



Ministero dello Sviluppo Economico

DIREZIONE GENERALE PER LA POLITICA COMMERCIALE INTERNAZIONALE
Divisione IV – Esportazione beni a duplice uso, embarghi commerciali ed armi chimiche

Comunicato Regolamento delegato (UE) 2018/1922 della Commissione

Il 15 dicembre 2018 è entrato in vigore il Regolamento delegato (UE) 2018/1922 della Commissione del 10 ottobre 2018, pubblicato nella Gazzetta Ufficiale dell'Unione europea L 319 del 14 dicembre 2018. Trattasi di una versione aggiornata e consolidata dell'Allegato I del Regolamento (CE) n. 428/2009, testo base che istituisce un regime comunitario di controllo delle esportazioni, del trasferimento, dell'intermediazione e del transito di prodotti a duplice uso.

Come è noto, l'Allegato I del Regolamento (CE) n. 428/2009 stabilisce l'elenco comunitario dei prodotti a duplice uso sottoposti ad autorizzazione nell'Unione europea. Come di consueto, la nuova versione dell'Allegato I recepisce le modifiche apportate nell'ambito degli accordi internazionali sul controllo dei prodotti a duplice uso, ovvero l'intesa di Wassenaar, il regime di non proliferazione nel settore missilistico, il gruppo dei fornitori nucleari, il Gruppo Australia e la Convenzione sulle armi chimiche.

Si ritiene opportuno evidenziare che le modifiche di cui all'Allegato I riguardano anche i prodotti a duplice uso contemplati negli Allegati da II *bis* a II *octies*, nonché nell'Allegato IV del regolamento base.

Il nuovo elenco contiene numerose modifiche, come qui a seguire meglio specificate.

Roma, 20 dicembre 2018

OVERVIEW

The changes implemented are a result of the review of the Wassenaar Arrangement (WA) Dual Use Lists, Missile Technology Control Regime (MTCR) Technical Annexes, Nuclear Suppliers Group and Australia Group (AG) Common Control Lists during the course of 2017.

Publically available source Regime documents containing changes:

WA – List of Dual-Use Goods and Technologies and Munitions List (WA-LIST (17) 1

MTCR – Equipment, Software and Technology Annex dated 18 May 2017 (MTCR/TEM/2017/Annex)

MTCR – Equipment, Software and Technology Annex dated 19 October 2017 (MTCR/TEM/2017/Annex)

NSG – Part 2 Control List Update from Bern Plenary in 2017

AG – Australia Group website listing as 31 December 2017.

POINTS OF PARTICULAR INTEREST

Your attention is drawn to the following proposed changes that are not a straight forward implementation the 2017 Regime changes:

- Nuclear Software Note (NSN) added as a result of the agreed proposal put forward by Sweden (Document no.: CG/2017/May/02). The new Note also includes reference to Cat 5 items to take into account the GISN.
- As a result of the agreed NSG changes at the Bern Plenary of 2017 there are 3 proposed amendments. These are the deletion of 1B229, creation of 1B235 and amendment of 3A233. However these changes are only published as Update documents and are yet to be included in the NSG INFCIRC Guidelines. If MS wish their implementation into the Annex to be delayed until they are in the NSG Guidelines please advise accordingly.
- 1C350.65 has been created to specify the new AG control for N,N-Diisopropylaminoethanethiol hydrochloride. This was previously specified by 1C450 so to avoid it being controlled in 2 places 1C450.b.6. has been amended.
- A separate new control for prefabricated repair assemblies for reaction vessels or reactors and storage tanks has been added to 2B350 rather than expanding the respective controls already in 2B350.
- The MTCR derived control for launch support equipment in 9A115 has been amended to better reflect the intention to control such equipment relating to 300+km UAVs only.

EDITORIAL PRACTICES

In the ROG a full stop (period) is used to separate the whole numbers from the decimals, and whole numbers are presented in a series of three, each series being separated by a thin space.

The publication in the Official Journal of the European Communities will use a comma to separate the whole numbers from the decimals.

Regime references are included in the margins of each control entry to aid understanding of where they originate and where the controls are relevant to more than one Regime. These will not appear in the published Annex.

SUMMARY OF CHANGES FOR EACH SECTION OF ANNEX I:

Bracketed terms mean the definition, Note or control entry has completely disappeared from Annex.

Contents, Notes & Acronyms	Regime	Comment
General Technology Note (GTN) & Note	Edit	Minor editorial changes
Nuclear Software Note (NSN) & Note	NSG 2016	New Note to reflect status of software in NSG guidelines; Note added to take into account the GISN
General Software Note (GSN)	Edit	References to Category 0 removed; N.B. changed to Notes.
RNSS	MTCR	New acronym/abbreviation

Definition		
"Automatic target tracking"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Carbon fibre preforms"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Commingled"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Comminution"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Compound rotary table"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Deformable mirrors"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Direct-acting"	WA	Definition deleted, replaced by local definitions in the

hydraulic pressing"		form of a Technical Note against relevant control.
"Electronically steerable phased array antenna"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Flight control optical sensor array"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Flight path optimization"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Frequency mask trigger"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Frequency synthesiser"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Gas atomisation"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Geographically dispersed"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Hot isostatic densification"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Interleaved Analogue-to-Digital Converter (ADC)"	WA	New definition.
"Laser"	Edit	Removed reference to "Transfer laser".
"Linearity"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Main storage"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Mechanical alloying"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Melt extraction"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Melt spinning"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Multiple channel Analogue-to-Digital Converter (ADC)"	WA	New definition.
"Neural computer"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Optical computer"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Plasma atomisation"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Power management"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Primary flight control"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Real-time bandwidth"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Rotary atomisation"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Sample rate"	WA	New definition.

"Settling time"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Steady state mode"	WA	New definition.
"Splat Quenching"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Systolic array computer"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Time-to-steady-state registration"	Edit	New global definition for Category 6 as used in WA and MTCR controls. Local definition deleted.
"Transfer laser"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Vacuum atomisation"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Variable geometry airfoils"	WA	Definition deleted, replaced by local definitions in the form of a Technical Note against relevant control.
"Compensation systems"	WA	Double quotes added to "magnetometers".
"Cryptographic activation"	WA	'Specifically' added before 'activates' and 'secure' deleted before 'mechanism'.
"Interleaved Analogue-to-Digital Converter (ADC)"	WA	New definition for Category 3.

Category 0		
<i>No Changes</i>		

Category 1		
1A002	WA	Minor amendment to chapeau text.
1A002.a.	WA	Entry for "composite" structures or laminates rewritten and split into two sub-entries.
1A002.a.1.	WA	New sub-entry for "composite" structures or laminates made from "fibrous or filamentary materials".
1A002.a.2.	WA	New sub-entry for "composite" structures or laminates made from prepregs or preforms.
1A002.b.	WA	Minor amendment to the text.
1B117	MTCR	Control parameters for batch mixers moved from chapeau to new sub-entries.
1B117.a.	MTCR	New sub-parameters for batch mixers.
1B117.b.	MTCR	New sub-parameters for batch mixers.
1B117.c.	MTCR	New sub-parameters for batch mixers.
1B117.d.	MTCR	New sub-parameters for batch mixers.
1B117 Note	MTCR	Amendment to reflect changes to sub-parameters
1B118	MTCR	Control parameters for continuous mixers moved from chapeau to new sub-entries.
1B118.a.	MTCR	New sub-parameters for continuous mixers.

1B118.b.	MTCR	New sub-parameters for continuous mixers.
1B118.c.	MTCR	New sub-parameters for continuous mixers.
1B228.c.1. & 2.	Edit	Minor amendment to the text.
(1B229)	NSG	Control on water-hydrogen sulphide exchange tray columns deleted.
1B234.a.	Edit	Minor amendment to the text.
1B235	NSG	New control for tritium production target assemblies.
1C001	WA	Minor amendment to the text for control on electromagnetic radiation absorbing materials.
1C001.b.	WA	Control parameters now make reference to wavelength as well as frequency, and identifies this as 'near-infrared radiation'.
1C002.c.2.a.	WA	Single quotes replace double quotes around 'Vacuum atomisation'.
1C002.c.2.b.	WA	Single quotes replace double quotes around 'Gas atomisation'.
1C002.c.2.c.	WA	Single quotes replace double quotes around 'Rotary atomisation'.
1C002.c.2.d.	WA	Single quotes replace double quotes around 'Splat quenching'.
1C002.c.2.e.	WA	Single quotes replace double quotes around 'Melt spinning' and 'comminution'.
1C002.c.2.f.	WA	Single quotes replace double quotes around 'Melt extraction' and 'comminution'.
1C002.c.2.g.	WA	Single quotes replace double quotes around 'Mechanical alloying'.
1C002.c.2.h.	WA	Single quotes replace double quotes around 'Plasma atomisation'.
1C002.d.3.a.	WA	Single quotes replace double quotes around 'Splat quenching'.
1C002.d.3.b.	WA	Single quotes replace double quotes around 'Melt spinning'.
1C002.d.3.c.	WA	Single quotes replace double quotes around 'Melt extraction'
1C002 <i>Tech Notes 1 to 10</i>	WA	Ten new technical notes containing local definitions of above terms. These replace global definitions.
1C010.d.2.	WA	Single quotes replace double quotes around 'commingled'.
1C010.d.2. <i>Tech Note</i>	WA	New technical note containing local definition of 'commingled'. This replaces the global definition.
1C010.e. & <i>Note 1</i>	WA	Single quotes replace double quotes around 'carbon fibre preforms'.
1C010.e. <i>Tech Note 1</i>	WA	New technical note containing local definition of 'carbon fibre preforms'. This replaces the global definition.
1C010.e. <i>Tech Note 2</i>	WA & Edit	Original Technical Note renamed 2 and minor amendment to the text.
1C118.a.1, 2 & 3	MTCR	Minor amendment to the text of control on titanium-stabilised duplex stainless steel.
1C226	Edit	Minor amendment to the text.

1C236 <i>Tech Note</i>	Edit	Minor amendment to the text.
1C350.65	AG	New control for N,N-Diisopropylaminoethanethiol hydrochloride. Was controlled by 1C450 as a CWC chemical of concern.
1C350 <i>Note 1 & Note 2</i>	Edit	Notes include reference to new control.
(1C352)	Edit	Delete reference to 'not used' control.
1C353.a. a.1 & a.2.	AG	Genetic elements/organisms control re-written
1C353 <i>Tech Note 1</i>	AG	Note on genetically-modified organisms amended for clarification.
1C353 <i>Tech Note 2</i>	AG	Note now clarifies that genetic elements include elements that are considered 'recoverable'.
1C353 <i>Tech Note 3</i>	AG	Note for clarification on endow or enhance pathogenicity.
1C353 <i>Note</i>	AG	Decontrol extended to serogroups O26, O45, O103, O104, O111, O121, O145.
1C450.b.6.	AG	N,N-Diisopropylaminoethanethiol hydrochloride moved to 1C350.65.
1E104	MTCR & Edit	Minor amendment to the text. Reference to [M7E1] corrected to [M6E3].

Category 2		
2A001 <i>Note</i>	WA	'(or national equivalents)' added.
2B <i>Tech Note 5e</i>	Edit	Minor amendment to the text.
2B001.a. <i>Note 2</i>	WA	'and' deleted after 'drilling'.
2B001.c.1.b.	WA	Three or four axes' replaces "Three or more axes '.
2B006	WA	Chapeau now includes 'position feedback units' for controls on dimensional inspection systems.
2B006.a.	WA	"numerical controlled" replaces "numerically controlled"
2B006.b.	WA	Entry rewritten. Controls Linear displacement measuring instruments or systems, linear position feedback units, and "electronic assemblies". Angular displacement measuring systems moved to new entry 2B006.c. and 2B206.d.
2B006.b. <i>Note</i>	WA	Minor amendment to the text.
2B006.b.1.	WA	As per previous control 2B006.b.1.a.
2B006.b.1. <i>Tech Note</i>	WA	New local definition of 'non-contact type measuring systems'.
2B006.b.2.	WA	New control for linear position feedback units. As per previous control 2B008.a.
2B006.b.3.	WA	As per previous control 2B006.b.1.c.
2B006.b.4.	WA	As per previous control 2B006.b.1.d.
2B006.c.	WA	New control for angular displacement measuring instruments and rotary position feedback units. Control replaces 2B006.b.2. and 2B008.b. Accuracy given in arc seconds, not degrees.

2B006.d.	WA	As per previous control 2B006.c.
2B007.a. & (<i>Tech Note</i>)	WA	Control on image processing/'scene analysis' robots deleted, now 'not used'. Relating Technical Note also deleted.
2B008	WA	Control rewritten to reflect sub-controls being deleted. Chapeau only refers to 'Compound rotary tables' and "tilting spindles".
2B008.a.	WA	Control deleted, replaced by 2B006.b.2. and therefore 'not used'.
2B008.b.	WA	Control deleted, replaced by 2B006.c. and therefore 'not used'.
2B008.c.	WA	Control amended and only refers to 'Compound rotary tables'. Single quotes replace double quotes around 'Compound rotary tables'. Two new sub-entries added. "Tilting spindles" now controlled by new sub-control 2B008.d.
2B008.c. & <i>Tech Note</i>	WA	New technical note containing local definition of 'Compound rotary tables'. This replaces the global definition.
2B008.d.	WA	New entry for "Tilting spindles".
2B109 & (<i>Note</i>)	MTCR	Amended to reduce the scope to only flow-forming machines usable in the "production" of propulsion components and equipment for "missiles"; Note deleted.
2B109.a.1.	MTCR	Minor amendment to the text.
2B120.a.	MTCR	Minor amendment to the text for control on motion simulators.
2B121	MTCR	Minor amendment to the text for control on positional tables.
2B121.a.	MTCR	Minor amendment to the text.
2B122	MTCR	Minor amendment to the text for control on centrifuges.
2B201 <i>Tech Note f</i>	Edit	Minor amendment to the text.
2B201 <i>Note 3</i>	Edit	Minor amendment to the text.
2B206.c.2.	Edit	Amendment to the text to align with NSG
2B226.a. <i>Note</i>	Edit	Note now in correct position under 2B226.a. instead of 2B226.b.
2B227.a.	Edit	Amendment to the text to align with NSG
2B227.b.	Edit	Amendment to the text to align with NSG
2B350.a. N.B.	AG	New Nota Bene referring to new control entry for prefabricated repair assemblies.
2B350.c. N.B.	AG	New Nota Bene referring to new control entry for prefabricated repair assemblies.
2B350.k.	AG	New control entry for prefabricated repair assemblies for reaction vessels or reactors and storage tanks, containers or receivers.
2B351	AG	Minor amendment to control on toxic gas monitors.
2B352	Edit	Chapeau amended to include biological manufacturing equipment. This reflects new controls on synthesisers.
2B352.a.2.	Edit	Minor amendment to the text.

2B352.b.1.	AG	Minor amendment to control on fermenters.
2B352.b.2.	Edit	Minor amendment to the text.
2B352.i.	AG	New control for nucleic acid assemblers and synthesisers.
2D002 <i>Note 3</i>	Edit	Minor amendment to the text.
2E003.a.	WA	Control on technology for interactive graphics deleted, now 'not used'.
2E003.b.1.c.	WA	Single quotes replace double quotes around 'Direct-acting hydraulic pressing'.
2E003.b.2.c.	WA	Single quotes replace double quotes around 'Direct-acting hydraulic pressing'.
2E003.b.2.d.	WA	Single quotes replace double quotes around 'Hot isostatic densification'.
2E003.b. <i>Tech Notes</i>	WA	Two new technical notes containing local definitions of 'Hot isostatic densification' and 'Direct-acting hydraulic pressing'. These replace global definitions.
2E003.d.	WA	Control on technology for the development of generators of machine tool instructions deleted, now 'not used'.

Category 3		
3A <i>Note 1, Note 2 & N.B.</i>	WA	Entries corrected to restore reference to 3A001.a.13.
3A001.a.2.	WA	Electrical Erasable Programmable Read Only Memories (EEPROMs)', 'flash memories', and 'Magnetic Random Access Memories (MRAMs)' deleted. 'Non-volatile memories' added.
3A001.a.2. <i>Tech Note</i>	WA	New local definition of 'Non-volatile memories'.
3A001.a.5.a.	WA	Output rate replaced by "sample rate" in entry for ADCs and DACs.
3A001.a.5.a. <i>Tech Notes</i>	WA	Technical notes amended. Notes 3, 6, 7, 8 and 9 deleted. "Multiple channel ADCs" and "interleaved ADCs" are now global definitions.
3A001.a.5.b.2.a.	WA	'arrive at or within' added to Digital-to-Analogue Converters control.
3A001.a.7. <i>Note</i>	WA	Simple Programmable Logic Devices (SPLDs) deleted.
3A001.a.14.	WA	'or are programmable to perform' added to entry for integrated circuits. 'Input sample rate' replaced by "sample rate".
3A001.a.14. <i>Tech Note</i>	WA	New technical notes on analogue-to-digital conversions.
3A001.b.2. <i>Note 2 & Note 3</i>	WA	Double quotes added to "MMIC".
3A001.b.4. N.B.1.	WA	Double quotes added to "MMIC".
3A001.b.4. N.B.3.	WA	New Nota Bene for harmonic mixers in 3A001.b.7.
3A001.b.11	WA	Single quotes replace double quotes around

		'Frequency synthesiser'.
3A001.b.11. <i>Tech Note</i>	WA	New local definition of 'Frequency synthesiser'.
3A001.e.1.a.	WA	Control parameters moved from entry to two new sub-entries.
3A001.e.1.a.1. & 3A001.e.1.a.2.	WA	New sub-entries for high energy 'primary cells'. Control now dependent on two parameters; 'Energy density' and 'continuous power density'
3A001.e.1.a. <i>Tech Note 5</i>	WA	New local definition of 'continuous power density'.
3A001.i. & <i>Note & Tech Note</i>	WA	New entry for electro-optical modulators, including a Note and Technical Note.
3A002.c.1.	WA	40 MHz replaces 10 MHz for "Signal analysers" having a 3 dB resolution bandwidth.
3A002.c.4.a.	WA	Single quotes replace double quotes around 'real-time bandwidth'.
3A002.c.4.b.2.	WA	Single quotes replace double quotes around 'frequency mask trigger'.
3A002.c.4. <i>Tech Notes</i>	WA	New local definitions of 'real-time bandwidth' and 'frequency mask trigger'. Previous Technical Notes 1 and 2 are now numbered 2 and 3.
3A002.h.	WA	Input sample rate' replaced by "sample rate" in entry for ADCs. Where applicable giga and mega samples per second is used over million samples per second.
3A002.h. <i>Tech Notes</i>	WA	New technical notes on ADCs explaining resolution and sample rates.
3A233	NSG	Mass spectrometer control amended to reference 'unified' amu.
3B001.h.	WA	Minor amendment to the text.
3B001.j. & <i>Tech Notes</i>	WA	New entry for mask "substrate blanks" and new Technical Note for 'Extreme Ultraviolet' ('EUV').
3B002.a.	WA	Frequency parameter removed. Entry now only controls equipment for testing items specified in 3A001.b.3.
3B002.c.	WA	Entry now only controls equipment for testing items specified in 3A001.b.2.
3C002.a.1.	WA	193nm replaces 245nm for positive resists wavelength parameter.
3C005	WA	Control on highly resistive materials now split into two sub-entries.
3C005.a.	WA	As per previous 3C005
3C005.b.	WA	New entry controlling polycrystalline "substrates" or polycrystalline ceramic "substrates".
3C006	WA	Entry now only controls substrates not specified in 3C001.
3E001 <i>Note 3</i>	WA	New decontrol for 'Process Design Kits' ('PDKs')
3E001 <i>Note 3 Tech Note</i>	WA	New local definition of 'Process Design Kits' ('PDKs').

Category 4		
Category 4 <i>Note 2</i>	WA	Single quotes replace double quotes around 'main storage'.
Category 4 <i>Tech Note</i>	WA	New local definitions of 'main storage'.
4A003.b.	WA	29 Weighted TeraFLOPS replaces 16 Weighted TeraFLOPS for control on digital computers.
4A004.a.	WA	Single quotes replace double quotes around 'systolic array computers'.
4A004.b.	WA	Single quotes replace double quotes around 'neural computers'.
4A004.c.	WA	Single quotes replace double quotes around 'optical computers'.
4A004 <i>Tech Notes</i>	WA	New local definitions of 'systolic array computers', 'neural computers' and 'optical computers'.
4D001.b.1.	WA	15 Weighted TeraFLOPS replaces 8.0 Weighted TeraFLOPS for control on software for digital computers.
4D004 <i>Note</i>	WA	New decontrol on updates or upgrades for software for intrusion software
4E001.b.1.	WA	15 Weighted TeraFLOPS replaces 8.0 Weighted TeraFLOPS for control on technology for digital computers.
4E001 <i>Note 1</i>	WA	New decontrol on 'vulnerability disclosure' and 'cyber incident response' for intrusion software
4E001 <i>Note 2</i>	WA	Note on compliance.
4E001 <i>Tech Note</i>	WA	New local definitions of 'vulnerability disclosure' and 'cyber incident response'.
Technical Note on 'APP'	WA	Minor amendment to the text.

Category 5 Part 1		
5A001.a.3.	WA	Upper and lower control parameters split between this control and a new sub-entry. This entry now only controls telecommunications equipment designed to operate below 218 K (-55°C).
5A001.a.4.	WA	New sub-entry for telecommunications equipment designed to operate above 397 K (124°C), as per previous 5A001.a.3.
5A001.a. <i>Note 1 & 2</i>	WA	Notes amended as a consequence of above.
5A001.d. & <i>Note 1</i>	WA	Single quotes replace double quotes around 'electronically steerable phased array antennae'.
5A001.d. <i>Note 2</i>	WA	New decontrol note for civil and commercial communications antennae.

5A001.d. <i>Tech Note</i>	WA	New local definition of 'electronically steerable phased array antennae'.
5A001.a.3.	WA	Upper and lower control parameters split between this control and a new sub-entry. This entry now only controls telecommunications equipment designed to operate below 218 K (-55°C).
5A001.a.4.	WA	New sub-entry for telecommunications equipment designed to operate above 397 K (124°C), as per previous 5A001.a.3.
5A001.d. & <i>Note 1</i>	WA	Single quotes replace double quotes around 'electronically steerable phased array antennae'.
5A001.d. <i>Note 2</i>	WA	New decontrol note for civil and commercial communications antennae.
Category 5 Part 2		
5A002.a.	WA	Amendment of text over cryptographic activation.
5A002.a.4.b.	Edit	Minor amendment to the text.
5A002.a. <i>Note 1.b.</i>	Edit	Minor amendment to the text.
5A002.a. <i>Note 1.i.2.b.</i>	Edit	Minor amendment to the text.
5A002.b.	WA	Amendment of text over cryptographic activation.
5D002.b.	WA	Amendment of text over cryptographic activation.
5E002.b.	WA	Amendment of text over cryptographic activation.

Category 6		
6A002.f.	WA	New entry for 'read-out integrated circuits' ('ROIC') specially designed for "focal plane arrays" .
6A002.f. <i>Note</i>	WA	New decontrol for ROICs for civil automotive applications.
6A002.f. <i>Tech Notes</i>	WA	New local definition of 'read-out integrated circuits' ('ROIC').
6A003.a.1.	WA	Control on high-speed cinema cameras deleted, now 'not used'.
6A003.a.2.	WA	Control on mechanical high-speed cameras deleted, now 'not used'.
6A003.a.3.	WA	Amendment to chapeau to remove mechanical streak cameras.
6A004.a.1.	WA	Single quotes replace double quotes around 'Deformable mirrors'.
6A004.a.1. <i>Tech Note</i>	WA	New local definition of 'Deformable mirrors'.
6A004.f.	WA	Entry for dynamic wavefront measuring equipment moved from 6A005.f.1.
6A004.f. <i>Tech Note</i>	WA	New local definition of 'frame rate'.
6A005.a.6.b.2. <i>Note 1</i>	WA	Minor amendment to the text.
6A005.d.1.e.2. <i>Note 1 & Note 2</i>	Edit	Minor amendment to the text.
6A005.d.5.c.	WA	Single quotes replace double quotes around 'Transfer lasers'.

6A005.d.5.c. Tech Note	WA	New local definition of 'Transfer lasers'.
6A005.f.1.	WA	Entry for dynamic wavefront measuring equipment moved to 6A004.f., now 'not used'.
6A005.f.2.	WA	Amendment to text, including 'specially designed for' replaces 'capable of' for laser diagnostic equipment
6A005.f.3.	WA	Control parameters for coherent beam combination equipment moved from chapeau to new sub-entries.
6A005.f.3.a.	WA	New sub-entry containing parameters for coherent beam combination equipment previously contained in the chapeau.
6A005.f.3.b.	WA	New sub-entry containing parameters for coherent beam combination equipment previously contained in the chapeau.
6A006.e.	Edit	Minor amendment to the text.
6A007.b.2.	MTCR	Double quotes replace single quotes around 'time-to-steady-state registration'.
6A007.b. <i>Tech Note</i>	MTCR	Local definition for 'time-to-steady-state registration' deleted. Now a global definition.
6A008.e.	WA	Scanned array antennae' replaces 'steerable array antennae'.
6A008.e. <i>Tech Note</i>	WA	New technical note explaining scanned array antennae are also known as steerable array antennae.
6A008.1.1.	WA	Single quotes replace double quotes around 'Automatic target tracking'.
6A008.1.1. <i>Tech Note</i>	WA	New local definition for 'Automatic target tracking'.
6A008.1.4.	WA	Single quotes replace double quotes around 'geographically dispersed'.
6A008.1.4. <i>Tech Note</i>	WA	New local definition for 'geographically dispersed'.
6A108.a. <i>Note</i>	MTCR	Note updated with what tracking equipment 6A108.a. includes.
6A203 <i>Note</i>	Edit	Minor amendment to the text.
6A205.d.	Edit	Minor amendment to the text.
6A205.g.	Edit	Minor amendment to the text.
6D003.a.5.a.	Edit	Minor amendment to the text.
6D003.f.3.	Edit	Minor amendment to the text.
6D003.f.4.	Edit	Minor amendment to the text.
6D003.h.2.	WA	Minor amendment to text including 'electronically scanned array antennae' replacing "electronically steerable phased array antennae".
6E203	Edit	Minor amendment to the text.

Category 7		
7A003.d.1.	Edit	Minor amendment to the text.
7A006.a.	WA	Single quotes replace double quotes around 'Power management'.
7A006 <i>Tech Note</i>	WA	New local definition for 'Power management'.
7A103.d.	MTCR	Capable of providing' deleted for three axis magnetic

		heading sensors.
7A105	MTCR	Navigation satellite systems' replaces 'Global Navigation Satellite Systems'.
7A105.b.2.	MTCR	Navigation satellite systems' replaces 'GNSS'.
7A105.b. <i>Note</i>	MTCR	Navigation satellite systems' replaces 'GNSS'.
7A105 <i>Tech Note</i>	MTCR	New local definition for 'navigation satellite system'.
7A115 <i>Note</i>	MTCR	Note updated with what equipment 7A105, 7A106 and 7A115 includes.
7E004.a.5.	WA	Single quotes replace double quotes around 'primary flight control'.
7E004.a.5. <i>Tech Note</i>	WA	New local definition for 'Primary flight control'.
7E004.a.6.	WA	Single quotes replace double quotes around 'Flight control optical sensor array'.
7E004.a.6. <i>Tech Note</i>	WA	New local definition for 'Flight control optical sensor array'.
7E004.b.5.	WA	Single quotes replace double quotes around 'flight path optimisation'.
7E004.b.5. <i>Tech Note</i>	WA	New local definition for 'flight path optimisation'.
7E004.c.3.	WA	Single quotes replace double quotes around 'variable geometry airfoils'.
7E004.c.3. <i>Tech Note</i>	WA	New local definition for 'variable geometry airfoils'.

Category 8		
<i>No Changes</i>		

Category 9		
9A002	WA	Control parameters for 'Marine gas turbine engines' moved from chapeau to new sub-entries.
9A002.a.	WA	New sub-entry containing parameters for 'Marine gas turbine engines'. "Steady state mode" replaces continuous power rating, and reference to ISO standard included.
9A002.b.	WA	New sub-entry containing parameters for 'Marine gas turbine engines'. 'Corrected specific fuel consumption' replaces specific fuel consumption.
9A002 <i>Tech Note</i>	WA	New local definition for 'corrected specific fuel consumption'.
9A004.f.1.	WA	Entry rewritten to control telemetry and telecommand for data processing, with two new sub-entries.
9A004.f.1.a.	WA	New entry for telemetry data processing equipment for monitoring operational status.
9A004.f.1.b.	WA	New entry for command data processing equipment
9A004.f.2.	WA	Control now control simulators specially designed for 'verification of operational procedures' of "spacecraft".
9A004.f.2. <i>Tech Note</i>	WA	New local definition of 'verification of operational procedures'.

9A010.b.2.c.	Edit	Minor amendment to the text.
9A101.a.	MTCR	Amendment control on turbojet and turbofan engines to accommodate new sub-entries.
9A101.a.3.	MTCR	'Dry weight' added as a new sub-entry parameter.
9A101.a.4.	MTCR	'First-stage rotor diameter' added as a new sub-entry parameter.
9A101.a. <i>Tech Notes</i>	MTCR	Minor amendment to the text. New local definitions for 'First-stage rotor diameter' and 'Dry weight'.
9A115.a. & <i>Tech Note</i>	Edit	Control on launch support equipment amended to align with MTCR control; Tech Note added.
9A115.b.	Edit	Control amended to align with MTCR control.
9D001	WA	not specified in 9D003 or 9D004' added to entry.
9D002	WA	not specified in 9D003 or 9D004' added to entry.
9D004.b.	WA	Control entry for software for testing aero gas turbine engines rewritten into new sub-entries.
9D004.b.1.	WA	New sub-entry.
9D004.b.1.a.	WA	New sub-entry for software for testing aero gas turbine engines.
9D004.b.1.b.	WA	New sub-entry for software for testing multi-stage compressors for aero gas turbine engines.
9D004.b.2.	WA	New sub-entry.
9D004.b.2.a.	WA	New sub-entry for software for acquisition and processing of data.
9D004.b.2.b.	WA	New sub-entry for software for feedback control.
9D004.b. <i>Note</i>	WA	Decontrol for safety software.
9E003.a.2.d.	Edit	Minor amendment to the text.
9E003.a.2 <i>Tech Note 2</i>	WA	Double quotes replace single quotes around "steady state mode".
9E003.a.5 (<i>Tech Note 2</i>)	WA	Technical note on steady state mode now deleted.
9E003.c.	Edit	Minor amendment to the text.
9E003.c. <i>Tech Note 4</i>	WA	Amendment to text, including the addition of 'beam machining' as a method for manufacturing holes.

Annex IV		
3E201 (<i>second occurrence of this control only</i>)	Edit	Correction to entry