



DREXEL UNIVERSITY

Office of

Research &  
Innovation

**International Traffic in Arms (ITAR) U.S. Munitions List (USML) Categories and Examples**

USML Category	Example
I- Firearms, Close Assault Weapons, and Combat Shotguns	Combat shotguns, rifles, revolvers, submachine guns, technical data for some of these
II-Guns and Armament	Flame throwers, tooling and equipment and test models, target acquisition or damage assessment systems
III- Ammunition/Ordnance	Ammunition handling equipment, technical data and defense services
IV- Launch Vehicles, Guided Missiles, Ballistic Missiles, Rockets, Torpedoes, Bombs, and Mines	Rockets, bombs, torpedoes, hand grenades
V- Explosives and Energetic Materials, Propellants, Incendiary Agents, and Their Constituents	Explosives, Zirconium (CAS 7440-67-7), magnesium (CAS 7439-95-4), or alloys of these, lead salicylate (CAS 15748-73-9)
VI-Surface Vessels of War and Naval Special Equipment	Firing lasers, missiles
VII- Ground Vehicles	Software related to defense articles, rotary shock absorbers for vehicles weighing more than 30 tons
VIII-Aircraft and Related Materials	Unmanned aerial vehicles (UAVs), attack helicopters, target drones
IX- Military Training Equipment and Training	Training equipment for ground targets, missile launch trainers

X- Personal Protective Equipment	Body armor, parts and components for personal protective equipment
XI- Military Electronics	Electronic equipment with underwater hardware, equipment with active or passive acoustic array sensing systems or acoustic array equipment capable of real-time processing that survey or detect, and also track, localize, or identify, surface vessels, submarines, other undersea vehicles, having multi- static capability or operating frequency less than 20 kHz, or operating bandwidth greater than 10kHz
XII- Fire Control, Laser, Imaging, and Guidance Equipment	Developmental lasers funded by the Dept of Defense via contract or other funding authorization, imaging systems
XIII- Materials and Miscellaneous Articles	Military or intelligence cryptographic (including key management) systems, equipment, assemblies, modules, integrated circuits, components, and software (including their cryptographic interfaces) capable of maintaining secrecy or confidentiality of information or information systems, including equipment or software for tracking, telemetry, and control (TT&C) encryption and decryption; Non-transparent ceramic plate or blanks, greater than 1/4 inches thick and larger than 8 inches × 8 inches for transparent armor. This includes spinel and aluminum oxynitride (ALON); biological agents, such as Bacillus anthracis, Ebola virus, Variola major virus (Smallpox virus), AB-G-BRU-A Goat anti-Brucella abortus
XV- Space and Related Articles	Spacecraft, including satellites and space vehicles, whether designated developmental, experimental, research, or scientific, or having a commercial, civil, or military end-use, that are specially designed to mitigate effects (e.g., scintillation) of or for detection of a nuclear detonation
XVI- Nuclear Weapons Related Articles	Modeling or simulation tools that model or simulate the environments generated by nuclear detonations or the effects of these environments on systems, subsystems, components, structures, or humans.

XVIII Directed Energy Weapons	Directed energy weapons that cause ocular disruption or blindness
XIX-Gas and Turbine Engines and Associate Equipment	Turbofan and Turbojet engines (including those that are technology demonstrators, developmental engines, or variable cycle engines) capable of 15,000 lbf (66.7 kN) of thrust or greater
XX- Submersible Vessels and Related Articles	Submarines specially designed for military use
XXI- Articles, Technical Data, and Defense Services not otherwise Enumerated	Any article not enumerated on the US Munitions List (USML)