	"lighter-than-air vehicles" added
ML10.h.	'and specially designed components' added

Category/Item	Comments
Munitions List (Contd)	
ML11	New paras a. and b. added for GNSS jamming equipment; paras in the Note renumbered
ML12	Note 3 transferred to ML22
ML22	Entry largely rewritten
SOUs and Validity Notes	
Categories 3 and 5 – Part 1	Statement of Understanding deleted regarding ITU definition
Category 5 – Part 1	New Validity Note for 5.A.1.f. (jamming equipment)
Category 6	New Validity Note for infrared “focal plane arrays” based on micro-bolometer material and cameras incorporating them.
Category 9	Validity Note deleted (UAVs)
Definitions	
"Allocated by the ITU"	Definition modified to refer to the current edition of the ITU Radio Regulations (Cat 3 and 5-P1)
"Lighter-than-air vehicles"	New definition added (ML10)
"Microprogramme"	Entry deleted - is no longer used in the Lists
"Riot control agents"	New definition added (ML7)
"Solidify rapidly"	Entry deleted - is no longer used in the Lists
"Tear gases"	Definition deleted (ML7)
"Technology"	Last sentence of the definition amended (no change to the Technical Notes)