This list shows all of the Dept. of Commerce Export Control Classification Numbers (ECCNs) that have a designation of *not elsewhere specified* (**n.e.s.**) for one or more of the controlled items in that ECCN.
n.e.s in these circumstances acts as a catch all control. For example, this means that a particle accelerator of any type will always be controlled *at least* as 1B999.
Some items may be more controlled than the n.e.s ECCN, but will never fall to EAR99.

For purposes of High Risk Property control, this means that the items below will **always** be considered HRP at disposition (transfer, sale, disposal, etc).

This list is subject to change. Consult the BIS Commerce Control List for the most current information.
Current as of 31 March 2025

ECCN	Description	n.e.s. is related to specific commodities (i.e. isostatic presses)
0A503	Discharge type arms; non-lethal or less-lethal grenades and projectiles, and "specially designed" "parts" and "components" of those projectiles; and devices to administer electric shock, for example, stun guns, shock batons, shock shields, electric cattle prods, immobilization guns and projectiles; except equipment used to slaughter domestic animals or used exclusively to treat or tranquilize animals, and except arms designed solely for signal, flare, or saluting use; and "specially designed" "parts" and "components," n.e.s.	
0A506	Semi-Automatic Rifles as follows	b. Semi-automatic rifles equal to .50 caliber (12.7 mm) or less, including all non-centerfire (rimfire), n.e.s.
0A508	Semi-Automatic Shotguns as follows (see List of Items Controlled).	b. Semi-automatic shotguns, including all non-centerfire (rimfire), n.e.s.
0A617	0A617 Miscellaneous "Equipment," Materials, and Related Commodities (See List of Items Controlled).	y.3. ISO intermodal containers or demountable vehicle bodies (*i.e.,* swap bodies), n.e.s., "specially designed" or 'modified' for shipping or packing defense articles or items controlled by a "600 series" ECCN.
0A979	Police helmets and shields; and "specially designed" "components," n.e.s.	
0A982	Law enforcement restraint devices, including leg irons, shackles, and handcuffs; straight jackets; stun cuffs; shock belts; shock sleeves; multipoint restraint devices such as restraint chairs; and "specially designed" "parts," "components" and "accessories," n.e.s.	Does not apply to medical devices for restraining patients during medical procedures. Does not apply to devices that confine memory impaired patients to appropriate medical facilities. Does not apply to safety equipment such as safety belts or child automobile safety seats.
0A983	"Specially designed" implements of torture, including thumbscrews, thumbcuffs, fingercuffs, spiked batons, and "specially designed" "parts," "components" and "accessories," n.e.s.	

1A984	Chemical agents, including tear gas formulation containing 1 percent or less of orthochlorobenzalmalononitrile (CS), or 1 percent or less of chloroacetophenone (CN), except in individual containers with a net weight of 20 grams or less; liquid pepper except when packaged in individual containers with a net weight of 3 ounces (85.05 grams) or less; smoke bombs; non-irritant smoke flares, canisters, grenades and charges; and other pyrotechnic articles having dual military and commercial use, and “parts” and “components” “specially designed” therefor, n.e.s.	
1A999	1A999 Specific Processing Equipment, n.e.s., as Follows (See List of Items Controlled).	a. Radiation detection, monitoring and measurement equipment, n.e.s.; b. Radiographic detection equipment such as x-ray converters, and storage phosphor image plates.
1B999	Specific processing equipment, n.e.s., as follows (see List of Items Controlled).	a. Electrolytic cells for fluorine production, n.e.s. b. Particle accelerators. c. Industrial process control hardware/systems designed for power industries, n.e.s. d. Freon and chilled water cooling systems capable of continuous cooling duties of 100,000 BTU/hr (29.3 kW) or greater. e. Equipment for the production of structural composites, fibers, prepregs and preforms, n.e.s.
1C992	Commercial charges and devices containing energetic materials, n.e.s. and nitrogen trifluoride in a gaseous state (see List of Items Controlled).	
1C999	Specific Materials, n.e.s., as Follows (See List of Items Controlled).	a. Hardened steel and tungsten carbide precision ball bearings (3mm or greater diameter); b. 304 and 316 stainless steel plate, n.e.s.; c. Monel plate; d. Tributyl phosphate; e. Nitric acid in concentrations of 20 weight percent or greater; f. Fluorine; g. Alpha-emitting radionuclides, n.e.s.
1D999	Specific Software, n.e.s., as Follows (See List of Items Controlled).	a. Software “specially designed” for industrial process control hardware/systems controlled by 1B999, n.e.s.; b. Software “specially designed” for equipment for the production of structural composites, fibers, prepregs and preforms controlled by 1B999, n.e.s.
2A983	Explosives or detonator detection equipment, both bulk and trace based, consisting of an automated device, or combination of devices for automated decision making to detect the presence of different types of explosives, explosive residue, or detonators; and “parts” and “components,” n.e.s.	a. Explosives detection equipment for automated decision making to detect and identify bulk explosives utilizing, but not limited to, x-ray (e.g., computed tomography, dual energy, or coherent scattering), nuclear (e.g., thermal neutron analysis, pulse fast neutron analysis, pulse fast neutron transmission spectroscopy, and gamma resonance absorption), or electromagnetic techniques (e.g., quadropole resonance and dielectrometry). b. [Reserved] c. Detonator detection equipment for automated decision making to detect and identify initiation devices (e.g. detonators, blasting caps) utilizing, but not limited to, x-ray (e.g. dual energy or computed tomography) or electromagnetic techniques.

2A984	Concealed object detection equipment operating in the frequency range from 30 GHz to 3000 GHz and having a spatial resolution of 0.1 milliradian up to and including 1 milliradian at a standoff distance of 100 meters; and “parts” and “components,” n.e.s.	Note: Concealed object detection equipment includes but is not limited to equipment for screening people, documents, baggage, other personal effects, cargo and/or mail. Technical Note: The range of frequencies span what is generally considered as the millimeter-wave, submillimeter-wave and terahertz frequency regions.
2A999	Specific Processing Equipment, n.e.s., as Follows (See List of Items Controlled).	a. Bellows sealed valves; b. Reserved.
2B991	Numerical control units for machine tools and “numerically controlled” machine tools, n.e.s. (see List of Items Controlled).	a. “Numerical control” units for machine tools: a.1. Having four interpolating axes that can be coordinated simultaneously for “contouring control;” or a.2. Having two or more axes that can be coordinated simultaneously for “contouring control” and a minimum programmable increment better (less) than 0.001 mm; a.3. “Numerical control” units for machine tools having two, three or four interpolating axes that can be coordinated simultaneously for “contouring control,” and capable of receiving directly (on-line) and processing computer-aided-design (CAD) data for internal preparation of machine instructions; or b. “Motion control boards” “specially designed” for machine tools and having any of the following characteristics: b.1. Interpolation in more than four axes; b.2. Capable of “real-time processing” of data to modify tool path, feed rate and spindle data, during the machining operation, by any of the following: b.2.a. Automatic calculation and modification of part program data for machining in two or more axes by means of measuring cycles and access to source data; or b.2.b. “Adaptive control” with more than one physical variable measured and processed by means of a computing model (strategy) to change one or more machining instructions to optimize the process. b.3. Capable of receiving and processing CAD data for internal preparation of machine instructions; or c. “Numerically controlled” machine tools that, according to the manufacturer's technical specifications, can be equipped with electronic devices for simultaneous “contouring control” in two or more axes and that have both of the following characteristics: c.1. Two or more axes that can be coordinated simultaneously for contouring control; and c.2. Positioning accuracies according to ISO 230/2 (2006), with all compensations available: c.2.a. Better than 15 μm along any linear axis (overall positioning) for grinding machines; c.2.b. Better than 15 μm along any linear axis (overall positioning) for milling machines; or c.2.c. Better than 15 μm along any linear axis (overall positioning) for turning machines; or

2B991	Continued	d. Machine tools, as follows, for removing or cutting metals, ceramics or composites, that, according to the manufacturer's technical specifications, can be equipped with electronic devices for simultaneous “contouring control” in two or more axes: d.1. Machine tools for turning, grinding, milling or any combination thereof, having two or more axes that can be coordinated simultaneously for “contouring control” and having any of the following characteristics: d.1.a. One or more contouring “tilting spindles;” Note: 2B991.d.1.a. applies to machine tools for grinding or milling only. d.1.b. “Camming” (axial displacement) in one revolution of the spindle less (better) than 0.0006 mm total indicator reading (TIR); Note: 2B991.d.1.b. applies to machine tools for turning only. d.1.c. “Run out” (out-of-true running) in one revolution of the spindle less (better) than 0.0006 mm total indicator reading (TIR); d.1.d. The “positioning accuracies”, with all compensations available, are less (better) than: 0.001° on any rotary axis; d.2. Electrical discharge machines (EDM) of the wire feed type that have five or more axes that can be coordinated simultaneously for “contouring control.”
2B999	Specific Processing Equipment, n.e.s., as Follows (See List of Items Controlled).	a. Isostatic presses, n.e.s. b. Bellows manufacturing equipment, including hydraulic forming equipment and bellows forming dies. c. Laser welding machines. d. MIG welders. e. E-beam welders. f. Monel equipment, including valves, piping, tanks and vessels. g. 304 and 316 stainless steel valves, piping, tanks and vessels. Note: Fittings are considered part of “piping” for purposes of 2B999.g. h. Mining and drilling equipment, as follows: h.1. Large boring equipment capable of drilling holes greater than two feet in diameter. h.2. Large earth-moving equipment used in the mining industry. i. Electroplating equipment designed for coating parts with nickel or aluminum. j. Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater. k. Vacuum valves, piping, flanges, gaskets and related equipment “specially designed” for use in high-vacuum service, n.e.s. l. Spin forming and flow forming machines, n.e.s. m. Centrifugal multiplane balancing machines, n.e.s. n. Austenitic stainless-steel plate, valves, piping, tanks and vessels.
3A980	Voice print identification and analysis equipment and “specially designed” “components” therefor, n.e.s.	
3A981	Polygraphs (except biomedical recorders designed for use in medical facilities for monitoring biological and neurophysical responses); fingerprint analyzers, cameras and equipment, n.e.s.; automated fingerprint and identification retrieval systems, n.e.s.; psychological stress analysis equipment; electronic monitoring restraint devices; and “specially designed” “components” and “accessories” therefor, n.e.s.	

3A991	Electronic devices, and “components” not controlled by 3A001.	p. Integrated circuits, n.e.s., having any of the following: p.1. A processing performance of 8 TOPS or more; or p.2. An aggregate bidirectional transfer rate over all inputs and outputs of 150 Gbyte/s or more to or from integrated circuits other than volatile memories.
3A992	General purpose electronic equipment, not controlled by 3A002, as Follows (See List of Items Controlled).	a. Electronic test equipment, n.e.s.
3A999	Specific Processing Equipment, n.e.s., as Follows (See List of Items Controlled).	d. Pulse amplifiers, n.e.s.; f. Chromatography and spectrometry analytical instruments, n.e.s.
4A980	Computers for fingerprint equipment, n.e.s.	
4A994	Computers, “electronic assemblies” and related equipment, not controlled by 4A001 or 4A003, and “specially designed” “parts” and “components” therefor (see List of Items Controlled).	l. Computers, “electronic assemblies,” and “components,” n.e.s., containing integrated circuits, any of which meets or exceeds the limit of ECCN 3A991.p
5A991	Telecommunication equipment, not controlled by 5A001 (see List of Items Controlled).	c. “Stored program controlled” switching equipment and related signaling systems, having any of the following characteristics, functions or features, and “specially designed” “parts,” “components” and “accessories” therefor: Note: Statistical multiplexers with digital input and digital output which provide switching are treated as “stored program controlled” switches. c.1. “Data (message) switching” equipment or systems designed for “packet-mode operation” and “parts,” electronic assemblies and “components” therefor, n.e.s. c.2. [Reserved] c.3. Routing or switching of “datagram” packets; c.4. [Reserved] Note: The restrictions in 5A991.c.3 do not apply to networks restricted to using only “network access controllers” or to “network access controllers” themselves. c.5. Multi-level priority and pre-emption for circuit switching; Note:5A991.c.5 does not control single-level call preemption. c.6. Designed for automatic hand-off of cellular radio calls to other cellular switches or automatic connection to a centralized subscriber data base common to more than one switch; c.7. Containing “stored program controlled” digital cross connect equipment with “digital transfer rate” exceeding 8.5 Mbit/s per port. c.8. “Common channel signaling” operating in either non-associated or quasi-associated mode of operation; c.9. “Dynamic adaptive routing”; c.10. Being packet switches, circuit switches and routers with ports or lines exceeding any of the following: c.10.a. A “data signaling rate” of 64,000 bit/s per channel for a “communications channel controller”; or Note: 5A991.c.10.a does not control multiplex composite links composed only of communication channels not individually controlled by 5A991.b.1. c.10.b. A “digital transfer rate” of 33 Mbit/s for a “network access controller” and related common media; Note: 5A991.c.10 does not control packet switches or routers with ports or lines not exceeding the limits in 5A991.c.10. c.11. “Optical switching”; c.12. Employing “Asynchronous Transfer Mode” (“ATM”) techniques. g. Mobile communications equipment, n.e.s., and “parts,” electronic assemblies and “components” therefor; or
5B991	Telecommunications test equipment, n.e.s.	

5E992	“Information Security” “technology” according to the General Technology Note, not controlled by 5E002, as follows (see List of Items Controlled).	b. “Technology”, n.e.s., for the “use” of mass market commodities controlled by 5A992 or mass market “software” controlled by 5D992.
6A991	Marine or terrestrial acoustic equipment, n.e.s., capable of detecting or locating underwater objects or features or positioning surface vessels or underwater vehicles; and “specially designed” “parts” and “components,” n.e.s.	
6A996	“Magnetometers” not controlled by ECCN 6A006, “Superconductive” electromagnetic sensors, and “specially designed” “components” therefor, as follows (see List of Items Controlled).	a. “Magnetometers”, n.e.s., having a 'sensitivity' lower (better) than 1.0 nT (rms) per square root Hz.
6A997	Gravity meters (gravimeters) for ground use, n.e.s., as follows (see List of Items Controlled).	a. Having a static accuracy of less (better) than 100 microgal; or b. Being of the quartz element (Worden) type.
6A998	Radar systems, equipment and major “components,” n.e.s., and “specially designed” “components” therefor, as follows (see List of Items Controlled).	a. Airborne radar equipment, n.e.s., and “specially designed” “components” therefor. b. “Space-qualified” “laser” radar or Light Detection and Ranging (LIDAR) equipment “specially designed” for surveying or for meteorological observation. c. Millimeter wave enhanced vision radar imaging systems “specially designed” for rotary wing aircraft and having all of the following: c.1. Operates at a frequency of 94 GHz; c.2. An average output power of less than 20 mW; c.3. Radar beam width of 1 degree; and c.4. Operating range equal to or greater than 1500 m.
6A999	Specific processing equipment, as follows (see List of Items Controlled).	b. Radiation hardened TV cameras, n.e.s.
6D991	“Software,” n.e.s., “specially designed” for the “development”, “production”, or “use” of commodities controlled by 6A002, 6A003, 6A991, 6A996, 6A997, or 6A998.	
7A994	Other navigation direction finding equipment, airborne communication equipment, all aircraft inertial navigation systems not controlled under 7A003 or 7A103, and other avionic equipment, including “parts” and “components,” n.e.s.	
7D994	“Software”, n.e.s., for the “development”, “production”, or “use” of navigation, airborne communication and other avionics.	
7E994	“Technology”, n.e.s., for the “development”, “production”, or “use” of navigation, airborne communication, and other avionics equipment.	
8A992	Vessels, marine systems or equipment, not controlled by 8A001 or 8A002, and “specially designed” “parts” and “components” therefor, and marine boilers and “parts,” “components,” “accessories,” and “attachments” therefor (see List of Items Controlled).	d. Other underwater camera equipment, n.e.s.; e. Other submersible systems, n.e.s.; f. Vessels, n.e.s., including inflatable boats, and “specially designed” “parts” and “components” therefor, n.e.s.; g. Marine engines (both inboard and outboard) and submarine engines, n.e.s.; and “specially designed” “parts” and “components” therefor, n.e.s.; h. Other self-contained underwater breathing apparatus (scuba gear) and related equipment, n.e.s.;
9A980	9A980 Nonmilitary mobile crime science laboratories; and accessories, n.e.s.	N/A

9A990	Diesel engines, n.e.s., and tractors and “specially designed” “parts” and “components” therefor, n.e.s. (see List of Items Controlled).	a. Diesel engines, n.e.s., for trucks, tractors, and automotive applications of continuous brake horsepower of 400 BHP (298 kW) or greater (performance based on SAE J1349 standard conditions of 100 Kpa and 25°) b. Off highway wheel tractors of carriage capacity 9 mt (20,000 lbs) or more; and major “components” and accessories, n.e.s. c. On-Highway tractors, with single or tandem rear axles rated for 9 mt per axel (20,000 lbs.) or greater and “specially designed” major “components”.
9A991	“Aircraft,” n.e.s., and gas turbine engines not controlled by 9A001 or 9A101 and “parts” and “components,” n.e.s. (see List of Items Controlled).	a. Military aircraft, demilitarized (not specifically equipped or modified for military operation), as follows: a.1 Cargo aircraft bearing “C” designations and numbered C-45 through C-118 inclusive, C-121 through C-125 inclusive, and C-131, using reciprocating engines only. a.2 Trainer aircraft bearing “T” designations and using reciprocating engines or turboprop engines with less than 600 horsepower (s.h.p.). a.3 Utility aircraft bearing “U” designations and using reciprocating engines only. a.4 All liaison aircraft bearing an “L” designation. a.5 All observation aircraft bearing “O” designations and using reciprocating engines. b. Aircraft n.e.s.; c. Aero gas turbine engines, and “parts” and “components” “specially designed” therefor. Note: 9A991.c does not control aero gas turbine engines that are destined for use in civil “aircraft” and that have been in use in bona fide civil “aircraft” for more than eight years. If they have been in use in bona fide civil “aircraft” for more than eight years, such engines are controlled under 9A991.d. d. “Parts” and “components,” “specially designed” for “aircraft,” n.e.s. e. Pressurized aircraft breathing equipment, n.e.s.; and “parts” and “components” “specially designed” therefor, n.e.s.
9B990	Vibration test equipment and “specially designed” “parts” and “components,” n.e.s.	
9D990	“Software”, n.e.s., for the “development” or “production” of equipment controlled by 9A990 or 9B990.	
9E990	“Technology”, n.e.s., for the “development” or “production” or “use” of equipment controlled by 9A990 or 9B990.	