

**Highlights of
the Import and Export (Strategic Commodities) Regulations
(Amendment of Schedule 1) Order 2004**

The major changes brought about by the Import and Export (Strategic Commodities) Regulations (Amendment of Schedule 1) Order 2004 are highlighted as follows:

**Classification
Code**

Changes

Munitions List

- | | |
|----------|--|
| ML1, ML2 | – Elaborate the control of smooth-bore weapons. |
| ML6 | – Include all wheel-drive vehicles manufactured to provide a specified ballistic protection. |
| ML7 | – Elaborate protective and decontamination equipment. |
| ML8 | – Complete re-draft of explosive materials and related substances. |
| ML10 | – Add the control on equipment specially designed for high altitude parachutists.
– Add the control on military crash helmets and protective masks and specially designed components. |
| ML11 | – Add the control on guidance and navigation equipment. |
| ML14 | – Clarify specialised equipment for military training. |
| ML17 | – Add the control on ferries and pontoons specially designed for military use. |
| ML18 | – Remove the control on technology and move it to ML22. |
| ML22 | – Re-draft the control on technology. |

Dual-use Goods List

- | | |
|-----------------------------------|--|
| General
Software Note
(GSN) | – De-control software sold from stock by means of electronic transactions. |
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Category 1 – Materials, Chemicals, Microorganisms, and Toxins

- | | |
|--------|--|
| 1B, 1C | – Re-formatting of the clauses on nuclear-related materials. |
| 1C107 | – New parameters are defined for fine grain recrystallized bulk graphites. |

**Classification
Code**

Changes

- 1C111 – New control on mixed oxides of nitrogen
- 1C351 – New viruses and toxins are added to the biological control list.
- 1C450 – Remove the military agents in 1C450(c).

Category 2 – Material Processing

- 2B – Re-formatting of the clauses on nuclear-related dual-use equipment.
- 2B001 – The following two types of grinding machines were removed from the de-controlled list:
 - (a) Tool or cutter grinding machines limited to the production of tools or cutters.
 - (b) Crank shaft or cam shaft grinding machines.
- 2B002 – New additional control on numerically controlled machine tools.
- 2B119 – 2B122 – Restructure the clause 7B104.
- 2B350 –
 - Revise the heat transfer surface area of heat exchangers or condensers.
 - Revise the controlling limits for valves.
 - Further controls on components of chemical manufacturing equipment.
- 2B352 –
 - Tighten the control on the capacity of fermenters from 100 litres to 20 litres.
 - Tighten the control on the condenser capacity of steam sterilisable freeze drying equipment.

Category 3 – Electronics

- 3A – Re-formatting of the clauses on nuclear-related dual-use equipment.
- 3A001 –
 - Add controlling limit on radiation hardened Integrated Circuits.
 - Remove the control on general purpose microprocessors.
 - Relax the control on analogue-to-digital converters.
 - Relax the control on the basic gate propagation delay time of field programmable logic devices from 0.4 ns to 0.1 ns.
 - Add new note to de-control non-space qualified electronic vacuum tubes.
- 3A002 –
 - Add new control on digital instrumentation data recorders.
 - Relax the control on radio frequency signal analysers, frequency synthesised signal generators, network analysers, microwave test receivers and lithography equipment.
- 3A003 – Add new control on spray cooling thermal management system.

Classification Code

Changes

- 3E002 – Revise the note on multi-layer structures to mean three metal layers and three polysilicon layers.
- 3E003 – Add the control on technology for the development or production of electronic vacuum tubes operating at frequencies of 31GHz or higher.

Category 4 – Computers

- 4A003 – Relax the control on digital computers (revise the CTP from 28,000 Mtops to 190,000 Mtops).
– Remove the control on graphics accelerators and graphics coprocessors.
- 4D001 – Revise the control on software specially designed or modified for digital computers.
- 4D003 – Remove the control on operating systems specially designed for real time processing equipment which guarantees a global interrupt latency time of less than 20 μ s.
- 4E001 – Revise the control on technology specially designed or modified for digital computers.

Category 5, Part 1 – Telecommunications

- 5A001 – Add a new control on radio equipment employing time-modulated ultra-wideband techniques, having user programmable channelizing or scrambling codes.
- 5B001 – Relax the control on optical fibre characterization equipment.
– Relax the control on total digital transfer rate from 1.5 Gbit/s to 15 Gbit/s.
- 5E001 – Elaborate the technology of digital cellular radio base station receiving equipment.
- 5B001, 5D001 and 5E001 – Relax the control on development equipment, software and technology that are specially designed or modified for radio equipment employing quadrature-amplitude-modulated techniques from level 128 to level 256.
– Relax the control on total digital transfer rate from 1.5 Gbit/s to 15 Gbit/s.

Category 5, Part 2 – Information Security

- 5A002 – Add a new control on encryption equipment using cryptographic techniques to generate channelizing or scrambling codes for time-modulated ultra-wideband systems.
- 5A002 Note – Elaborate the decontrol note on personalised smart cards.

**Classification
Code**

Changes

Category 6 – Sensors and Lasers

- 6A – Re-formatting of the clauses on nuclear-related dual-use equipment.
- 6A001 – Relax the control hydrophone, kind of passive marine acoustic equipment.
- 6A002 – Relax the control on image intensifier tube, non-spaced qualified focal plane arrays
- 6A003 – Relax the control on image cameras.
- 6A005 – Revise the controlling limits for semiconductor lasers.
- 6A108 – Add a note to the radar systems to provide examples of controlled systems.

Category 7 – Navigation and Avionics

- 7A003 – Re-draft of the Inertial navigation systems and inertial equipment designed for aircraft, land vehicles or spacecraft.
- 7A101 – Add the control on continuous output accelerometers specified to function at acceleration levels exceeding 100g.
- 7A103 – Revised controls on navigation systems.
- 7A105 – Revised controls on Global Navigation Satellite Systems (GNSS).
- 7A116 – New control on flight servo valves.
- 7B – Re-structure the clauses.

Category 9 – Propulsion Systems, Space Vehicles and Related Equipment

- 9A012 – Add a new control on unmanned aerial vehicles.
- 9A101 – Tighten the control on the maximum thrust value and the specific fuel consumption for lightweight turbojet and turbofan engines usable in missiles.

The above list is for reference only. For details of the amendments, please refer to the Import and Export (Strategic Commodities) Regulations (Amendment of Schedule 1) Order 2004. For details of the strategic commodities control list, in addition to the above-mentioned Amendment Order, please also refer to the Schedules to the Import and Export (Strategic Commodities) Regulations.