

# TECHNOLOGY CLASSIFICATION

## UNITED STATES MUNITIONS LIST (USML)

The United States Munitions List (USML) is a list of defense articles, services and related technical data designated as such by the federal government. These defense items are controlled by the [Arms Export Control Act](#) [22 U.S.C. 2778 and 2794(7)]. The List is divided into 21 categories of defense articles, ranging from firearms to nuclear weapons. The [United States Munitions List](#) can be found in Part 121 of the International Traffic In Arms Regulations (ITAR) [22 C.F.R. Chapter I, Subchapter M, Part 121].

- Category I - Firearms, Close Assault Weapons and Combat Shotguns
- Category II - Materials, Chemicals, Microorganisms, and Toxins
- Category III - Ammunition/Ordnance
- Category IV - Launch Vehicles, Guided Missiles, Ballistic Missiles, Rockets, Torpedoes, Bombs and Mines
- Category V - Explosives and Energetic Materials, Propellants, Incendiary Agents and Their Constituents
- Category VI - Vessels of War and Special Naval Equipment
- Category VII - Tanks and Military Vehicles
- Category VIII - Aircraft and Associated Equipment
- Category IX - Military Training Equipment
- Category X - Protective Personnel Equipment
- Category XI - Military Electronics
- Category XII - Fire Control, Range Finder, Optical and Guidance and Control Equipment
- Category XIII - Auxiliary Military Equipment
- Category XIV - Toxicological Agents, Including Chemical Agents, Biological Agents, and Associated Equipment
- Category XV - Spacecraft Systems and Associated Equipment
- Category XVI - Nuclear Weapons, Design and Testing Related Items
- Category XVII - Classified Articles, Technical Data and Defense Services Not Otherwise Enumerated
- Category XVIII - Directed Energy Weapons
- Category XX - Submersible Vessels, Oceanographic and Associated Equipment

## EXPORT CONTROL CLASSIFICATION NUMBER (ECCN)

ECCNs are five character alpha-numeric designations used on the [Commerce Control List](#) (CCL) [Supplement No. 1 to Part 774 of the EAR] to identify dual-use items for export control purposes. An ECCN categorizes items based on the nature of the product, i.e. type of commodity, software, or technology and its respective technical parameters.

### Commerce Control List Categories

0 = Nuclear materials, facilities and equipment (and miscellaneous items)  
1 = Materials, Chemicals, Microorganisms and Toxins  
2 = Materials Processing  
3 = Electronics  
4 = Computers  
5 = Telecommunications and Information Security  
6 = Sensors and Lasers  
7 = Navigation and Avionics  
8 = Marine  
9 = Propulsion Systems, Space Vehicles, and Related Equipment

### Five Product Groups

A. Systems, Equipment and Components  
B. Test, Inspection and Production Equipment  
C. Material  
D. Software  
E. Technology



## EAR99

Items under the jurisdiction of the U.S. Department of Commerce but not listed on the CCL are designated in a “catch all” category called “EAR99”. EAR99 items typically do not require a license to be exported and may be shipped under the designation “NLR” which stands for “No License Required.” However, a license is almost always required when exporting an EAR99 item to a sanctioned/ embargoed country, to a prohibited end-user or in support of a prohibited end-use.

## DETERMINING AN ECCN

1. Go to the Source: Contact the manufacturer, producer or developer to see if they have a current ECCN for the item.
2. Self-Classification: the Office of Research Integrity will and should assist with a self-classification but will in almost all instances require assistance from the inventor/developer because (s)he will have a thorough understanding of the technical specificities and capabilities of the item.
3. Official Request to the Bureau of Industry and Security (BIS): in cases where self-classification is difficult or inconclusive, we may request an official classification from BIS using their electronic licensing system, SNAP-R.

## MOST COMMONLY USED ITEMS AND THEIR ECCNS

ITEM	ECCN#	LICENSE REQUIRED
Dell Laptop (no encryption)	4A994	No License Required (NLR)*
Mac Laptop	5A992	No License Required (NLR)*
IPhones & iPads	5A992	No License Required (NLR)*
Jump/Flash Drive (most)	3A991	No License Required (NLR)*
Android Cell Phone/Tablets	5A992	No License Required (NLR)*
Garmin GPS	7A994	No License Required (NLR)*
Bitlocker Encryption	5D992	No License Required (NLR)*
GoPro Camera	EAR99	No License Required (NLR)*

**\*Do not use if going to embargoed/sanctioned countries.**