

# Export Administration Regulations (EAR) Commerce Control List (CCL) Categories

## Categories of Items/Technology (Information)/Software Controlled

CCL Category	EXAMPLES
<b>CATEGORY 0—NUCLEAR MATERIALS, FACILITIES, AND EQUIPMENT [AND MISCELLANEOUS ITEMS]</b>	“Specially designed” components and parts for ammunition; Shotguns with barrel length 18 inches (45.72 cm) or over; oil and gas exploration equipment, software, and data
<b>CATEGORY 1—SPECIAL MATERIALS AND RELATED EQUIPMENT, CHEMICALS, “MICROORGANISMS,” AND “TOXINS”</b>	Fingerprinting powders, dyes, and inks; pumps capable of circulating solutions of concentrated or dilute potassium amide catalyst in liquid ammonia (KNH <sub>2</sub> /NH <sub>3</sub> ), human and animal pathogens and “toxins, such as Brucella abortus; Cholera toxin
<b>CATEGORY 2—MATERIALS PROCESSING</b>	Portable electric generators and “specially designed” “parts” and “components”; vibration test systems, motion simulators; Biocontainment chambers, isolators, or biological safety cabinets
<b>CATEGORY 3 – ELECTRONICS</b>	Certain analog-to-digital converter microcircuits; frequency changes (converters or inverters); high-power or high-voltage direct current power supplies; mass spectrometers; automated fingerprint retrieval systems; photo-optical step and repeat cameras
<b>CATEGORY 4 - COMPUTERS</b>	Digital computers and software
<b>CATEGORY 5 – TELECOMMUNICATIONS AND INFORMATION SECURITY</b>	Telecommunication systems and equipment designed for being underwater; telecontrol equipment modified for unmanned aerial vehicles (including drones)  Information Security equipment modified to perform cryptanalytic functions (functions designed to defeat cryptographic mechanisms in order to derive confidential variables or sensitive data, including clear text, passwords or cryptographic keys.
<b>CATEGORY 6 – SENSORS AND LASERS</b>	Certain Side Scan Sonar (SSS) or Synthetic Aperture Sonar (SAS) designed for seabed imaging, specially designed transmitting and receiving acoustic arrays, and designed or modified to operate at depths exceeding 500m; and an ‘area coverage rate’ greater than 750 m <sup>2</sup> /s while operating at the maximum range with ‘along track resolution’ less than 15cm; and ‘across track resolution’ less than 15 cm.  Magnetometers, high-speed cameras, imaging devices; carbon dioxide lasers with a CW output power > 10 kW
<b>CATEGORY 7 – NAVIGATION AND AVIONICS</b>	Linear accelerometers; gyros specified to function at acceleration levels less than or equal to 100 g; Galileo Global Navigation Satellite Systems
<b>CATEGORY 8 - MARINE</b>	Underwater camera equipment
<b>CATEGORY 9 – AEROSPACE AND PROPULSION</b>	Marine gas turbine engines; resin impregnated fiber prepregs and metal coated fiber preforms



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It is not intended as legal advice.

Questions? Email [ECUExportControls@ecu.edu](mailto:ECUExportControls@ecu.edu)