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Highlights of Key Changes

Category Code	Changes
<i>Munitions List</i>	
Definitions	
“fibrous or filamentary materials”	New definition
“fuel cell”	New definition
ML2.d.	Add control on mountings for weapons specially for the weapons specified in ML2.a.
ML5.c.	New Note
ML8.b.7.	Add control on “propellants” specially designed for military use
ML10.h.	Clarify controls on parachutes, paragliders and related equipment
ML11.a. <i>N.B.</i>	New reference to ML21 for software associated with military Software Defined Radio (SDR)
ML17.p.	Add control on “fuel cells”

<i>Dual-Use List</i>	
Definitions	
“bias (accelerometer)”	Definition amended for clarity
“explosives”	New definition
“fusible”	New definition
“multi-data-stream processing”	Definition deleted
“noise level”	Definition deleted
“nuclear reactor”	Definition amended for clarity
“personal area network”	New definition
“personal smart card”	Definition amended for clarity
“riot control agent”	New definition

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Category Code	Changes
Category 1 – Special Materials and Related Equipment	
1A002 <i>Note 3</i>	Relax control on certain composite structures
1A003	Clarify the control requirement for manufactures of non-fusible aromatic polyimides
1A004.d.	Add control on certain electronic equipment specially designed for automatically detecting or identifying the presence of explosive residues
1A008	New control on certain charges, devices and components
1B003.c.	Elaborate control on certain tools, dies, moulds or fixtures specially designed for airframe or aerospace structures and aircraft or aerospace engines
1B101.a.	Add control on certain fibre placement machines
1C111.c.7.	Add control on certain propellant additives and agents
1D003	Expand control to include software specially designed or modified for equipment specified in Category Code 1A004.d.
1D101	Expand control to include software specially designed or modified for use of goods specified in Category Code 1B102, 1B115, 1B117, 1B118 or 1B119.
1E001	Expand control to include technology for the development or production of equipment or materials specified in Category Code 1A006.B. and 1A007.
Category 2 – Materials Processing	
2B116.b.	Clarify the control requirement for certain digital controller
2B120.b.	Clarify control requirement for certain motion simulators
2B122	Clarify control requirement for certain centrifuges
2B350.g.9.	Add control on certain valves made of specific ceramic materials
2B351	Clarify on control requirements of toxic gas monitoring systems
2B352.d.	Expand control on certain cross (tangential) flow equipment and components
2D351	New control on software specially designed for the use of equipment specified in Category Code 2B351.

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Category Code	Changes
Category 3 – Electronics	
3A001.a.7.	Remove control on certain field programmable logic devices
3A001.a.10.	Relax control on certain custom integrated circuits by uplifting the control parameters
3A001.b.10	Add control on certain oscillators
3A001.c.1.	Relax control on certain acoustic wave devices by uplifting the control parameters
3A001.f.	Relax control on certain rotary input type absolute position encoders by uplifting the control parameters
3A001.h.	Add control on certain solid-state power semiconductor switches, diodes or modules
3A002.d.3.a.	Relax control on certain frequency synthesized signal generators by uplifting the control parameters
3A002.d.4.	Confine control on certain frequency synthesized signal generators
3B001.a.1. <i>Note</i>	Clarify control requirements for certain equipment for manufacturing semiconductor devices
Category 4 – Computers	
4D001.b.	Relax control on software specially designed or modified for the development or production of certain digital computers by uplifting the control parameters
4D003	Remove control on specific operating system software, software development tools and compilers specially designed for multi-data-stream processing equipment, in source code
4E001.b.	Relax control on technology specially designed or modified for the development or production of certain digital computers by uplifting the control parameters
Category 5 – Part 1 – Telecommunications	
5A001.f.3	Expand control on specified types of jamming equipment
5A001.h.	Add control on certain electronic equipment designed to activate or prevent initiation of Radio Controlled Improvised Explosive Devices

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Category Code	Changes
5B001.a.	Remove control on certain equipment and specially designed components or accessories for the development, production or use of equipment, functions or features specified in Category Code 5B001, 5D001 or 5E001.
5B001.b.2.b.	Clarify control requirement for certain equipment employing laser
5D001	Remove control on certain software specially designed or modified for the development, production or use of equipment, functions or features specified in Category Code 5B001
5E001.c.2.d.	Confine control on certain equipment employing laser
5E001.c.6.	Add control on technology for the development or production of certain mobile equipment
5E001.d.	Add control on certain technology for the development or production of Microwave Monolithic Integrated Circuits (MMIC) power amplifiers specially designed for telecommunications
5E001.e.	Add control on certain technology for the development or production of electronic devices and circuits specially designed for telecommunications and containing components manufactured from superconductive materials
Category 5 – Part 2 – Information Security	
5A002.a.7.	Add control on certain non-cryptographic information and communications technology security systems and devices
5A002.a. <i>Note h.</i>	Relax control on certain equipment designed for servicing of portable or mobile radiotelephones and similar client wireless devices with cryptographic functions
5A002.a. <i>Note i.</i>	Relax control on certain wireless personal area network equipment with published or commercial cryptographic standard
5A002.a. & b.	Relax control on certain information security test equipment
Category 6 – Sensors and Lasers	
6A001.c.	Add control on certain diver deterrent acoustic systems
6A002.a.1.d	Add control on certain optical detectors
6A002.a.2.	Clarify control requirements on certain image intensifier tubes
6A002.b. <i>Note</i>	Relax control on certain monospectral imaging sensors

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6A002.e.	Remove control on certain space qualified focal arrays
6A003.b.4.d.	Remove control on certain imaging cameras incorporating focal plane arrays
6A005.b.6.b.	Clarify control requirement for certain non-tunable pulsed lasers
6A006	Clarify control requirement for magnetometers
6A008.j.3.	Expand control on Light Detection and Ranging (LIDAR) equipment
6A008.j. <i>Note 3</i>	Clarify on computation of control parameters
6A108.b.2.a.	Relax control on certain range instrumentation radars by uplifting the control parameters
6D003.c.	Add control on software designed or modified for certain cameras incorporating focal array planes
6D003.f.	Add control on software specially designed for certain magnetic and electric field compensation systems and software specially designed for magnetic and electric field anomaly detection
Category 7 – Navigation and Avionics	
7A101	Relax control on certain accelerometers
Category 8 – Marine	
8A002.b.3.	Expand the control of certain submersible vehicles
8A002.f.	Clarify control requirements for certain electronic imaging systems specially designed or modified for underwater use
Category 9 – Aerospace and Propulsion	
9A012.b.	Clarify control requirements for associated systems, equipment and components for unmanned aerial vehicles
9A108	Elaborate control on certain components specially designed for solid rocket propulsion systems
9E101	Add control on certain technology for the production of UAVs
9E102	Expand control to include technology for the use of UAVs