

**Commonly Not-Controlled**  
**Integrated Circuits, Electronic Components and Equipment**

The following is a list of integrated circuits, electronic components and equipment which are normally not subject to the import/export licensing control as stipulated in the Import and Export (Strategic Commodities) Regulations unless they are to be used in any activity related to nuclear, chemical or biological weapons, or missiles capable of delivering these weapons -

**Important Note** - The items highlighted and marked with \* are updated items. They will not be subject to the import/export licensing control when the Import and Export (Strategic Commodities) Regulations (Amendment of Schedules 1 and 2) Order 2021 comes into operation on 17 September 2021.

- (A) Electronic components such as low energy storage capacitors, resistors, diodes with continuous current not greater than 1A, and microwave transistors with operating frequencies not exceeding 2.7 GHz and continuous current not greater than 1A
- (B) Integrated circuits, not designed or rated as radiation hardened to withstand controlling thresholds, as follows:

*Note:* There is no limit on the operating ambient temperature for integrated circuits described in this section

- (1) Power amplifier integrated circuits with operating frequencies not exceeding 2.7 GHz, as follows:
  - (a) Operational amplifiers
  - (b) Isolation amplifiers
  - (c) Instrumentation amplifiers
  - (d) Audio amplifiers
- (2) Voltage integrated circuits, as follows:
  - (a) Voltage comparators
  - (b) Voltage references
  - (c) Voltage regulators
- (3) Storage integrated circuits, not manufactured from a compound semiconductor, as follows:
  - (a) Dynamic random access memories (DRAM) including Fast Page RAM, EDO-RAM, SDRAM and SGRAM
  - (b) Unprogrammed ultra-violet erasable programmable read-only memories (UV-EPROM)
- (4) 74-series, 54-series and 4000-series logic integrated circuits

- (5) Integrated circuits designed or programmed for civil car electronics only (e.g., entertainment, instrumentation, safety, comfort or operations)
  - (6) Integrated circuits designed or programmed for home electronics only (e.g., audio and video equipment, appliances, safety, education, comfort, remote controlled toys or amusement)
  - (7) Integrated circuits designed or programmed for time-keeping applications only (e.g., watches, clocks)
- (C) Silicon-based integrated circuits, not designed or rated as radiation hardened to withstand controlling thresholds and not rated for operation at an ambient temperature below  $-55^{\circ}\text{C}$ , above  $+125^{\circ}\text{C}$  or over the entire range from  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ , as follows:
- (1) Microprocessor integrated circuits without cryptographic function as follows:
    - (a) Intel processors such as Celeron, Celeron D, Pentium III, Pentium III Xeon, Pentium 4, Pentium D, Pentium Processors Extreme Edition, mobile Pentium 4, Pentium M, Itanium, Atom, Xeon, Pentium and Core family, irrespective of the clock frequency
    - (b) AMD processors such as Athlon, Duron, Sempron, Turion, Opteron, Phenom, Ryzen and A-series, irrespective of the clock frequency
    - (c) Motorola processors (except security processors that should be assessed on cryptographic capability)
    - (d) PowerPC G3, G4, G5 and G6, irrespective of the clock frequency
  - (2) Storage integrated circuits not manufactured from a compound semiconductor, as follows:
    - (a) Non-volatile memories
    - (b) Static random-access memories (SRAM)
  - (3) Analogue-to-digital converter integrated circuits, as follows:
    - (a) Resolution less than 8 bit
    - (b) Sample rate not exceeding 1300\* MSPS (Mega Samples Per Second) for resolution of 8 bit or more, but less than 10 bit
    - (c) Sample rate not exceeding 600\* MSPS for resolution of 10 bit or more, but less than 12 bit
    - (d) Sample rate not exceeding 400\* MSPS for resolution of 12 bit or more, but less than 14 bit
    - (e) Sample rate not exceeding 250\* MSPS for resolution of 14 bit or more, but less than 16 bit
    - (f) Sample rate not exceeding 65\* MSPS for resolution of 16 bit or more

- (4) Digital-to-analogue converter integrated circuits satisfying any of the following:
  - (a) Resolution less than 10 bit
  - (b) Adjusted update rate not exceeding 3500 MSPS for resolution of less than 12 bit
  
- (5) Field programmable logic devices that having all of the following:
  - (a) A maximum number of single-ended digital input or outputs not greater than 700
  - (b) An aggregate one-way serial transceiver data rate of less than 500 Gb/s
  
- (D) Specially designed components, integrated circuits or modules without any cryptographic function for use in the telecommunications equipment, such as for FM/AM radio integrated circuits, integrated communications microprocessors, digital fast light communication laser modules, digital subscriber line transceivers and communication controllers of WAN, LAN, ATM, T1, T3, E1, E3 or ADSL lines.
  
- (E) General purpose electronic equipment
  - (1) Radio frequency signal analysers with operating frequencies not exceeding 31.8 GHz
  - (2) Signal generators with maximum synthesised frequency not exceeding 31.8 GHz
  - (3) Network analysers with a maximum operating frequency not exceeding 43.5 GHz
  - (4) Microwave test receivers with maximum operating frequency not exceeding 110 GHz

Note: The above list is indicative rather than exhaustive and should not be regarded as official classification rulings. Importers/exporters should refer to the above-mentioned Schedule for full details. This list no longer applies if the commodities concerned are specially designed or modified for military, nuclear or aerospace applications, or for other strategic commodities controlled by Schedule 1.