

SCHEDULE 1

PROHIBITED GOODS

Part 2 —

Information Security

Equipment, Assemblies and Components

7E Technology

(7E001) **Technology required** for the **development** of **goods** or **software** specified in sub-categories 7A, 7B or 7D.

(7E002) **Technology required** for the **production** of **goods** specified in sub-categories 7A or 7B.

(7E003) **Technology required** for the repair, refurbishing or overhaul of **goods** specified in entries 7A001 to 7A004;

except:

for maintenance **technology** directly associated with calibration, removal or replacement of damaged or unserviceable LRUs and SRAs of a civil **aircraft** as described in Maintenance Level I or Maintenance Level II(1).

(7E004) Other technology, as follows:

(a) Technology for the development or production of:

- (1) Airborne automatic direction finding equipment operating at frequencies exceeding 5 MHz;
- (2) Air data systems based on surface static data only, i.e., which dispense with conventional air data probes;
- (3) Raster-type head-up displays or three dimensional displays for **aircraft**;
- (4) Inertial navigation systems or gyro-astro compasses containing accelerometers or gyros specified in entries 7A001 or 7A002;

(b) **Development technology**, as follows, for **active flight control systems** (including fly-by-wire or fly-by-light):

- (1) Configuration design for interconnecting multiple microelectronic processing elements (on-board computers) to achieve **real time processing** for control law implementation;
- (2) Control law compensation for sensor location or dynamic airframe loads, i.e., compensation for sensor vibration environment or for variation of sensor location from the centre of gravity;
- (3) Electronic management of data redundancy or systems redundancy for fault detection, fault tolerance, fault isolation or reconfiguration;

Note: Sub-head b.3. of this entry does not specify **technology** for the design of physical redundancy.

- (4) Flight controls which permit inflight reconfiguration of force and moment controls for real time autonomous air vehicle control;

(1) See Note to entry 7B001.

Status: This is the original version (as it was originally made). This item of legislation is currently only available in its original format.

- (5) Integration of digital flight control, navigation and propulsion control data into a digital flight management system for flight path optimization;

except:

development technology for aircraft flight instrument systems integrated solely for VOR, DME, ILS or MLS navigation or approaches;

- (6) Full authority digital flight control or multi sensor mission management systems incorporating knowledge-based expert systems (2);

(c) **Technology** for the **development** of helicopter systems, as follows:

- (1) Multi-axis fly-by-wire or fly-by-light controllers which combine the functions of at least two of the following into one controlling element:

- (a) Collective controls;
- (b) Cyclic controls;
- (c) Yaw controls;

- (2) *Circulation-controlled anti-torque or circulation-controlled directional control systems;*

- (3) Rotor blades incorporating variable geometry airfoils for use in systems using individual blade control.

(7E101) **Technology required** for the **use** of **goods** specified in entries 7A001 to 7A006, 7A101 to 7A106, 7A115 to 7A117, 7B002, 7B003, 7B102, 7B103 or 7D101 to 7D103.

(7E102) **Technology** for protection of avionics and electrical subsystems against electromagnetic pulse (EMP) and electromagnetic interference (EMI) hazards, from external sources, as follows:

- (a) Design **technology** for shielding systems;
- (b) Design **technology** for the configuration of hardened electrical circuits and sub-systems;
- (c) Design **technology** for the determination of hardening criteria for heads a. or b. of this entry.

(7E104) *Technology* for the integration of the flight control, guidance, and propulsion data into a flight management system for optimization of rocket system trajectory.

(2) For technology for Full Authority Digital Engine Control (FADEC) see sub-head a.10. of entry 9E003.