THE COMMERCE CONTROL LIST

CATEGORY 0 - NUCLEAR MATERIALS, FACILITIES, AND EQUIPMENT [AND MISCELLANEOUS ITEMS]

A. "END ITEMS," "EQUIPMENT," "ACCESSORIES," "ATTACHMENTS," "PARTS," "COMPONENTS," AND "SYSTEMS"

0A002 Power generating or propulsion equipment "specially designed" for use with space, marine or mobile "nuclear reactors". (These items are "subject to the ITAR." See 22 CFR parts 120 through 130.)

0A018 Items on the Wassenaar Munitions List (see List of Items Controlled).

License Requirements

Reason for Control: NS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*
NS applies to entire entry	NS Column 1
AT applies to entire entry	AT Column 1
UN applies to entire entry	See § 746.1(b) for UN controls.

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: $3000 for 0A018.b
$1500 for 0A018.c and .d
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: (1) See also 0A979, 0A988, and 22 CFR 121.1 Categories I(a), III(b-d), and X(a). (2) See ECCN 0A617.y.1 and .y.2 for items formerly controlled by ECCN 0A018.a. (3) See ECCN 1A613.c for military helmets providing less than NIJ Type IV protection and ECCN 1A613.y.1 for conventional military steel helmets that, immediately prior to July 1, 2014 were classified under 0A018.d and 0A988. (4) See 22 CFR 121.1 Category X(a)(5) and (a)(6) for controls on other military helmets.

Related Definitions: N/A

Items:

a. [RESERVED]

b. "Specially designed" components and parts for ammunition, except cartridge cases, powder bags, bullets, jackets, cores, shells, projectiles, boosters, fuses and components, primers, and other detonating devices and ammunition belting and linking machines (all of which are "subject to the ITAR." (See 22 CFR parts 120 through 130);

***Note**: 0A018.b does not apply to "components" "specially designed" for blank or dummy ammunition as follows:*

a. Ammunition crimped without a projectile (blank star);

b. Dummy ammunition with a pierced powder chamber;

c. Other blank and dummy ammunition, not incorporating components designed for live ammunition.

c. Muzzle loading (black powder) firearms with a caliber less than 20 mm that were manufactured later than 1937 and that are not reproductions of firearms manufactured earlier than 1890.

***Note**: 0A018.c does not control weapons used for hunting or sporting purposes that were not "specially designed" for military use and are not of the fully automatic type, but see ECCN 0A984 concerning shotguns.*

d. [RESERVED]

0A521 Any commodity subject to the EAR that is not listed elsewhere in the CCL, but which is controlled for export because it provides at least a significant military or intelligence advantage to the United States or for foreign policy reasons.

0A521 commodities are subject to RS1 controls with no license exception eligibility other than License Exception GOV for U.S. Government personnel and agencies under §740.11(b)(2)(ii) of the EAR, or an item-specific license exception identified in Supplement No. 5 to part 774 particular to an item covered under ECCN 0A521. The list of commodities determined to be classified under ECCN 0A521 controls is published in Supplement No. 5 to part 774. The license requirements and licensing policy relating to ECCN 0A521 are set forth in § 742.6(a)(7) of the EAR.

0A604 Commodities related to military explosive devices and charges (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry	NS Column 1
RS applies to entire entry	RS Column 1
AT applies to entire entry	AT Column 1
UN applies to entire entry	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of the EAR) may not be used for any item in this ECCN 0A604.

List of Items Controlled

Related Controls: (1) Torpedoes, bombs, and mines are "subject to the ITAR" (see 22 CFR § 121.1, USML Category IV). (2) Smoke bombs, non-irritant smoke flares, canisters, grenades and charges, and other pyrotechnical articles having both military and commercial applications are controlled by ECCN 1A984. (3) Certain explosive detonator firing sets, electrically driven explosive detonators, and detonators and multipoint initiation systems are controlled by ECCN 1A007 or ECCN 3A232. (4) See ECCN 0A919 for foreign-made "military commodities" that incorporate more than a *de minimis* amount of U.S.-origin "600 series" controlled content.

Related Definitions: N/A

Items:

a. Demolition blocks, and detonators designed, modified, or adapted therefor.

b. Military explosive excavating devices.

Note to 0A604.a and .b: *This entry does not control the detonators and other items described in ECCN 1A007 or ECCN 3A232.*

c. Smoke hand grenades and stun hand grenades (*e.g.*, "flashbangs") not controlled by ECCN 1A984.

d. through w. [RESERVED]

x. "Parts," "components," "accessories," and "attachments" that are "specially designed" for a commodity subject to control in paragraphs .a through .c of this ECCN, or for a defense article controlled under USML Category IV, and not specified elsewhere on the USML.

Note 1 to 0A604.x: *Forgings, castings, and other unfinished products, such as extrusions and machined bodies, that have reached a stage in manufacturing where they are clearly identifiable by mechanical properties, material composition, geometry, or function as commodities controlled by ECCN 0A604.x, are controlled by ECCN 0A604.x.*

Note 2 to 0A604.x: *"Parts," "components," "accessories," and "attachments" specified in USML Category IV(h) are subject to the controls of that paragraph.*

0A606 Ground vehicles and related commodities, as follows (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry, except 0A606.b and .y.	NS Column 1
NS applies to 0A606.b.	NS Column 2
RS applies to entire entry, except 0A606.b and .y.	RS Column 1
RS applies to 0A606.b.	RS Column 2
AT applies to entire entry.	AT Column 1
UN applies to entire entry, except 0A606.y.	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: $1500
GBS: N/A
CIV: N/A

Special Conditions for STA

STA: (1) Paragraph (c)(1) of License Exception STA (§ 740.20(c)(1) of the EAR) may not be used for any item in 0A606.a,unless determined by BIS to be eligible for License Exception STA in accordance with § 740.20(g) (License Exception STA eligibility requests for "600 series" end items). (2) Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of the EAR) may not be used for any item in 0A606.

List of Items Controlled

Related Controls: (1) The ground vehicles, other articles, technical data (including software) and services described in 22 CFR part 121, Category VII are subject to the jurisdiction of the International Traffic in Arms Regulations. (2) See ECCN 0A919 for foreign-made "military commodities" that incorporate more than a *de minimis* amount of U.S.-origin "600 series" controlled content.

Related Definitions: N/A

Items:

a. Ground vehicles, whether manned or unmanned, "specially designed" for a military use and not enumerated or otherwise described in USML Category VII.

Note 1 to paragraph .a: *For purposes of paragraph .a, "ground vehicles" include (i) tanks and armored vehicles manufactured prior to 1956 that have not been modified since 1955 and that do not contain a functional weapon or a weapon capable of becoming functional through repair; (ii) military railway trains except those that are armed or are "specially designed" to launch missiles; (iii) unarmored military recovery and other support vehicles; (iv) unarmored, unarmed vehicles with mounts or hard points for firearms of .50 caliber or less; and (v) trailers "specially designed" for use with other ground vehicles enumerated in USML Category VII or ECCN 0A606.a, and not separately enumerated or otherwise described in USML Category VII. For purposes of this note, the term "modified" does not include incorporation of safety features required by law, cosmetic changes (e.g., different paint or repositioning of bolt holes) or addition of "parts" or "components" available prior to 1956.*

Note 2 to paragraph .a: *A ground vehicle's being "specially designed" for military use for purposes of determining controls under paragraph .a. entails a structural, electrical or mechanical feature involving one or more "components" that are "specially designed" for military use. Such "components" include:*

a. Pneumatic tire casings of a kind "specially designed" to be bullet-proof;

b. Armored protection of vital "parts," (e.g., fuel tanks or vehicle cabs);

c. Special reinforcements or mountings for weapons;

d. Black-out lighting.

b. Other ground vehicles, "parts" and "components," as follows:

b.1. Unarmed vehicles that are derived from civilian vehicles and that have all of the following:

b.1.a. Manufactured or fitted with materials or "components" other than reactive or electromagnetic armor to provide ballistic protection to level III (National Institute of Justice standard 0108.01, September 1985) or better;

b.1.b. A transmission to provide drive to both front and rear wheels simultaneously, including those vehicles having additional wheels for load bearing purposes whether driven or not;

b.1.c. Gross vehicle weight rating (GVWR) greater than 4,500 kg; *and*

b.1.d. Designed or modified for off-road use.

b.2. "Parts" and "components" having all of the following:

b.2.a. "Specially designed" for vehicles specified in paragraph .b.1 of this entry; *and*

b.2.b. Providing ballistic protection to level III (National Institute of Justice standard 0108.01, September 1985) or better.

Note 1 to paragraph b: *Ground vehicles otherwise controlled by 0A606.b.1 that contain reactive or electromagnetic armor are subject to the controls of USML Category VII.*

Note 2 to paragraph b: *ECCN 0A606.b.1does not control civilian vehicles "specially designed" for transporting money or valuables.*

Note 3 to paragraph b: *"Unarmed" means not having installed weapons, installed mountings for weapons, or special reinforcements for mounts for weapons.*

c. Air-cooled diesel engines and engine blocks for armored vehicles that weigh more than 40 tons.

d. Fully automatic continuously variable transmissions for tracked combat vehicles.

e. Deep water fording kits "specially designed" for ground vehicles controlled by ECCN 0A606.a or USML Category VII.

f. Self-launching bridge "components" not enumerated in USML Category VII(g) "specially designed" for deployment by ground vehicles enumerated in USML Category VII or this ECCN.

g. through w. [RESERVED]

x. "Parts," "components," "accessories," and "attachments" that are "specially designed" for a commodity enumerated or otherwise described in ECCN 0A606 (other than 0A606.b or 0A606.y) or a defense article enumerated in USML Category VII and not elsewhere specified on the USML or in 0A606.y.

Note 1: *Forgings, castings, and other unfinished products, such as extrusions and machined bodies, that have reached a stage in manufacture where they are clearly identifiable by mechanical properties, material composition, geometry, or function as commodities controlled by ECCN 0A606.x are controlled by ECCN 0A606.x.*

Note 2: *"Parts," "components,""accessories" and "attachments" enumerated in USML paragraph VII(g) are subject to the controls of that paragraph. "Parts," "components," "accessories" and "attachments" described in ECCN 0A606.y are subject to the controls of that paragraph.*

y. Specific "parts," "components," "accessories," and "attachments" "specially designed" for a commodity enumerated or otherwise described in this ECCN (other than ECCN 0A606.b) or for a defense article in USML Category VII and not elsewhere specified on the USML or the CCL, as follows, and "parts," "components," "accessories," and "attachments" "specially designed" therefor:

y.1. Brake discs, rotors, drums, calipers, cylinders, pads, shoes, lines, hoses, vacuum boosters, and parts therefor;

y.2. Alternators and generators;

y.3. Axles;

y.4. Batteries;

y.5. Bearings (*e.g.*, ball, roller, wheel);

y.6. Cables, cable assembles, and connectors;

y.7. Cooling system hoses;

y.8. Hydraulic, fuel, oil, and air filters, other than those controlled by ECCN 1A004;

y.9. Gaskets and o-rings;

y.10. Hydraulic system hoses, fittings, couplings, adapters, and valves;

y.11. Latches and hinges;

y.12. Lighting systems, fuses, and "components;"

y.13. Pneumatic hoses, fittings, adapters, couplings, and valves;

y.14. Seats, seat assemblies, seat supports, and harnesses;

y.15 Tires, except run flat; and

y.16 Windows, except those for armored vehicles.

0A614 Military training "equipment," as follows (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry	NS Column 1
RS applies to entire entry	RS Column 1
AT applies to entire entry	AT Column 1
UN applies to entire entry	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: $1500
GBS: N/A
CIV: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2)) of the EAR may not be used for any item in 0A614.

List of Items Controlled

Related Controls: (1) Defense articles that are enumerated or otherwise described in USML Category IX and "technical data" (including "software") directly related thereto are "subject to the ITAR." (2) See ECCN 0A919 for foreign-made "military commodities" that incorporate more than a *de minimis* of US-origin "600 series" items. (3) "Parts," "components," "accessories" and "attachments" that are common to a simulator controlled by ECCN 0A614.a and to a simulated system or an end item that is controlled on the USML or elsewhere on the CCL are controlled under the same USML Category or ECCN as the "parts," "components," "accessories" and "attachments" of the simulated system or end item.

Related Definitions: N/A

Items:

a. "Equipment" "specially designed" for military training that is not enumerated or otherwise described in USML Category IX.

Note 1 to 0A614**:** *This entry includes operational flight trainers, radar target trainers, flight simulators for aircraft classified under ECCN 9A610.a, human-rated centrifuges, instrument flight trainers for military aircraft, navigation trainers for military items, target equipment, armament trainers, military pilotless aircraft trainers, mobile training units and training "equipment" for ground military operations.*

Note 2 to 0A614**:** *This entry does not apply to "equipment" "specially designed" for training in the use of hunting or sporting weapons.*

b. through w. [RESERVED]

x. "Parts," "components," "accessories" "attachments" that are "specially designed" for a commodity controlled by this entry or an article enumerated or otherwise described in USML Category IX, and not specified elsewhere on the USML.

Note 3 to 0A614**:** *Forgings, castings, and other unfinished products, such as extrusions and machined bodies, that have reached a stage in manufacturing where they are clearly identifiable by mechanical properties, material composition, geometry, or function as commodities controlled by ECCN 0A614.x are*

controlled by ECCN 0A614.x.

0A617 Miscellaneous "equipment," materials, and related commodities (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry, except 0A617.y.	NS Column 1
RS applies to entire entry, except 0A617.y.	RS Column 1
AT applies to entire entry.	AT Column 1
UN applies to entire entry, except 0A617.y.	See § 764.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: $1500
GBS: N/A
CIV: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of the EAR) may not be used for any item in 0A617.

List of Items Controlled

Related Controls: (1) Defense articles, such as materials made from classified information, that are controlled by USML Category XIII, and technical data (including software) directly related thereto, are subject to the ITAR. (2) See ECCN 0A919 for foreign-made "military commodities" that incorporate more than a *de minimis* amount of U.S.-origin "600 series" controlled content. (3) For controls on self-contained diving and underwater swimming apparatus and related commodities, see ECCN 8A620.f. (4) For controls on robots, robot controllers, and robot end-effectors, see USML Category VII and ECCNs 0A606 and 2B007. (5) "Libraries," *i.e.*, parametric technical databases, "specially designed" for military use with equipment controlled by the USML or a "600 series" ECCN are controlled by the technical data and technology controls pertaining to such items. (6) For controls on nuclear power generating equipment or propulsion equipment, including "nuclear reactors," "specially designed" for military use, and "parts" and "components" "specially designed" therefor, see USML Categories VI, XIII, XV, and XX. (7) Simulators "specially designed" for military "nuclear reactors" are controlled by USML Category IX(b). (8) See USML Categories X, XI and XII for laser protection equipment (e.g., eye and sensor protection) "specially designed" for military use. (9) "Fuel cells" "specially designed" for a defense article not on the USML or a commodity controlled by a "600 series" ECCN are controlled according to the corresponding "600 series" ECCN for such end items. (10) See USML Category XV for controls on fuel cells "specially designed" for satellite or spacecraft.

Related Definitions: N/A

Items:

a. [RESERVED]

b. Concealment and deception equipment "specially designed" for military application, including special paints, decoys, smoke or obscuration equipment and simulators, and

"parts," "components," "accessories," and "attachments" "specially designed" therefor, not controlled by USML Category XIII.

c. Ferries, bridges (other than those described in ECCN 0A606 or USML Category VII), and pontoons, "specially designed" for military use.

d. Test models "specially designed" for the "development" of defense articles controlled by USML Categories IV, VI, VII and VIII.

e. [RESERVED]

f. "Metal embrittlement agents."

g. through x. [RESERVED]

y. Other commodities as follows, and "parts," "components," "accessories," and "attachments" "specially designed" therefore:

y.1. Construction equipment "specially designed" for military use, including such equipment "specially designed" for transport in aircraft controlled by USML VIII(a) or ECCN 9A610.a.

y.2. "Parts," "components," "accessories," and "attachments" "specially designed" for commodities in paragraph .y.1 of this entry, including crew protection kits used as protective cabs.

y.3. Containers, n.e.s., "specially designed" for shipping or packing defense articles or items controlled by a "600 series" ECCN.

y.4. Field generators "specially designed" for military use.

y.5. Power controlled searchlights and control units therefor, "specially designed" for military use, and "equipment" mounting such units.

0A918 Miscellaneous military equipment not on the Wassenaar Munitions List (see List of Items Controlled).

License Requirements

Reason for Control: RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*
RS applies to entire entry	RS Column 2
AT applies to entire entry	AT Column 1
UN applies to entire entry	See § 746.1(b) for UN controls.

License Exceptions

LVS: $1500
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: See ECCN 0A617.y.5 for items formerly controlled by ECCN 0A918.a.

Related Definitions: N/A

Items: Bayonets.

0A919 "Military commodities" located and produced outside the United States as follows (see list of items controlled).

License Requirements

Reasons for Control: RS, AT

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*

RS applies to entire entry	RS Column 1, See § 742.6(a)(3) for license requirements.
AT applies to entire entry	AT Column 1

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: (1) "Military commodities" are subject to the export licensing jurisdiction of the Department of State if they incorporate items that are subject to the International Traffic in Arms Regulations (ITAR) (22 CFR Parts 120 - 130). (2) "Military commodities" described in this paragraph are subject to the export licensing jurisdiction of the Department of State if such commodities are described on the U.S. Munitions List (22 CFR Part 121) and are in the United States. (3) The furnishing of assistance (including training) to foreign persons, whether in the United States or abroad, in the design, development, engineering, manufacture, production, assembly, testing, repair, maintenance, modification, operation, demilitarization, destruction, processing, or use of defense articles that are subject to the ITAR; or the furnishing to foreign persons of any technical data controlled under 22 CFR 121.1 whether in the United States or abroad are under the licensing jurisdiction of the Department of State. (4) Brokering activities (as defined in 22 CFR 129) of "military commodities" that are subject to the ITAR are under the licensing jurisdiction of the Department of State.

Related Definitions: "Military commodity" or "military commodities" means an article, material or supply that is described on the U.S. Munitions List (22 CFR Part 121) or on the Munitions List that is published by the Wassenaar Arrangement on Export Controls for Conventional Arms and Dual-Use Goods and Technologies (i.e., the Wassenaar Arrangement Munitions List (WAML)), but does not include software, technology, any item listed in any ECCN for which the last three numerals are 018, or any item in the "600 series."

Items:

a. "Military commodities" produced and located outside the United States having all of the following characteristics:

a.1. Not subject to the International Traffic in Arms Regulations (22 CFR Parts 120-130); *and*

a.2. Having one or more of the following characteristics:

a.2.a. Incorporate one or more cameras controlled under ECCN 6A003.b.3, .b.4.b, or .b.4.c.

a.2.b. Incorporate more than a *de minimis* amount of U.S.-origin "600 series" controlled content (see §734.4 of the EAR); *or*

a.2.c. Are direct products of U.S.-origin "600 series" technology or software (see § 736.2(b)(3) of the EAR).

b. [RESERVED]

0A978 Law enforcement striking weapons, including saps, police batons, side handle batons, tonfas, sjamboks, and whips.

License Requirements

Reason for Control: CC

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*
CC applies to entire entry	CC Column 1

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

The list of items controlled is contained in the ECCN heading.

0A979 Police helmets and shields; and "specially designed" "components," n.e.s.

License Requirements

Reason for Control: CC

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*
CC applies to entire entry	CC Column 1

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

The list of items controlled is contained in the ECCN heading.

0A980 Horses by sea.

License Requirements

Reason for Control: SS

Control(s)

SS applies to entire entry. For licensing requirements (and possible License Exceptions) proceed directly to part 754 of the EAR. The Commerce Country Chart is not designed to determine licensing requirements for items controlled for SS reasons.

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

The list of items controlled is contained in the ECCN heading.

0A981 Equipment designed for the execution of human beings as follows (see List of Items Controlled).

License Requirements

Reason for Control: CC

Control(s)

CC applies to entire entry. A license is required for ALL destinations regardless of end-use. Accordingly, a column specific to this control does not appear on the Commerce Country Chart. (See §742.7 of the EAR for additional information.)

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

a. Gallows and guillotines.

b. Electric chairs for the purpose of executing human beings.

c. Air tight vaults designed for the execution of human beings by the administration of a lethal gas or substance.

d. Automatic drug injection systems designed for the execution of human beings by administration of a lethal substance.

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.

License Requirements

Reason for Control: CC

Control(s)

CC applies to entire entry. A license is required for ALL destinations, except Canada, regardless of end-use. Accordingly, a column specific to this control does not appear on the Commerce Country Chart. (See part 742 of the EAR for additional information.)

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: Thumbcuffs and fingercuffs are classified under ECCN 0A983, "specially designed" implements of torture. Restraint devices that electronically monitor or report the location of confined persons for law enforcement or penal reasons are controlled under ECCN 3A981.
Related Definitions: N/A
Items:

The list of items controlled is contained in the ECCN heading.

Note to ECCN 0A982. *This ECCN applies to restraint devices used in law enforcement activities. It does not apply to medical devices that are equipped to restrain patient movement during medical procedures. It does not apply to devices that confine memory impaired patients to appropriate medical facilities. It 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.

License Requirements

Reason for Control: CC

Control(s)

CC applies to entire entry. A license is required for ALL destinations, regardless of end-use. Accordingly, a column specific to this control

does not appear on the Commerce Country Chart. (See part 742 of the EAR for additional information.)

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

The list of items controlled is contained in the ECCN heading.

Note to ECCN 0A983. *In this ECCN, "torture" has the meaning set forth in Section 2340(1) of Title 18, United States Code.*

0A984 Shotguns with barrel length 18 inches (45.72 cm) or over; receivers; barrels of 18 inches (45.72 cm) or longer but not longer than 24 inches (60.96 cm); complete trigger mechanisms; magazines and magazine extension tubes; complete breech mechanisms; buckshot shotgun shells; except equipment used exclusively to treat or tranquilize animals, and except arms designed solely for signal, flare, or saluting use.

License Requirements

Reason for Control: CC, FC, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*
FC applies to entire entry	FC Column 1
CC applies to shotguns with a barrel length greater than or equal to 18 in. (45.72 cm), but less than 24 in. (60.96 cm), shotgun "components" controlled by this entry, and buckshot shotgun shells controlled by this entry, regardless of end-user	CC Column 1
CC applies to shotguns with a barrel length greater than or equal to 24 in. (60.96 cm), regardless of end-user	CC Column 2
CC applies to shotguns with a barrel length greater than or equal to 24 in. (60.96 cm) if for sale or resale to police or law enforcement	CC Column 3
UN applies to entire entry	See § 746.1(b) for UN controls.

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: This entry does not control shotguns with a barrel length of less than 18 inches (45.72 cm). (See 22 CFR part 121.) These items are "subject to the ITAR" (see 22 CFR parts 120 through 130).
Related Definitions: N/A
Items:

The list of items controlled is contained in the ECCN heading.

0A985 Discharge type arms and devices to administer electric shock, for example, stun guns, shock batons, shock shields, electric

cattle prods, immobilization guns and projectiles; except equipment used exclusively to treat or tranquilize animals, and except arms designed solely for signal, flare, or saluting use; "specially designed" "parts" and "components," n.e.s.

License Requirements

Reason for Control: CC, UN

Control(s)

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*
CC applies to entire entry. A license is required for ALL destinations, except Canada, regardless of end-use. Accordingly, a column specific to this control does not appear on the Commerce Country Chart. (See part 742 of the EAR for additional information.)	
UN applies to entire entry	See § 746.1(b) for UN controls.

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: Law enforcement restraint devices that administer an electric shock are controlled under ECCN 0A982. Electronic devices that monitor and report a person's location to enforce restrictions on movement for law enforcement or penal reasons are controlled under ECCN 3A981.

Related Definitions: N/A

Items:

The list of items controlled is contained in the ECCN heading.

0A986 Shotgun shells, except buckshot shotgun shells, "specially designed" "parts" and "components."

License Requirements

Reason for Control: AT, FC, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*
AT applies to entire entry. A license is required for items controlled by this entry to North Korea for anti-terrorism reasons. The Commerce Country Chart is not designed to determine AT licensing requirements for this entry. See §742.19 of the EAR for additional information.	
FC applies to entire entry	FC Column 1
UN applies to entire entry	See § 746.1(b) for UN controls.

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

The list of items controlled is contained in the ECCN heading.

0A987 Optical sighting devices for firearms (including shotguns controlled by 0A984); and

"components" as follows (see List of Items Controlled).

License Requirements

Reason for Control: FC, CC, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*
FC applies to optical sights for firearms, including shotguns described in ECCN 0A984, and related parts	FC Column 1
CC applies to entire entry	CC Column 1
UN applies to entire entry	See § 746.1(b) for UN controls.

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

a. Telescopic sights.

b. Holographic sights.

c. Reflex or "red dot" sights.

d. Reticle sights.

e. Other sighting devices that contain optical elements.

f. Laser pointing devices designed for use on firearms.

g. Lenses, other optical elements and adjustment mechanisms for articles in paragraphs a, b, c, d or e.

0A988 Conventional military steel helmets as described by 0A018.d.1.

No items currently are in this ECCN. See ECCN 1A613.y.1 for conventional steel helmets that, immediately prior to July 1, 2014, were classified under 0A988.

0A998 Oil and gas exploration equipment, software, and data, as follows (see List of Items Controlled).

License Requirements

Reason for Control: Foreign policy

Control(s):	***Country Chart.***
Russian industry sector sanction applies to entire entry.	See § 746.5 for specific license requirements and license review policy.

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

a. Oil and gas exploration data, e.g., seismic analysis data.

b. Hydraulic fracturing items, as follows:

b.1. Hydraulic fracturing design and analysis software and data.

b.2. Hydraulic fracturing 'proppant,' 'fracking fluid,' and chemical additives therefor.

***Technical Note**: A 'proppant' is a solid material, typically treated sand or man-made ceramic materials, designed to keep an induced hydraulic fracture open, during or following a fracturing treatment. It is added to a 'fracking fluid' which may vary in composition depending on the type of fracturing used, and can be gel, foam or slickwater-based.*

b.3. High pressure pumps.

0A999 Specific processing equipment, as follows (see List of Items Controlled).

License Requirements

Reason for Control: AT

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*

AT applies to entire entry. A license is required for items controlled by this entry to North Korea for anti-terrorism reasons. The Commerce Country Chart is not designed to determine AT licensing requirements for this entry. See §742.19 of the EAR for additional information.

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

a. Ring Magnets;

b. [RESERVED.]

B. TEST, INSPECTION AND "PRODUCTION EQUIPMENT"

0B521 Any commodity subject to the EAR that is not listed elsewhere in the CCL, but which is controlled for export because it provides at least a significant military or intelligence advantage to the United States or for foreign policy reasons.

0B521 commodities are subject to RS1 controls with no license exception eligibility other than License Exception GOV for U.S. Government personnel and agencies under §740.11(b)(2)(ii) of the EAR, or an item-specific license exception identified in Supplement No. 5 to part 774 particular to an item covered under ECCN 0B521. The list of commodities determined to be classified under ECCN 0B521 controls is published in Supplement No. 5 to part 774. The license requirements and licensing policy relating to ECCN 0B521 are set forth in §742.6(a)(7) of the EAR.

0B604 Test, inspection, and production "equipment" and related commodities "specially designed" for the "development," "production," repair, overhaul, or refurbishing of commodities in ECCN 0A604 or related defense articles in USML Category IV (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*

NS applies to entire entry	NS Column 1
RS applies to entire entry	RS Column 1
AT applies to entire entry	AT Column 1
UN applies to entire entry	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: $1500
GBS: N/A
CIV: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of the EAR) may not be used for any item in this ECCN 0B604.

List of Items Controlled

Related Controls: (1) See ECCN 9B604, which controls test, inspection, and production "equipment" and related commodities "specially designed" for the "development" or "production" of commodities in ECCN 9A604 or related defense articles in USML Category IV. (2) See ECCN 0A919 for foreign-made "military commodities" that incorporate more than a *de minimis* amount of US-origin "600 series" controlled content.

Related Definitions: N/A

Items:

a. Test, inspection, and other production "equipment" that are "specially designed" for the "development," "production," repair, overhaul, or refurbishing of commodities controlled by ECCN 0A604 or for bombs, torpedoes, depth charges, mines and hand grenades, and parts, components, accessories and attachments therefor, controlled under USML Category IV.

b. through w. [RESERVED]

x. "Parts," "components," "accessories," and "attachments" that are "specially designed" for a commodity subject to control in paragraph .a of this ECCN.

0B606 Test, inspection, and production "equipment" and related commodities, not enumerated on the USML, "specially designed" for the "development,' "production" repair, overhaul, or refurbishing of commodities enumerated or otherwise described in ECCN 0A606 or USML Category VII (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry.	NS Column 1
RS applies to entire entry.	RS Column 1
AT applies to entire entry.	AT Column 1
UN applies to entire entry.	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: $1500
GBS: N/A
CIV: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of the EAR) may not be used for any item in 0B606.

List of Items Controlled

Related Controls: (1) Ground vehicles, other articles, technical data (including software) and services described in 22 CFR part 121, Category VII are subject to the jurisdiction of the International Traffic in Arms Regulations. (2) See ECCN 0A919 for foreign-made "military commodities" that incorporate more than a *de minimis* amount of U.S.-origin "600 series' controlled content.

Related Definitions: N/A

Items:

a. Test, inspection, and production "equipment" "specially designed" for the "development," "production," repair, overhaul, or refurbishing of commodities enumerated or otherwise described in ECCN 0A606 (except for 0A606.b or 0A606.y) or in USML Category VII, and "parts," "components," "accessories" and "attachments" "specially designed" therefor.

Note 1: *ECCN 0B606 includes (i) armor plate drilling machines, other than radial drilling machines, (ii) armor plate planing machines, (iii) armor plate quenching presses; and (iv) tank turret bearing grinding machines.*

b. Environmental test facilities "specially designed" for the certification, qualification, or testing of commodities enumerated or otherwise described in ECCN 0A606 (except for 0A606.b or 0A606.y) or in USML Category VII, and "equipment' "specially designed" therefor.

0B614 Test, inspection, and production "equipment" for military training "equipment" and "specially designed" "parts," "components," "accessories" and "attachments" therefor, as follows (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry	NS Column 1
RS applies to entire entry	RS Column 1
AT applies to entire entry	AT Column 1
UN applies to entire entry	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: $1500
GBS: N/A
CIV: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of the EAR) may not be used for any item in 0B614.

List of Items Controlled

Related Controls: See ECCN 0A919 for foreign-made "military commodities" that incorporate more than a *de minimis* amount of US-origin "600 series" controlled content.

Related Definitions: N/A

Items:

a. Test, inspection, and other production "equipment" "specially designed" for the "development," "production," repair, overhaul, or refurbishing of commodities controlled by

ECCN 0A614 or articles enumerated or otherwise described in USML Category IX.

b. through .w [RESERVED]

x. "Parts," "components," "accessories" and "attachments" that are "specially designed" for a commodity controlled by ECCN 0B614.

0B617 Test, inspection, and production "equipment" and related commodities "specially designed" for the "development," "production," repair, overhaul, or refurbishing of commodities enumerated or otherwise described in ECCN 0A617 or USML Category XIII, and "parts," "components," "accessories," and "attachments" "specially designed" therefor (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry.	NS Column 1
RS applies to entire entry.	RS Column 1
AT applies to entire entry.	AT Column 1
UN applies to entire entry.	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: $1500
GBS: N/A
CIV: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of the EAR) may not be used for any item in 0B617.

List of Items Controlled

Related Controls: See ECCN 0A919 for foreign-made "military commodities" that incorporate more than a *de minimis* amount of U.S.-origin "600 series" controlled content.

Related Definitions: N/A

Items:

a. Test, inspection, and production "equipment" not controlled by USML Category XIII(k) "specially designed" for the "production," "development," repair, overhaul, or refurbishing of commodities enumerated or otherwise described in ECCN 0A617, (except for 0A617.y) or USML Category XIII, and "parts," "components," "accessories," and "attachments" "specially designed" therefor.

b. [RESERVED].

Note: *Field engineer equipment "specially designed" for use in a combat zone, identified in the Wassenaar Arrangement Munitions List 17.d, and mobile repair shops "specially designed" or modified to service military equipment, identified in Wassenaar Arrangement Munitions List 17.j, are controlled by 0B617 to the extent that the items are not included in USML Category XIII(k).*

0B986 Equipment "specially designed" for manufacturing shotgun shells; and ammunition hand-loading equipment for both cartridges and shotgun shells.

License Requirements

Reason for Control: AT, UN

Control(s)

AT applies to entire entry. A license is required for items controlled by this entry to North Korea for anti-terrorism reasons. The Commerce Country Chart is not designed to determine AT licensing requirements for this entry. See §742.19 of the EAR for additional information.

UN applies to entire entry. See § 746.1(b) for UN controls.

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

The list of items controlled is contained in the ECCN heading.

0B999 Specific processing equipment, as follows (see List of Items Controlled).

License Requirements

Reason for Control: AT, RS

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*

AT applies to entire entry. A license is required for items controlled by this entry to North Korea for anti-terrorism reasons. The Commerce Country Chart is not designed to determine AT license requirements for this entry. See §742.19 of the EAR for additional information.

RS applies to entire entry. A license is required for items controlled by this entry for export or reexport to Iraq or transfer within Iraq for regional stability reasons. The Commerce Country Chart is not designed to determine RS license requirements for this entry. See §§742.6 and 746.3 of the EAR for additional information.

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: N/A
GBS: N/A
CIV: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

a. Hot cells;

b. Glove boxes suitable for use with radioactive materials.

C. "MATERIALS"

0C521 Any material subject to the EAR that is not listed elsewhere in the CCL, but which is controlled for export because it provides at least a significant military or intelligence advantage to the United States or for foreign policy reasons.

0C521 materials are subject to RS1 controls with no license exception eligibility other than License Exception GOV for U.S. Government personnel and agencies under § 740.11(b)(2)(ii) of the EAR, or an item-specific license exception identified in Supplement No. 5 to part 774 particular to an item covered under ECCN 0C521. The list of materials determined to be classified under ECCN 0C521 controls is published in Supplement No. 5 to part 774.

The license requirements and licensing policy relating to ECCN 0C521 are set forth in § 742.6(a)(7) of the EAR.

0C606 Materials "specially designed" for commodities controlled by ECCN 0A606 not elsewhere specified in the USML (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry.	NS Column 1
RS applies to entire entry.	RS Column 1
AT applies to entire entry.	AT Column 1
UN applies to entire entry.	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: $1500
GBS: N/A
CIV: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of the EAR) may not be used for any item in 0C606.

List of Items Controlled

Related Controls: (1) Materials that are subject to the jurisdiction of the ITAR are described in USML Category XIII. (2) See ECCN 0A919 for foreign-made "military commodities" that incorporate more than a *de minimis* amount of U.S.-origin "600 series" controlled content.

Related Definitions: N/A

Items: Materials "specially designed" for commodities enumerated or otherwise described in ECCN 0A606 (other than 0A606.b or 0A606.y) or USML Category VII, not elsewhere specified in the USML or the CCL.

Note: *Materials "specially designed" for both ground vehicles enumerated or otherwise described in USML Category VII and ground vehicles enumerated or otherwise described in ECCN 0A606 are subject to the controls of this ECCN unless identified in USML Category VII(g) as being subject to the controls of that paragraph.*

0C617 Miscellaneous Materials "Specially Designed" for Military Use (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country chart (See Supp. No. 1 to part 738)*
NS applies to entire entry.	NS Column 1
RS applies to entire entry.	RS Column 1
AT applies to entire entry.	AT Column 1
UN applies to entire entry.	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

LVS: $1500
GBS: N/A
CIV: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of the EAR) may not be used for any item in 0C617.

List of Items Controlled

Related Controls: (1) For controls on other signature suppression materials, see USML Category XIII and ECCNs 1C001 and 1C101. (2) See ECCN 0A919 for foreign made "military commodities" that incorporate more than a *de minimis* amount of U.S.-origin "600 series" controlled content.

Related Definitions: N/A

Items:

a. Materials, coatings and treatments for signature suppression, "specially designed" for military use to reduce detectability or observability and that are not controlled by USML Category XIII or ECCNs 1C001 or 1C101.

b. [RESERVED].

D. "SOFTWARE"

0D001 "Software" "specially designed" or modified for the "development," "production," or "use" of commodities described in 0A002. (These items are "subject to the ITAR." See 22 CFR parts 120 through 130.)

Heading Note: *Certain "software" for the "development," "production," or "use" of nuclear related commodities is subject to the export licensing authority of the Nuclear Regulatory Commission (see 10 CFR part 110).*

License Requirements

Reason for Control:

Control(s)

"Software" for items described in 0A002 is "subject to the ITAR" (see 22 CFR parts 120 through 130).

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

The List of Items Controlled is contained in the ECCN heading.

0D521 Any software subject to the EAR that is not listed elsewhere in the CCL, but which is controlled for export because it provides at least a significant military or intelligence advantage to the United States or for foreign policy reasons.

0D521 software is subject to RS1 controls with no license exception eligibility other than License Exception GOV for U.S. Government personnel and agencies under § 740.11(b)(2)(ii) of the EAR, or an item-specific license exception identified in Supplement No. 5 to part 774 particular to an item covered under ECCN 0D521. The list of software determined to be classified under ECCN 0D521 controls is published in Supplement No. 5 to part 774. The license requirements and licensing policy relating to ECCN 0D521 are set forth in § 742.6(a)(7) of the EAR.

0D604 "Software" "specially designed" for the "development," "production," operation, or maintenance of commodities controlled by ECCN 0A604 or 0B604 (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry	NS Column 1
RS applies to entire entry	RS Column 1
AT applies to entire entry	AT Column 1
UN applies to entire entry	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of the EAR) may not be used for any item in this ECCN 0D604.

List of Items Controlled

Related Controls: (1) "Software" directly related to articles enumerated in USML Category IV is controlled under USML Category IV(i). (2) See ECCN 0A919 for foreign-made "military commodities" that incorporate more than a *de minimis* amount of U.S.-origin "600 series" controlled content.

Related Definitions: N/A

Items:

a. "Software" "specially designed" for the "development," "production," operation, or maintenance of commodities controlled by ECCN 0A604 or 0B604.

b. [RESERVED]

0D606 "Software" "specially designed" for the "development," "production," operation, or maintenance of ground vehicles and related commodities controlled by 0A606, 0B606, or 0C606 (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry, except 0D606.y.	NS Column 1
RS applies to entire entry, except 0D606.y.	RS Column 1
AT applies to entire entry.	AT Column 1
UN applies to entire entry, except 0D606.y.	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of

the EAR) may not be used for any software in 0D606.

List of Items Controlled

Related Controls: (1) Software directly related to articles enumerated or otherwise described in USML Category VII are subject to the controls of USML paragraph VII(h). (2) See ECCN 0A919 for foreign made "military commodities" that incorporate more than a *de minimis* amount of U.S.-origin "600 series" controlled content.

Related Definitions: N/A

Items:

a. "Software" "specially designed" for the "development," "production," operation, or maintenance of commodities controlled by ECCN 0A606 (except for ECCNs 0A606.b or 0A606.y).

b. through x. [RESERVED]

y. "Specific software" "specially designed" for the "production," "development," operation, or maintenance of commodities described in ECCN 0A606.y.

0D614 "Software" related to military training "equipment," as follows (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry	NS Column 1
RS applies to entire entry	RS Column 1
AT applies to entire entry	AT Column 1
UN applies to entire entry	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2)of the EAR) may not be used for any "software" in 0D614.

List of Items Controlled

Related Controls: (1) "Software" directly related to articles enumerated in USML Category IX is subject to the control of USML paragraph IX(e). (2) See ECCN 0A919 for foreign made "military commodities" that incorporate more than a *de minimis* amount of US-origin "600 series" items.

Related Definitions: N/A

Items:

a. "Software" "specially designed" for the "development," "production," operation, or maintenance of commodities controlled by ECCNs 0A614 or 0B614.

b. [RESERVED]

0D617 "Software" "specially designed" for the "development," "production," operation, or maintenance of commodities controlled by 0A617, "equipment" controlled by 0B617, or

materials controlled by 0C617 (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry, except 0D617.y.	NS Column 1
RS applies to entire entry, except 0D617.y.	RS Column 1
AT applies to entire entry.	AT Column 1
UN applies to entire entry, except 0D617.y.	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of the EAR) may not be used for any "software" in 0D617.

List of Items Controlled

Related Controls: (1) "Software" directly related to articles controlled by USML Category XIII is subject to the control of USML paragraph XIII(l). (2) See ECCN 0A919 for foreign-made "military commodities" that incorporate more than a *de minimis* amount of U.S.-origin "600 series" controlled content.

Related Definitions: N/A

Items:

a. "Software" (other than "software" controlled in paragraph .y of this entry) "specially designed" for the "development," "production," operation or maintenance of commodities controlled by ECCNs 0A617 (except 0A617.y), 0B617, or 0C617.

b. to x. [RESERVED].

y. Specific "software" "specially designed" for the "production," "development," operation or maintenance of commodities controlled by ECCN 0A617.y.

0D999 Specific software, as follows (see List of Items Controlled).

License Requirements

Reason for Control: AT, RS

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*

AT applies to entire entry. A license is required for items controlled by this entry to North Korea for anti-terrorism reasons. The Commerce Country Chart is not designed to determine AT license requirements for this entry. See §742.19 of the EAR for additional information.

RS applies to entire entry. A license is required for items controlled by this entry for export or reexport to Iraq or transfer within Iraq for regional stability reasons. The Commerce Country Chart is not designed to determine RS license requirements for this entry. See §§742.6 and 746.3 of the EAR for additional information.

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

a. Software for neutronic calculations/modeling;

b. Software for radiation transport calculations/modeling;

c. Software for hydrodynamic calculations/modeling.

E. "TECHNOLOGY"

0E001 "Technology," according to the Nuclear Technology Note, for the "development," "production," or "use" of items described in 0A002, or 0D001.

Heading Note: *"Technology" for certain items subject to the export licensing authority of the Nuclear Regulatory Commission (see 10 CFR part 110) is subject to the export licensing authority of the Department of Energy (see 10 CFR part 810).*

License Requirements

Reason for Control:

Control(s)

"Technology" for items described in 0A002 and 0D001 (applies to "software" in 0D001 for items described in 0A002 only) is subject to the export licensing authority of the U.S. Department of State, Directorate of Defense Trade Controls (see 22 CFR part 121).

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

The List of Items Controlled is contained in the ECCN heading.

0E018 "Technology" for the "development", "production", or "use" of items controlled by 0A018.

License Requirements

Reason for Control: NS, UN, AT

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*
NS applies to entire entry	NS Column 1
UN applies to entire entry	See § 746.1(b) for UN controls.
AT applies to entire entry	AT Column 1

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: Yes

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

The list of items controlled is contained in the ECCN heading.

Note: *This ECCN no longer controls "technology" for items formerly controlled by 0A018.a. See ECCN 0A617.y.1 and.y.1.a for items formerly controlled by 0A018.a and see the "technology" controls for those items in ECCN 0E617.y.*

0E521 Any technology subject to the EAR that is not listed elsewhere in the CCL, but which is controlled for export because it provides at least a significant military or intelligence advantage to the United States or for foreign policy reasons.

0E521 technology is subject to RS1 controls with no license exception eligibility other than License Exception GOV for U.S. Government personnel and agencies under § 740.11(b)(2)(ii) of the EAR, or an item-specific license exception identified in Supplement No. 5 to part 774 particular to an item covered under ECCN 0E521. The list of technologies determined to be classified under ECCN 0E521 controls is published in Supplement No. 5 to part 774. The license requirements and licensing policy relating to ECCN 0E521 are set forth in § 742.6(a)(7) of the EAR.

0E604 "Technology" "required" for the "development," "production," operation, installation, maintenance, repair, overhaul, or refurbishing of commodities controlled by ECCN 0A604 or 0B604, or "software" controlled by ECCN 0D604 (see List of Items Controlled).

License Requirements

***Reason for Control*: NS, RS, AT, UN**

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry	NS Column 1
RS applies to entire entry	RS Column 1
AT applies to entire entry	AT Column 1
UN applies to entire entry	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2)of the EAR) may not be used for any "software" in 0D614.

List of Items Controlled

Related Controls: Technical data directly related to articles enumerated in USML Category IV are controlled under USML Category IV(i).

Related Definitions: N/A

Items:

a. "Technology" "required" for the "development," "production," operation, installation, maintenance, repair, overhaul, or refurbishing of commodities controlled by ECCN 0A604 or 0B604, or "software" controlled by ECCN 0D604.

b. [RESERVED**]**

0E606 "Technology" "required" for the "development," "production," operation, installation, maintenance, repair, overhaul, or refurbishing of ground vehicles and related commodities in 0A606, 0B606, 0C606, or software in 0D606 (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry, except 0E606.y.	NS Column 1
RS applies to entire entry, except 0E606.y.	RS Column 1
AT applies to entire entry.	AT Column 1
UN applies to entire entry, except 0E606.y.	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of the EAR) may not be used for any technology in 0D606.

List of Items Controlled

Related Controls: Technical data directly related to articles enumerated in USML Category VII are subject to the controls of USML paragraph VII(h).

Related Definitions: N/A

Items:

a. "Technology" "required" for the "development," "production," operation, installation, maintenance, repair, overhaul, or refurbishing of commodities enumerated or otherwise described in ECCN 0A606 (except for ECCNs 0A606.b or 0A606.y).

b. through x. [RESERVED]

y. Specific "technology" "required" for the "development," "production," operation, installation, maintenance, repair, overhaul or refurbishing of commodities or software in ECCN 0A606.y or 0D606.y.

0E614 "Technology," as follows (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry	NS Column 1
RS applies to entire entry	RS Column 1
AT applies to entire entry	AT Column 1
UN applies to entire entry	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of the EAR) may not be used for any technology in 0E614.

List of Items Controlled

Related Controls: "Technical data" directly related to articles enumerated in USML Category IX is subject to the control of USML paragraph IX(e).

Related Definitions: N/A

Items:

a. "Technology" "required" for the "development," "production," operation, installation, maintenance, repair, overhaul, or refurbishing of commodities or "software" controlled by ECCNs 0A614, 0B614, or 0D614.

b. [RESERVED]

0E617 "Technology" "required" for the "development," "production," operation, installation, maintenance, repair, overhaul, or refurbishing of commodities controlled by ECCN 0A617, "equipment controlled by 0B617, or materials controlled by 0C617, or "software" controlled by ECCN 0D617 (see List of Items Controlled).

License Requirements

Reason for Control: NS, RS, AT, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738)*
NS applies to entire entry, except 0E617.y.	NS Column 1
RS applies to entire entry, except 0E617.y.	RS Column 1
AT applies to entire entry.	AT Column 1
UN applies to entire entry, except 0E617.y.	See § 746.1(b) for UN controls

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: N/A

Special Conditions for STA

STA: Paragraph (c)(2) of License Exception STA (§ 740.20(c)(2) of the EAR) may not be used for any technology in 0E617.

List of Items Controlled

Related Controls: Technical data directly related to articles controlled by USML Category XIII are subject to the control of USML paragraph XIII(*l*).

Related Definitions: N/A

Items:

a. "Technology" (other than "technology" controlled by paragraph .y of this entry) "required" for the "development," "production," operation, installation, maintenance, repair, overhaul, or refurbishing of commodities or "software" controlled by ECCN 0A617 (except 0A617.y), 0B617, 0C617, or 0D617 (except 0D617.y).

b. through x. [RESERVED].

y. Specific "technology" "required" for the "production," "development," operation, installation, maintenance, repair, overhaul, or refurbishing of commodities controlled by ECCN 0A617.y or "software" controlled by 0D617.y.

0E918 "Technology" for the "development", "production", or "use" of bayonets.

License Requirements

Reason for Control: RS, UN, AT

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*
RS applies to entire entry	RS Column 2

UN applies to entire entry	See § 746.1(b) for UN controls.
AT applies to entire entry	AT Column 1

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

The list of items controlled is contained in the ECCN heading.

0E982 "Technology" exclusively for the "development" or "production" of equipment controlled by 0A982 or 0A985.

License Requirements

Reason for Control: CC

Control(s)

CC applies to "technology" for items controlled by 0A982 or 0A985. A license is required for ALL destinations, except Canada, regardless of end-use. Accordingly, a column specific to this control does not appear on the Commerce Country Chart. (See part 742 of the EAR for additional information.)

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

The list of items controlled is contained in the ECCN heading.

0E984 "Technology" for the "development" or "production" of shotguns controlled by 0A984 and buckshot shotgun shells.

License Requirements

Reason for Control: CC, UN

Control(s)	*Country Chart (See Supp. No. 1 to part 738).*
CC applies to "technology" for shotguns with a barrel length over 18 in. (45.72 cm), and for shotgun shells controlled by ECCN 0A984.	CC Column 1
UN applies to entire entry	See § 746.1(b) for UN controls.

List Based License Exceptions (See Part 740 for a description of all license exceptions)

CIV: N/A
TSR: N/A

List of Items Controlled

Related Controls: N/A
Related Definitions: N/A
Items:

The list of items controlled is contained in the ECCN heading.

EAR99 Items subject to the EAR that are *not* elsewhere specified in this CCL Category *or* in

any other category in the CCL are designated by the number EAR99.