

6A001.a.2.a.4, 6A001.a.2.a.5, 6A001.a.2.b, and 6A001.a.2.c; and (b) Equipment controlled by 6A001.a.2.e and 6A001.a.2.f when specially designed for real time applications; or (c) "Software" controlled by 6D001 and specially designed for the "development" or "production" of equipment controlled by 6A002.a.1.c, 6A008.1.3 or 6B008; or

(4) Exports or reexports to Rwanda.

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■ 38. In Supplement No. 1 to part 774 (the Commerce Control List), Category 7—Navigation and Avionics, Export Control Classification Number (ECCN) 7A003 is amended by revising the "items" paragraph in the List of Items Controlled section, to read as follows:

7A003 Inertial Navigation Systems (INS) and specially designed components therefor.

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List of Items Controlled

Unit: * * *

Related Controls: * * *

Related Definitions: * * *

Items:

a. Inertial navigation systems (gimballed or strapdown) and inertial equipment designed for "aircraft", land vehicle or "spacecraft" for attitude, guidance or control, having any of the following characteristics, and specially designed components therefor:

a.1. Navigation error (free inertial) subsequent to normal alignment of 0.8 nautical mile per hour (nm/hr) Circular Error Probable (CEP) or less (better); or

a.2. Specified to function at linear acceleration levels exceeding 10 g.

b. Hybrid Inertial Navigation Systems embedded with Global Navigation Satellite System(s) (GNSS) or with "Data-Based Referenced Navigation" ("DBRN") System(s) for attitude, guidance or control, subsequent

to normal alignment, having an INS navigation position accuracy, after loss of GNSS or "DBRN" for a period of up to 4 minutes, of less (better) than 10 meters Circular Error Probable (CEP).

Note 1: The parameters of 7A003.a and 7A003.b are applicable with any of the following environmental conditions:

1. Input random vibration with an overall magnitude of 7.7 g rms in the first half hour and a total test duration of one and one half hour per axis in each of the three perpendicular axes, when the random vibration meets the following:

a. A constant power spectral density (PSD) value of 0.04 g²/Hz over a frequency interval of 15 to 1,000 Hz; and

b. The PSD attenuates with frequency from 0.04 g²/Hz to 0.01 g²/Hz over a frequency interval from 1,000 to 2,000 Hz;

2. A roll and yaw rate of equal to or more than +2.62 rad/s (150 deg/s); or

3. According to national standards equivalent to 1. or 2. of this note.

Note 2: 7A003 does not control inertial navigation systems that are certified for use on "civil aircraft" by civil authorities of a country in Country Group A:1.

Technical Notes:

1. 7A003.b refers to systems in which an INS and other independent navigation aids are built into a single unit (embedded) in order to achieve improved performance.

2. "Circular Error Probable" ("CEP")—In a circular normal distribution, the radius of the circle containing 50 percent of the individual measurements being made, or the radius of the circle within which there is a 50 percent probability of being located.

■ 39. Part 774 is amended by revising Supplement No. 3, to read as follows:

Supplement No. 3 to Part 774—Statements of Understanding

Statement of Understanding—medical equipment: Commodities that are "specially

designed for medical end-use" that "incorporate" commodities or software on the Commerce Control List (Supplement No. 1 to part 774 of the EAR) that do not have a reason for control of Nuclear Nonproliferation (NP), Missile Technology (MT), or Chemical & Biological Weapons (CB) are designated by the number EAR99 (i.e., are not elsewhere specified on the Commerce Control List).

Notes applicable to State of Understanding related to Medical Equipment:

(1) "Specially designed for medical end-use" means designed for medical treatment or the practice of medicine (does not include medical research).

(2) "Incorporate" into medical equipment means to integrate with, or work indistinguishably into such equipment.

(3) Except for such software that is made publicly available consistent with § 734.3(b)(3) of the EAR, commodities and software "specially designed for medical end-use" remain subject to the EAR.

(4) See also § 770.2(b) interpretation 2, for other types of equipment that incorporate items on the Commerce Control List that are subject to the EAR.

(5) For computers used with medical equipment, see also ECCN 4A003 note 2 regarding the "principal element" rule.

(6) For commodities and software specially designed for medical end-use that incorporate an encryption or other "information security" item subject to the EAR, see also Note 1 to Category 5, Part II of the Commerce Control List.

Dated: December 2, 2003.

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[FR Doc. 03–30363 Filed 12–9–03; 8:45 am]

BILLING CODE 3510–33–P