

of destruction, including versions of these aircraft which perform specialized electronic warfare, suppression of air defense or reconnaissance missions. The term “combat aircraft” does not include primary trainer aircraft, unless designed, equipped, or modified as described above.

(5) Attack Helicopters: Rotary-wing aircraft designed, equipped or modified to engage targets by employing guided or unguided anti-armor, air-to-surface, air-to-subsurface, or air-to-air weapons and equipped with an integrated fire control and aiming system for these weapons, including versions of these aircraft that perform specialized reconnaissance or electronic warfare missions.

(6) Warships: Vessels or submarines armed and equipped for military use with a standard displacement of 750 metric tons or above, and those with a standard displacement of less than 750 metric tons that are equipped for launching missiles with a range of at least 25 kilometers or torpedoes with a similar range.

(7) Missiles and Missile Launchers:

(a) Guided or unguided rockets, or ballistic, or cruise missiles capable of delivering a warhead or weapon of destruction to a range of at least 25 kilometers, and those items that are designed or modified specifically for launching such missiles or rockets, if not covered by systems identified in paragraphs (1) through (6) of this Supplement. For purposes of this rule, systems in this paragraph include remotely piloted vehicles with the characteristics for missiles as defined in this paragraph but do not include ground-to-air missiles;

(b) Man-Portable Air-Defense Systems (MANPADS); or

(c) Unmanned Aerial Vehicles (UAVs) of any type, including sensors for guidance and control of these systems.

(8) Offensive Space Weapons: Systems or capabilities that can deny freedom of action in space for the United States and its allies or hinder the United States and its allies from denying an adversary the ability to take action in space. This includes systems such as anti-satellite missiles, or other systems designed to defeat or destroy assets in space.

(9) Command, Control, Communications, Computer, Intelligence, Surveillance, and Reconnaissance (C4ISR): Systems that support military commanders in the exercise of authority and direction over assigned forces across the range of military operations; collect, process, integrate, analyze, evaluate, or interpret information concerning foreign countries or areas; systematically observe aerospace, surface or subsurface areas, places, persons, or things by visual, aural, electronic, photographic, or other means; and obtain, by visual observation or other detection methods, information about the

activities and resources of an enemy or potential enemy, or secure data concerning the meteorological, hydrographic, or geographic characteristics of a particular area, including Undersea communications. Also includes sensor technologies.

(10) Precision Guided Munitions (PGMs), including “smart bombs”: Weapons used in precision bombing missions such as specially designed weapons, or bombs fitted with kits to allow them to be guided to their target.

(11) Night vision equipment: Any electro-optical device that is used to detect visible and infrared energy and to provide an image. This includes night vision goggles, forward-looking infrared systems, thermal sights, and low-light level systems that are night vision devices, as well as infrared focal plane array detectors and cameras specifically designed, developed, modified, or configured for military use; image intensification and other night sighting equipment or systems specifically designed, modified or configured for military use; second generation and above military image intensification tubes specifically designed, developed, modified, or configured for military use, and infrared, visible and ultraviolet devices specifically designed, developed, modified, or configured for military application.

[72 FR 33656, June 19, 2007]

PART 743—SPECIAL REPORTING

Sec.

743.1 Wassenaar Arrangement.

743.2 High performance computers: Post shipment verification reporting.

SUPPLEMENT NO. 1 TO PART 743—WASSENAAR ARRANGEMENT PARTICIPATING STATES

AUTHORITY: 50 U.S.C. app. 2401 *et seq*; Pub. L. 106–508; 50 U.S.C. 1701 *et seq*; E.O. 13222, 66 FR 44025, 3 CFR, 2001 Comp., p. 783; Notice of August 15, 2007, 72 FR 46137 (August 16, 2007).

SOURCE: 63 FR 2458, Jan. 15, 1998, unless otherwise noted.

§ 743.1 Wassenaar Arrangement.

(a) *Scope*. This section outlines special reporting requirements for exports of certain commodities, software and technology controlled under the Wassenaar Arrangement. Such reports must be submitted to BIS semiannually in accordance with the provisions of paragraph (f) of this section, and records of all exports subject to the reporting requirements of this section must be kept in accordance with part 762 of the EAR. This section does not require reports for reexports.

NOTE TO PARAGRAPH (a) OF THIS SECTION: For purposes of part 743, the term "you" has the same meaning as the term "exporter", as defined in part 772 of the EAR.

(b) *Requirements.* You must submit two (2) copies of each report required under the provisions of this section and maintain accurate supporting records (see § 762.2(b) of the EAR) for all exports of items specified in paragraph (c) of this section for the following:

(1) Exports authorized under License Exceptions GBS, CIV, TSR, LVS, APP, and the cooperating government portions (§§ 740.11(b)(2)(iii) and 740.11(b)(2)(iv) of the EAR) of GOV (see part 740 of the EAR). Note that exports of technology and source code under License Exception TSR to foreign nationals located in the U.S. should not be reported; and

(2) Exports authorized under the Special Comprehensive License procedure (see part 752 of the EAR).

(3) Exports authorized under the Validated End-User authorization (see § 748.15 of the EAR).

(c) *Items for which reports are required.*

(1) You must submit reports to BIS under the provisions of this section only for exports of items controlled under the following ECCNs:

(i) *Category 1:* 1A002; 1C007.c and .d; 1C010.c and .d; 1D002 for "development" of 1A002, 1C007.c and .d, and 1C010.c and .d; 1E001 for "development" and "production" of 1A002, 1C007.c and .d, and 1C010.c and .d; 1E002.e and .f;

(ii) *Category 2:* 2D001 (certain items only; see Note to this paragraph), 2E001 (certain items only; see Note to this paragraph), and 2E002 (certain items only; see Note to this paragraph);

NOTE TO PARAGRAPH (c)(1)(ii): *Reports for 2D001*, are for "software", other than that controlled by 2D002, specially designed for the "development" or "production" of the equipment in 2B001.a or .b (changing 6 μ m to 5.1 μ m in 2B001.a.1 and 2B001.b.1.a; and adding "a positioning accuracy with "all compensations available" equal to or less (better) than 5.1 μ m along any linear axis" to the existing text for 2B001.b.2) of the Commerce Control List (CCL).

Reports for 2E001, are for "technology" according to the General Technology Note for "development" of "software" as described in this paragraph for 2D001, or for the equipment in 2B001.a or .b (changing 6 μ m to 5.1 μ m in 2B001.a.1 and 2B001.b.1.a; and adding "a positioning accuracy with "all compensations

available" equal to or less (better) than 5.1 μ m along any linear axis" to the existing text for 2B001.b.2) of the CCL.

Reports for 2E002, are for "technology" according to the General Technology Note for "production" of the equipment in 2B001.a or .b (changing 6 μ m to 5.1 μ m in 2B001.a.1 and 2B001.b.1.a; and adding "a positioning accuracy with "all compensations available" equal to or less (better) than 5.1 μ m along any linear axis" to the existing text for 2B001.b.2) of the CCL.

(iii) *Category 3:* 3A002.g.2, 3B001.a.2, 3D001 for "development" or "production" of 3A002.g.2 or 3B001.a.2, and 3E001 for "development" or "production" of 3A002.g.2 or 3B001.a.2;

(iv) *Category 4:* 4A001.a.2; 4D001 (see paragraph (c)(2) of this section); and 4E001 (see paragraph (c)(2) of this section);

(v) *Category 5:* 5A001.b.3; 5B001.a (items specially designed for 5A001.b.3 and b.5); 5D001.a (specially designed for the "development" or "production" of equipment, function, or features in 5A001.b.3 or 5B001.a as described in this paragraph) and 5D001.b (specially designed or modified to support "technology" under 5E001.a as described in this paragraph); and 5E001.a (for the "development" or "production" of equipment, function, features, or "software" in 5A001.b.3, 5B001.a, 5D001.a or 5D001.b as described in this paragraph);

(vi) *Category 6:* 6A001.a.1.b (changing 10 kHz to 5 kHz and adding the text "or a sound pressure level exceeding 224 dB (reference 1 μ Pa at 1 m) for equipment with an operating frequency in the band from 5kHz to 10 kHz inclusive" to the existing text in 6A001.a.1.b.1), and 6A001.a.2.d; 6A002.a.1.a, 6A002.a.1.b, 6A002.a.2.a (changing 350 uA/Im to 700 uA/Im in 6A002.a.2.a.3.a), 6A002.a.3, 6A002.b, 6A002.c (incorporating 6A002.a.2.a or 6A002.a.3 having characteristics described in this paragraph), 6A002.e; 6A003.b.3 (incorporating 6A002.a.2.a having characteristics described in this paragraph), 6A003.b.4 (incorporating 6A002.a.3 having characteristics described in this paragraph); 6A004.c and d; 6A006.a.1, 6A006.a.2 (having a "noise level" (sensitivity) lower (better) than 2pT rms per square root Hz), 6A006.d (certain items only; see Note to this paragraph); 6A008.d, .h, and .k; 6D001 (for 6A004.c and .d and

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6A008.d, .h, and .k); 6E001 (for equipment and software listed in this paragraph); and 6E002 (for equipment listed in this paragraph);

Notes to paragraph (c)(1)(vi):

NOTE 1: Reports for 6A002.a.3 exclude the following “focal plane arrays”:

- a. Platinum Silicide having less than 10,000 elements;
- b. Iridium Silicide;
- c. Indium Antimonide or Lead Selenide having less than 256 elements;
- d. Indium Arsenide;
- e. Lead Sulphide;
- f. Indium Gallium Arsenide;
- g. Mercury Cadmium Telluride, as follows:
 1. ‘Scanning Arrays’ having any of the following:
 - a. 30 elements or less; or
 - b. Incorporating time delay-and-integration within the element and having 2 elements or less;
 2. ‘Staring Arrays’ less than 256 elements;

Technical Notes:

‘Scanning Arrays’ are defined as “focal plane arrays” designed for use with a scanning optical system that images a scene in a sequential manner to produce an image.

‘Staring Arrays’ are defined as “focal plane arrays” unfortunately designed for use with a non-scanning optical system that images a scene.

- h. Gallium Arsenide or Gallium Aluminum Arsenide quantum well having less than 256 elements; and
- i. Microbolometer having less than 8,000 elements.

NOTE 2: Reports for 6A006.d, are for “compensation systems” for the following:

- a. Magnetic sensors controlled in 6A006.a.2. using optically pumped or nuclear precession (proton/Overhauser) “technology” that will permit these sensors to realize a “noise level” (sensitivity) lower (better) than 2 pT rms per square root Hz.
- b. Underwater electric field sensors controlled in 6A006.b.
- c. Magnetic gradiometers controlled in 6A006.c. that will permit these sensors to realize a “noise level” (sensitivity) lower (better) than 3 pT/m rms per square root Hz.

(vii) *Category 7:* 7D002; 7D003.c, d.1 to d.4, and d.7; 7E001; and 7E002;

(viii) *Category 8:* 8A001.c; 8A002.b (for 8A001.b, .c, .d), .h, .j, .o.3, and .p; 8D001 (for commodities listed in this paragraph); 8D002; 8E001 (for commodities listed in this paragraph); and 8E002.a; and

(ix) *Category 9:* 9B001.b, 9D001 (for 9B001.b and 9E003 as described in this paragraph), 9D002 (for 9B001.b), 9D004.a, 9D004.c, 9E001 for technology controlled

for NS reasons, 9E002, 9E003.a.2, a.3.b, a.3.c, a.4, a.5, a.8, and a.9.

(2) Reports for “software” controlled by 4D001 (that is specially designed), and “technology” controlled by 4E001 (according to the General Technology Note in Supplement No. 2 to part 774 of the EAR) are required for the “development” or “production” of computers controlled under 4A001.a.2, or for the “development” or “production” of “digital computers” having an “Adjusted Peak Performance” (“APP”) exceeding 0.1 Weighted TeraFLOPS (WT). For the calculation of APP, see the Technical Note for Category 4 in the Commerce Control List (Supplement No. 2 to part 774 of the EAR).

(d) *Country Exceptions.* You must report each export subject to the provisions of this section, except for exports to Wassenaar member countries, as identified in Supplement No. 1 to part 743.

(e) *Information that must be included in each report.* (1) Each report submitted to BIS for items other than those identified in paragraph (e)(2) of this section must include the following information for each export during the time periods specified in paragraph (f) of this section:

(i) Export Control Classification Number and paragraph reference as identified on the Commerce Control List;

(ii) Number of units in the shipment; and

NOTE TO PARAGRAPH (e)(1)(ii): For exports of technology for which reports are required under § 743.1(c) of this section, the number of units in the shipment should be reported as one (1) for the initial export of the technology to a single ultimate consignee. Additional exports of the technology must be reported only when the type or scope of technology changes or exports are made to other ultimate consignees. Additionally, do not report the release of technology or source code subject to the EAR to foreign nationals in the U.S.

(iii) Country of ultimate destination.

(2) [Reserved]

(f) *Frequency and timing of reports.* You must submit reports subject to the provisions of this section semiannually. The reports must be labeled with the exporting company’s name and address at the top of each page and must

include for each such export all the information specified in paragraph (e) of this section. The reports shall cover exports made during six month time periods spanning from January 1 through June 30 and July 1 through December 31.

(1) The first report must be submitted to and received by BIS no later than August 1, 1998 for the partial reporting period beginning January 15, 1998 and ending June 30, 1998. Thereafter, reports are due according to the provisions of paragraphs (f)(2) and (f)(3) of this section.

(2) Reports for the reporting period ending June 30 must be submitted to and received by BIS no later than August 1.

(3) Reports for the reporting period ending December 31 must be submitted to and received by BIS no later than February 1.

(g) *Mailing address and facsimile number:* (1) Two (2) copies of reports required under this section shall be delivered to one of the following addresses. BIS will not accept reports sent C.O.D.

(i) For deliveries by U.S. postal service:

Bureau of Industry and Security, U.S. Department of Commerce, P.O. Box 273, Attn: "Wassenaar Reports", Washington, D.C. 20044

(ii) For courier deliveries:

Bureau of Industry and Security, U.S. Department of Commerce, Attn: "Wassenaar Reports", Room 2705, 14th Street and Pennsylvania Ave., N.W., Washington, D.C. 20230

(2) Reports may also be sent by facsimile to: (202) 482-3345, Attn: "Wassenaar Reports".

(h) *Contacts.* General information concerning the Wassenaar Arrangement and reporting obligations thereof is available from the Office of Strategic Trade and Foreign Policy Controls, Tel. (202) 482-0092, Fax: (202) 482-4094.

[63 FR 2458, Jan. 15, 1998]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 743.1, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.

§ 743.2 High performance computers: Post shipment verification reporting.

(a) *Scope.* This section outlines special post-shipment reporting requirements for exports of certain computers to destinations in Computer Tier 3, see § 740.7(d) for a list of these destinations. Post-shipment reports must be submitted in accordance with the provisions of this section, and all relevant records of such exports must be kept in accordance with part 762 of the EAR.

(b) *Requirement.* Exporters must file post-shipment reports and keep records in accordance with recordkeeping requirements in part 762 of the EAR for high performance computer exports to destinations in Computer Tier 3, as well as, exports of commodities used to enhance computers previously exported or reexported to Computer Tier 3 destinations, where the "Adjusted Peak Performance" ("APP") is greater than 0.75 Weighted TeraFLOPS (WT).

(c) *Information that must be included in each post-shipment report.* No later than the last day of the month following the month in which the export takes place, the exporter must submit the following information to BIS at the address listed in paragraph (d) of this section:

(1) Exporter name, address, and telephone number;

(2) License number;

(3) Date of export;

(4) End-user name, point of contact, address, telephone number;

(5) Carrier;

(6) Air waybill or bill of lading number;

(7) Commodity description, quantities—listed by model numbers, serial numbers, and APP level in WT; and

(8) Certification line for exporters to sign and date. The exporter must certify that the information contained in the report is accurate to the best of his or her knowledge.

NOTE TO PARAGRAPH (C) OF THIS SECTION: Exporters are required to provide the PRC End-User Certificate Number to BIS as part of their post-shipment report. When providing the PRC End-User Certificate Number to BIS, you must identify the transaction in the post shipment report to which that PRC End-User Certificate Number applies.

(d) *Mailing address.* A copy of the post-shipment report[s] required under

paragraph (b) of this section shall be delivered to one of the following addresses. Note that BIS will not accept reports sent C.O.D.

(1) For deliveries by U.S. postal service: U.S. Department of Commerce, Bureau of Industry and Security, P.O. Box 273, Washington, DC 20044, Attn: Office of Enforcement Analysis HPC Team, Room 4065.

(2) For courier deliveries: U.S. Department of Commerce, Office of Enforcement Analysis, HPC Team, 14th Street and Constitution Ave., NW., Room 4065, Washington, DC 20230.

[71 FR 20886, Apr. 24, 2006]

SUPPLEMENT NO. 1 TO PART 743—
WASSENAAR ARRANGEMENT PARTICIPATING STATES

Argentina	Luxembourg
Australia	Malta
Austria	Netherlands
Belgium	New Zealand
Bulgaria	Norway
Canada	Poland
Croatia	Portugal
Czech Republic	Romania
Denmark	Russia
Estonia	Slovakia
Finland	Slovenia
France	South Africa
Germany	South Korea
Greece	Spain
Hungary	Sweden
Ireland	Switzerland
Italy	Turkey
Japan	Ukraine
Latvia	United Kingdom
Lithuania	United States

[63 FR 55020, Oct. 14, 1998, as amended at 70 FR 41102, July 15, 2005; 71 FR 52964; Sept. 7, 2006]

PART 744—CONTROL POLICY: END-USER AND END-USE BASED

Sec.

744.1 General provisions.

744.2 Restrictions on certain nuclear end-uses.

744.3 Restrictions on Certain Rocket Systems (including ballistic missile systems and space launch vehicles and sounding rockets) and Unmanned Air Vehicles (including cruise missile systems, target drones and reconnaissance drones) End-Uses.

744.4 Restrictions on certain chemical and biological weapons end-uses.

744.5 Restrictions on certain maritime nuclear propulsion end-uses.

744.6 Restrictions on certain activities of U.S. persons.

744.7 Restrictions on certain exports to and for the use of certain foreign vessels or aircraft.

744.8 [Reserved]

744.9 Restrictions on technical assistance by U.S. persons with respect to encryption items.

744.10 Restrictions on certain entities in Russia.

744.11 [Reserved]

744.12 Restrictions on exports and reexports to persons designated in or pursuant to Executive Order 13224 (Specially Designated Global Terrorist) (SDGT).

744.13 Restrictions on exports and reexports to persons designated pursuant to Executive Order 12947 (Specially Designated Terrorist) (SDT).

744.14 Restrictions on exports and reexports to designated Foreign Terrorist Organizations (FTOs).

744.15 Restrictions on exports and reexports involving persons named in General Orders.

744.16 [Reserved]

744.17 Restrictions on certain exports and reexports of general purpose micro-processors for “military end-uses” and to “military end-users.”

744.18 Restrictions on exports, reexports, and transfers to persons designated in or pursuant to Executive Order 13315.

744.19 Licensing policy regarding persons sanctioned pursuant to specified statutes.

744.20 License requirements that apply to certain sanctioned entities.

744.21 Restrictions on certain military end-uses in the People’s Republic of China (PRC).

744.22 Restrictions on Exports, Reexports and Transfers to Persons Listed in or Designated Pursuant to Executive Orders 13310 and 13448.

SUPPLEMENT NO. 1 TO PART 744—MILITARY END-USE EXAMPLES FOR §744.17

SUPPLEMENT NO. 2 TO PART 744—LIST OF ITEMS SUBJECT TO THE MILITARY END-USE LICENSE REQUIREMENT OF §744.21

SUPPLEMENT NO. 3 TO PART 744—COUNTRIES NOT SUBJECT TO CERTAIN NUCLEAR END-USE RESTRICTIONS IN §744.2(A)

SUPPLEMENT NO. 4 TO PART 744—ENTITY LIST

AUTHORITY: 50 U.S.C. app. 2401 *et seq.*; 50 U.S.C. 1701 *et seq.*; 22 U.S.C. 3201 *et seq.*; 42 U.S.C. 2139a; 22 U.S.C. 7201 *et seq.*; 22 U.S.C. 7210; E.O. 12058, 43 FR 20947, 3 CFR, 1978 Comp., p. 179; E.O. 12851, 58 FR 33181, 3 CFR, 1993 Comp., p. 608; E.O. 12938, 59 FR 59099, 3 CFR, 1994 Comp., p. 950; E.O. 12947, 60 FR 5079, 3 CFR, 1995 Comp., p. 356; E.O. 13026, 61 FR 58767, 3 CFR, 1996 Comp., p. 228; E.O. 13099, 63 FR 45167, 3 CFR, 1998 Comp., p. 208; E.O. 13222, 66 FR 44025, 3 CFR, 2001 Comp., p.