

Summary of changes to the DSGL 2007

DSGL Part 1 Munitions List

New entries

Item No.	Goods description
ML9.b.4.	Air Independent Propulsion (AIP) systems, specially designed for submarines.
ML11a.8.	Military digital troposcatter-radiocommunications transmission equipment and military digital demodulators specially designed for signals intelligence.

Amendments to existing listings

ML2	Smooth-bore rifles with a calibre of 20mm or more .
ML910	Clarification of the scope of controls on non-military explosives to include devices filled with those controlled non-military explosives.

DSGL Part 2 Dual-use List

New Dual-Use List entries in response to emerging technologies

Category 1	Materials, Chemicals, “Microorganisms and Toxins”
1C111A	Non-fluorinated polymeric hydrazine derivatives.

Category3	Electronics
3A001	Solid-state pulsed power switching thyristor devices and thyristor modules.
3A102	Thermal batteries designed or modified for missiles.

Category 5	Part 1 - Telecommunications
5A001.g	Passive coherent location systems or equipment.

Category 7	Navigation and Avionics
7A008	Underwater sonar navigation systems, using Doppler velocity or correlation velocity logs, combining heading data with sonar velocity data. Technology for the development or production of Data-Based Referenced Navigation (DBRN) systems, designed to navigate underwater using sonar or gravity databases.

Amendments to existing Dual-use list entries to reflect technology advancements

Category 0	Nuclear Materials, Facilities and Equipment
0B001.b.14	Gas centrifuge bellows valves made of, or protected by, materials resistant to corrosion by uranium hexafluoride.

Category 1	Materials, Chemicals, “Microorganisms and Toxins”
1B001	Non-destructive inspection equipment specially designed for composite materials , including X-ray tomography systems and numerically controlled ultrasonic testing machines.
1C005	Superconductive composite conductors which remain superconductive above -158.16°C.
1C111.b	The polymeric substance polytetrahydrofuran polyethylene glycol (TPEG).
1C351.d.9	The toxins shiga-like ribosome inactivating proteins .
1C351.e	Fungi , either in the form of isolated live cultures, or as material including living material which has been inoculated or contaminated with coccidioides immitis or coccidioides posadasii.
1E002.g.	Software libraries (parametric technical databases) that enable equipment to perform the functions of controlled equipment.

Category 2	Materials Processing
2B002	Numerically controlled optical finishing machine tools, with three or more axes, using magnetorheological finishing (MRF), electrorheological finishing (ERF) or energetic particle beam finishing methods .
2B350	Chemical manufacturing facilities, equipment and components using niobium (columbium) or niobium alloys .

Category 3	Electronics
3A001	Microwave power modules (MPM) .
3B001	Imprint lithography equipment capable of producing features of 180 nm or less and imprint lithography templates designed for controlled integrated circuits.
3C005	Silicon carbide (SiC) wafers having a resistivity of more than 10,000 ohm-cm .

Category 6	Sensors and Lasers
6A005	Fibre lasers used in manufacturing and medical fields .

Category 7	Navigation and Avionics
7B003	Manufacturing equipment specially designed for the production of fibre-optic coil winding machines .

Category 8	Marine
8A002.3.	Components, not yet in the final component form , manufactured from syntactic foam.

Category 9	Title changed to “Aerospace and Propulsion”
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9A111 9A118	Pulse jet engines , usable in unmanned aerial vehicles, and their specially designed components and devices to regulate combustion in engines, which are usable in unmanned aerial vehicles.
9D004	Software specially designed to design the internal cooling passages of aero gas turbine blades, vans and tip shrouds.

Changes to existing Dual-use list entries to improve clarity of controls

Category 3	Electronics
3A001	Solar cells, cell-interconnect-coverglass (CIC) assemblies , solar panels and solar arrays, which are 'space-qualified'.
3E002	Technology for the development or production of microcircuits having a vector processing unit designed to perform more than two calculations on floating-point vectors simultaneous

Category 7	Navigation and Avionics
7A001 7A002 7A003	Inertial measurement equipment including Inertial Measurement Units (IMU) and Inertial Reference Systems (IRS) , incorporating controlled accelerometers or gyros, and their components.

The following bolded entries have been **removed** or amended in part to remove **sub-items** that are no longer subject to control.

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ML19	Directed energy weapon systems (DEW) test models of systems, equipment and components, <u>no longer including</u> related test results .
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DSGL Part 2 Dual-use List

1C008	<u>Polyarylene ether ketones, i.e. polyether ketone ketone (PEKK), polyether ketone (PEK) and polyether ketone ether ketone (PEKEKK).</u>
1C450	Toxic chemicals and toxic chemical precursor controls, <u>no longer including</u> products identified as consumer goods packaged for retail sale for personal use or packaged for individual use.
6A005	Lasers, <u>no longer including</u> ruby lasers with output energy below 20 joules, nitrogen or krypton lasers.