STATUTORY INSTRUMENTS

2026 No. 1150

CUSTOMS

TRADE

The Export Control (Amendment) Regulations 2026

Made - - - -	*29th October 2026*
Laid before Parliament	*3rd November 2026*
Coming into force - -	*1st December 2026*

The Secretary of State makes these Regulations in exercise of the powers conferred by sections 1(1) and (3), 2(1) and (3), 4(1), 5(2), (4), and (5) and 7(1)(a) and (2)(d) of the Export Control Act 2002(**a**) and Article 15(1) of Council Regulation (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items (Recast)(**b**).

PART 1
PRELIMINARY

Citation, commencement and extent

1.—(1) These Regulations may be cited as the Export Control (Amendment) Regulations 2026.

(2) These Regulations come into force on 1st December 2026.

(3) Parts 1 and 2 extend to England and Wales, Scotland and Northern Ireland.

(4) Part 3 extends to England and Wales, and Scotland.

(**a**) 2002 c. 28; see section 11 for defined terms used in these provisions. Sections 1, 2, 4 and 5 were amended by article 6(2)(c) of the Treaty of Lisbon (Changes in Terminology) Order 2011 (S.I. 2011/1043); sections 5 was amended by regulation 2 of the Trade etc. in Dual-Use Items and Firearms etc. (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/771), as amended by regulation 9 of the Export Control (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1502).

(**b**) EUR 2009/428; Article 15 was substituted by regulation 3(15) of the Trade etc. in Dual-Use Items and Firearms etc. (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/771), as substituted by regulation 2(3) of the Trade etc. in Dual-Use Items and Firearms etc. (Amendment) (EU Exit) (No. 2) Regulations 2019 (S.I. 2019/806).

PART 2

AMENDMENTS TO THE EXPORT CONTROL ORDER 2008

Amendments to the Export Control Order 2008

2. The Export Control Order 2008(**a**) is amended in accordance with regulations 3 and 4.

Amendments to Schedule 2 (Military Goods, Software and Technology)

3.—(1) Schedule 2 (Military Goods, Software and Technology) is amended as follows.

(2) For the definition of "riot control agents", including the Technical Note, substitute—

""riot control agents" ("RCAs") means substances which, under the expected conditions of use for riot control purposes, produce rapidly in humans sensory irritation or disabling physical effects which disappear within a short time following termination of exposure;

Technical Note:

Tear gases are a subset of "RCAs".

Note: "RCAs" include:

1. a-Bromobenzeneacetonitrile, (Bromobenzyl cyanide) (CA) (CAS 5798-79-8);

2. [(2-chlorophenyl) methylene] propanedinitrile, (o-Chlorobenzylidenemalononitrile) (CS) (CAS 2698-41-1);

3. 2-Chloro-1-phenylethanone, Phenylacyl chloride (ω-chloroacetophenone) (CN) (C reinforced AS 532-27-4);

4. Dibenz-(b,f)-1,4-oxazepine, (CR) (CAS 257-07-8);

5. 10-Chloro-5,10-dihydrophenarsazine, (Phenarsazine chloride), (Adamsite), (DM) (CAS 578-94-9);

6. N-Nonanoylmorpholine, (MPA) (CAS 5299-64-9).".

(3) For entry ML2.b.3., substitute—

"3. "Pyrotechnics" device or cartridge projectors.".

(4) In entry ML7—

(a) for ""riot control agents"", in both places those words occur, substitute ""Riot Control Agents" ("RCAs")";

(b) in entry ML7.b., for "warfare" substitute "Warfare";

(c) for entry ML7.d., not including the notes, substitute—

""RCAs", active constituent chemicals and combinations thereof;".

(5) In entry ML8—

(a) in entry ML8.b.4., for "steady-state" substitute "steady state";

(b) in entry ML8.f.14., for "(CAS 7406-61-9)" substitute "(CAS 7046-61-9)".

(6) In entry ML10.h.—

(**a**) S.I. 2008/3231; Schedule 2 was substituted by article 2(8) and the Schedule to the Export Control (Amendment) Order 2017 (S.I. 2017/85); relevant amending instruments are S.I. 2009/1305, 2151, 2969, 2010/121, 615, 2007, 2011/825, 1304, 2010, 2925, 2012/1910, 2013/3182, 2014/1069, 2357, 2015/940, 1546, 1586, 2016/503, 787, 2017/83, 85, 697, 2018/108, 165, 939, 2019/137, 989, 1159, 1236, 2020/1502, 2021/586, 2022/491, 1042, 1300, 2023/302, 695, 1048, 2024/346, 2025/532 and 1197. There are other amending instruments, but none is relevant.

(a) for entry ML10.h.1., substitute—

"1. Cargo or personnel parachutes;

N.B.: For other military parachutes, see the relevant ML entry.";

(b) after entry ML10.h.3., insert—

"*Note: ML10.h.3. includes suits, helmets, breathing systems and navigation equipment.*".

(7) After entry ML19.f., and before the Technical Note, insert—

"*Note 1:* *DEW systems specified in ML19. include systems whose capability is derived from the controlled application of:*

a. "Lasers" of sufficient power to effect destruction similar to the manner of conventional ammunition;

b. Particle accelerators which project a charged or neutral particle beam with destructive power;

c. High pulsed power or high average power radio frequency beam transmitters, which produce fields sufficiently intense to disable electronic circuitry at a distant target.

Note 2: *ML19. includes the following when specially designed for DEW systems:*

a. Prime power generation, energy storage, switching, power conditioning or fuel-handling equipment;

b. Target acquisition or tracking systems;

c. Systems capable of assessing target damage, destruction or mission abort;

d. Beam-handling, propagation or pointing equipment;

e. Equipment with rapid beam slew capability for rapid multiple target operations;

f. Adaptive optics and phase conjugators;

g. Current injectors for negative hydrogen ion beams;

h. "Space-qualified" accelerator components;

i. Negative ion beam funnelling equipment;

j. Equipment for controlling and slewing a high energy ion beam;

k. "Space-qualified" foils for neutralising negative hydrogen isotope beams.".

(8) In entry ML21.b.4.—

(a) for "(C^3I)" substitute "(C3I)";

(b) for "(C^4I)" substitute "(C4I)".

Amendments to Schedule 4 (Countries and Destinations Subject to Stricter Export or Trade Controls)

4.—(1) Schedule 4 (Countries and Destinations Subject to Stricter Export or Trade Controls) is amended as follows.

(2) In Part 2 (embargoed and subject to transit control for military goods)—

(a) omit "Central African Republic";

(b) at the appropriate place, insert "Haiti".

(3) In Part 3 (subject to transit control for military goods)—

(a) omit "Haiti";

(b) at the appropriate place, insert "Central African Republic".

PART 3

AMENDMENTS TO COUNCIL REGULATION (EC) NO 428/2009

Meaning of "Dual-Use Regulation"

5. In this Part, the "Dual-Use Regulation" means Council Regulation (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items (Recast).

Amendments to Annex I to the Dual-Use Regulation

6. Annex I (list of dual-use items) to the Dual-Use Regulation is amended in accordance with regulations 7 to 17(**a**).

Amendments to Acronyms and Abbreviations Used in this Annex

7.—(1) The table in the section headed Acronyms and Abbreviations Used in this Annex is amended as follows.

(2) Omit the following entries—

(a) "DS";

(b) "SC";

(c) "UPR";

(d) "UTS".

(3) In the entry for "AGMA", for "Manufacturers'" substitute "Manufacturers".

(4) Insert the following entries in the appropriate places—

"ASLR	Address Space Layout Randomisation
AV	Antivirus
C3I	Command, Communications, Control & Intelligence

(**a**) EUR 2009/428. Annex I was substituted by Commission Delegated Regulation (EU) 2020/1749 of 7 October 2020 amending Council Regulation (EC) No 428/2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items; relevant amending instruments to Annex I are S.I. 2022/410, 2023/302, 695 and 1048, 2024/346, 2025/532 and 1197. There are other amending instruments, but none is relevant.

C4I	Command, Communications, Control, Computer & Intelligence
DEP	Data Execution Prevention
ETSI TS	European Telecommunications Standards Institute Technical Specification
GDSII	Geometrical Database Standard II
IDS	Intrusion Detection Systems
IMEI	International Mobile Equipment Identity
IMSI	International Mobile Subscriber Identity
IPS	Intrusion Prevention Systems
JFET	Junction Field Effect Transistor
JTAG	Joint Test Action Group
LOB	Line of Bearing
MCT	MOS Controlled Thyristors
MOS	Metal Oxide Semiconductor
OEIC	Optoelectronic Integrated Circuit
PIC	Photonic Integrated Circuit
PSP	Personal Security Products
QoE	Quality of Experience
QoS	Quality of Service
RAN	Radio Access Network
RTL	Register Transfer Level
RCA	Riot Control Agent
SDR	Software Defined Radio
TIMSI	Temporary International Mobile Subscriber Identity
3GPP TS	Third Generation Partnership Project Technical Specification".

Amendments to Definitions

8.—(1) The section headed Definitions of Terms used in this Annex is amended as follows.

(2) For the definition of ""Riot control agent"", including the Technical Note, substitute—

""Riot Control Agent" ("RCAs") means substances which, under the expected conditions of use for riot control purposes, produce rapidly in humans sensory irritation or disabling physical effects which disappear within a short time following termination of exposure.

Technical Note:

Tear gases are a subset of "RCAs".

Note:

"RCAs" include:

1. a-Bromobenzeneacetonitrile, (Bromobenzyl cyanide) (CA) (CAS 5798-79-8);

2. [(2-chlorophenyl) methylene] propanedinitrile, (o-Chlorobenzylidenemalononitrile) (CS) (CAS 2698-41-1);

3. 2-Chloro-1-phenylethanone, Phenylacyl chloride (ω-chloroacetophenone) (CN) (C reinforced AS 532-27-4);

4. Dibenz-(b,f)-1,4-oxazepine, (CR) (CAS 257-07-8);

5. 10-Chloro-5,10-dihydrophenarsazine, (Phenarsazine chloride), (Adamsite), (DM) (CAS 578-94-9);

6. N-Nonanoylmorpholine, (MPA) (CAS 5299-64-9).".

Amendments to Category 1 - Special Materials and Related Equipment

9.—(1) The section headed Category 1 - Special Materials and Related Equipment is amended as follows.

(2) In the section headed 1A Systems, Equipment and Components—

(a) in entry 1A001.a., for "50 %" substitute "50%";

(b) in entry 1A004.a.3., for "warfare" substitute "Warfare";

(c) for entry 1A004.a.4., substitute—

"4. "Riot Control Agents" ("RCAs");";

(d) in entry 1A004.b.3., for "warfare" substitute "Warfare";

(e) for entry 1A004.c.3., substitute—

"3. Chemical Warfare (CW) agents.

Note:

1A004.c. does not apply to detection systems limited to the detection of any of the following:

a. Cyanogen chloride (CAS 506-77-4);

b. Hydrocyanic acid (CAS 74-90-8);

c. Chlorine (CAS 7782-50-5);

d. Carbonyl chloride (phosgene) (CAS 75-44-5);

e. Diphosgene (trichloromethyl-chloroformate) (CAS 503-38-8);

f. Xylyl bromide, ortho: (CAS 89-92-9), meta: (CAS 620-13-3), para: (CAS 104-81-4);

g. Benzyl bromide (CAS 100-39-0);

h. Benzyl iodide (CAS 620-05-3);

i. Bromo acetone (CAS 598-31-2);

j. Cyanogen bromide (CAS 506-68-3);

k. Bromo methylethylketone (CAS 816-40-0);

l. Chloro acetone (CAS 78-95-5);

m. Ethyl iodoacetate (CAS 623-48-3);

n. Iodo acetone (CAS 3019-04-3);

o. Chloropicrin (CAS 76-06-2).";

(f) in paragraph 1 of the Technical Notes to entry 1A004—

(i) for "*chemical warfare*" substitute "*Chemical Warfare (CW)*";

(ii) for "*"riot control agents"*" substitute "*"Riot Control Agents" ("RCAs")*";

(g) in entry 1A007.b.1., for "bridge" substitute "Bridge";

(h) in entry 1A007.b.2., for "bridge wire" substitute "Bridge Wire";

(i) in entry 1A007.b.4., for "foil initiators" substitute "Foil Initiators".

(3) In the section headed 1B Test, Inspection and Production Equipment—

(a) in entry 1B001.d.2., for "chemical vapour deposition" substitute "Chemical Vapour Deposition (CVD)";

(b) in paragraph 1 of the Technical Notes to entry 1B001—

(i) omit "*axes control, under computer "program" direction,*";

(ii) after "*the positioning*" insert "*, under computer "program" direction,*";

(c) after entry 1B235, insert—

"[1B501] Equipment designed for the "production" of "composite" structures or laminates or "fibrous or filamentary materials", as follows, and specially designed components and accessories therefore:

d. Equipment specially designed or modified for the "production" of "fibrous or filamentary materials" specified in 1C010, as follows:

2. Equipment, not specified in 1B001.d.2., for the "production" of multiple parallel silicon carbide fibres by '"laser"-driven Chemical Vapour Deposition (CVD)'.

Technical Note:

For the purposes of 1B501.d.2., '"laser"-driven CVD' uses a "laser" as the energy source, resulting in the fibre's unsupported growth.

[1B504] Additive manufacturing equipment designed or modified to produce explosive, pyrotechnic or propellant devices or shapes from "energetic materials", and having one or more ultrasonic extruders or nozzles.".

(4) In the section headed 1C Materials—

(a) for entry 1C007.c.1.a., substitute—

"a. Continuous fibres having all of the following:

1. being made from any of the following materials:

a. Al_2O_3 (CAS 1344-28-1); or

b. Si-C-N; and

2. Having all of the following:

a. Tensile strength equal to or greater than 700 MPa at 1 273 K (1 000°C); and

b. Tensile creep resistance equal to or less than 1% creep strain at 100 MPa load 1 273 K (1 000°C) for 100 hours.";

(b) in entry 1C007.c.1.b.—

(i) for "being" substitute "having";

(ii) in entry 1C007.c.1.b.1, for "Made" substitute "Being made";

(c) in entry 1C007.e., for "1C007.c.," substitute "1C007.c. or 1C507.c.,";

(d) after entry 1C350.90., on a new line insert—

"91. 1,1,3,3-Tetraethylguanidine (CAS 13439-87-7).";

(e) after entry 1C450, insert—

"[1C507] Ceramic powders, ceramic-"matrix" "composite" materials and 'precursor materials', as follows:

c. Ceramic-"matrix" "composite" materials as follows:

1. Ceramic-ceramic "composite" materials with a glass or oxide-"matrix" and reinforced with:

a. Continuous fibres, not specified in 1C007.c.1.a., having all of the following:

1. Being made from any of the following Al_2O_3-based materials or a combination thereof:

a. Al_2O_3; or

b. Mullite ($3Al_2O_3.2SiO_2$); and

2. Having all of the following:

a. Tensile strength equal to or greater than 700 MPa at 1 273 K (1 000 °C); and

b. Tensile creep resistance equal to or less than 1% creep strain at 100 MPa load and 1 273 K (1 000 °C) for 100 hours.".

(5) In the section headed 1E Technology, in entry 1E002.f., for "or 1C007.c.;" substitute ", 1C007.c. or 1C507.c.;"

Amendments to Category 2 - Materials Processing

10.—(1) The section headed Category 2 - Materials Processing is amended as follows.

(2) In the section headed 2B Test, Inspection and Production Equipment—

(a) in entry 2B001.b.4.a., for "TIR" substitute "Total Indicated Reading (TIR)";

(b) in entry 2B002.d.1., for “finishing” substitute “Finishing”;

(c) in entry 2B002.d.2., for “finishing” substitute “Finishing”;

(d) in entry 2B003.c., for “AGMA” substitute “American Gear Manufacturers Association (AGMA)”;

(e) in entry 2B005, for “2E003.f.” substitute “2E301,”;

(f) in entry 2B005.a., for “Chemical vapour deposition” substitute “Chemical Vapour Deposition”;

(g) in entry 2B005.a.1.b., for “Controlled nucleation thermal deposition” substitute “Controlled Nucleation Thermal Deposition”;

(h) in entry 2B005.c.,for “Electron beam physical vapour deposition” substitute “Electron Beam Physical Vapour Deposition”;

(i) in the Note to entry 2B005, for “*chemical vapour deposition*” substitute “*Chemical Vapour Deposition*”;

(j) in entry 2B201.c., after “ISO 230-2:1988” insert “or national equivalents";

(k) in entry 2B226, for “9B001 and 3B001” substitute “3B001 and 9B001”;

(l) for the Note to entry 2B350, substitute—

“*Note 1:*

For the purposes of 2B350, the materials used for gaskets, packing, seals, screws, washers or other materials performing a sealing function do not determine the status of control, provided that such components are designed to be interchangeable.

Note 2:

For the purposes of 2B350.a. to 2B350.i. and 2B350.k. the phrase “…where all surfaces that come in (or into) direct contact with the chemical(s) are made from…“ is understood to include all operations with the chemical(s), which are wetting the surfaces concerned: inter alia producing, processing, consuming, containing, storing, transferring, and/or conducting and controlling the flow.”;

(m) in the Note to entry 2B352.d.1., for “*reverse osmosis and hemodialysis equipment*” substitute “*equipment designed for reverse osmosis or for blood for medical applications (e.g. haemodialysis or plasmapheresis)*”;

(n) in entry 2B352.i.—

(i) for “assemblers and synthesisers,” substitute “synthesisers or synthesisers and assemblies,”;

(ii) for “1,5” substitute “0,5”;

(iii) omit “with error rates less than 5 % in a single run”.

(3) In the section headed 2E Technology—

(a) in the Technical Note to the table (Deposition techniques) that appears after entry 2E301—

(i) in the N.B.1. to paragraph a., for “*controlled nucleation thermal deposition*” substitute “*Controlled Nucleation Thermal Deposition*”;

(ii) in paragraph b.1., for “Electron Beam PVD” substitute “Electron Beam-Physical Vapour Deposition (EB-PVD)”;

(iii) in paragraph g., for “electron beam physical vapour deposition” substitute “Electron Beam-Physical Vapour Deposition (EB-PVD)”;

(b) omit entry 2E503, including the Technical Note;

(c) before the table (Deposition techniques) that appears after entry 2E301, insert—

"2E503 "Technology" as follows:

g. "Technology", not specified elsewhere, for the "development" or "production" of 'coating systems' having all the following:

1. Designed to protect ceramic "matrix" "composite" materials specified in 1C007 or 1C507 from corrosion; and

2. Designed to operate at temperatures exceeding 1 373,15 K (1 100°C).

Technical Note:

For the purposes of 2E503.g.,'coating systems' consist of one or more layers (e.g., bond, interlayer, top coat) of material deposited on the substrate.".

Amendments to Category 3 - Electronics

11.—(1) The section headed Category 3 - Electronics is amended as follows.

(2) In the section headed 3A Systems, Equipment and Components—

(a) in Note 1 to section 3A, for "*3A001 or 3A002*" substitute "*3A001, 3A002 or 3A501.15.*";

(b) in entry 3A001.a.2., for "Static Random-Access Memories" substitute "Static Random Access Memories";

(c) for entry 3A001.a.5.a.1., substitute "Not used;";

(d) for entry 3A001.a.14.a.1., substitute "Not used;";

(e) in Note 1 to entry 3A001.b.1, for "*the ITU*" substitute "*the International Telecommunication Union (ITU)*";

(f) in entry 3A001.b.1.a.2., for "RF" substitute "Radio Frequency (RF)";

(g) in entry 3A001.b.10., for "single sideband" substitute "Single Sideband";

(h) in entry 3A001.e.1.b., for "350" substitute "500";

(i) in Note 1 to entry 3A001.g., for "*MOS Controlled Thyristors (MCTs)*" substitute "*Metal Oxide Semiconductor (MOS) Controlled Thyristors (MCTs)*";

(j) in entry 3A002.d.4., for "single sideband" substitute "Single Sideband";

(k) in entry 3A002.d.5., for "An 'RF" substitute "A 'Radio Frequency (RF)";

(l) for entry 3A002.h.1.a., substitute "Not used;";

(m) for entry 3A501.a.16., not including the N.B. and the Technical Notes, substitute—

"16. Integrated circuits having one or more digital processing units, having any of the following:

a. A 'Total Processing Performance' ('TPP') greater than or equal to 6 000; *or*

b. A 'TPP' greater than or equal to 1 600 and less than 6 000 and a 'performance density' greater than or equal to 5,92.

Note:

3A501.a.16.b. does not apply to items that are not designed for use in 'data centres'.";

(n) in the N.B. to entry 3A501.a.16., for ""digital computers" and "electronic assemblies"" substitute "*computers, "electronic assemblies" and components*";

(o) in the Technical Note to entry 3A501.a.16.—

(i) in paragraph 1., for "'Total processing performance' ('TPP')" substitute "'*TPP*'";

(ii) in paragraph 2., for "300 tera FLOPS (or 2 x 150 'MacTOPS')" substitute "*375 tera FLOPS*";

(iii) after paragraph 3., insert—

"*4.* *'Performance density' is 'TPP' divided by 'applicable die area'. 'Applicable die area' is measured in millimetres squared and includes all die area of logic dies manufactured with a process node that uses a non-planar transistor architecture.*

5. *'Data centre' is a structure, or group of structures, dedicated to the centralised accommodation, interconnection and operation of information technology and network telecommunications equipment providing data storage, processing or transmission services together with all the facilities and infrastructure for power distribution and environmental control.*";

(p) after entry 3A501.b.13.c., insert—

"d. Not Used;

e. Not Used;

f. Rotary input type absolute position inductive encoders, not specified in 3A001.f., having all of the following:

1. Digital output;

2. Outer diameter less than or equal to 40 mm; and

3. Resolution equal to or greater than 16 bits;

h. Solid-state power semiconductor switches, diodes, or 'modules' rated for a maximum operating junction temperature less than or equal to 488 K (215ºC) and having all of the following:

1. Repetitive peak off-state voltage (blocking voltage) exceeding 5 000 V;

2. Continuous current greater than 1 A; and

3. Semiconductor material with a bandgap of more than 2,0 eV.

Note 1: *Repetitive peak off-state voltage in 3A501.h.1. includes drain to source voltage, collector to emitter voltage, repetitive peak reverse voltage and peak repetitive off-state blocking voltage.*

Note 2: *3A501.h. includes:*
— Junction Field Effect Transistors (JFETs);
— Vertical Junction Field Effect Transistors (VJFETs);
— Metal Oxide Semiconductor Field Effect Transistors (MOSFETs);
— Double Diffused Metal Oxide Semiconductor Field Effect Transistor (DMOSFET);
— Insulated Gate Bipolar Transistor (IGBT);
— Thyristors and Silicon Controlled Rectifiers (SCRs);
— Bipolar Junction Transistors (BJTs);
— High Electron Mobility Transistors (HEMTs);
— Gate Turn-Off Thyristors (GTOs);
— Emitter Turn-Off Thyristors (ETOs);
— PiN Diodes;
— Schottky Diodes.

Note 3: *3A501.h. does not apply to switches, diodes, or 'modules', incorporated into equipment designed for civil automobile, civil railway, "civil aircraft", civil power transmission and distribution, or civil 'energy conversion' applications.*

Note 4: *3A501.h. includes silicon carbide, gallium nitride, and gallium oxide semiconductor switches, diodes or 'modules'.*

Technical Notes:

For the purposes of 3A501.h.2.:

1. 'Modules' contain one or more solid-state power semiconductor switches or diodes.

2. 'Energy conversion' is the process of converting one form of energy into another form of energy.

N.B. See also 3A001.h".

(3) In the section headed 3B Test, Inspection and Production Equipment—

(a) in the Note to entry 3B001.f.2., for "*flash imprint lithography*" substitute "*Flash Imprint Lithography*";

(b) in entry 3B001.f.3.b.1., for "full width half maximum" substitute "Full-Width Half-Maximum";

(c) for entry 3B501.f.1.a., substitute "Not used;";

(d) after entry 3B501.n.1.c., including the Technical Note, insert—

"d. Equipment designed or modified for deposition of molybdenum, ruthenium, or combinations thereof, having all of the following:

1. Designed to operate with a metal precursor source designed or modified to operate at a temperature greater than 348 K (75ºC); and

2. A process chamber (module) using a reducing agent containing hydrogen at a pressure equal to or greater than 4 kPa.

Technical Note:

For the purposes of 3B501.n.1.d.1., the metal precursor source need not be integrated with the equipment. The metal precursor could be delivered by an on-tool source or sub-fab metal precursor source.";

(e) after entry 3B501.n., insert—

"o. Equipment designed for coating, depositing, baking or developing photoresist formulated for 'Extreme Ultraviolet' ('EUV') lithography;

Technical Note:

'Extreme Ultraviolet' ('EUV') refers to electromagnetic spectrum wavelengths greater than 5 nm and less than 124 nm.

p. Inspection equipment designed for the detection of defects in, or particles on, 'Extreme Ultraviolet' ('EUV') mask blanks or 'EUV' patterned masks;

Technical Note:

'Extreme Ultraviolet' ('EUV') refers to electromagnetic spectrum wavelengths greater than 5 nm and less than 124 nm.

q. Single wafer wet cleaning equipment with 'surface modification' drying;

Technical Note:

For the purpose of 3B501.q.,'Surface modification' refers to silylation of a surface.

r. Equipment designed for single wafer cleaning using supercritical CO2 or sublimation drying;

s. Equipment designed for 'Extreme Ultraviolet' ('EUV') 'pattern shaping';

Technical Notes:

1. For the purposes of 3B501.s., 'pattern shaping' is a deposition or removal process used to improve overall patterning by reshaping or trimming patterns produced using "EUV" lithography. This process utilises non-vertical directed particles including ions, neutral particles, clusters, radicals, or light.

2. 'Extreme Ultraviolet' ('EUV') refers to electromagnetic spectrum wavelengths greater than 5 nm and less than 124 nm.

t. Equipment designed for ion beam deposition or Physical Vapour Deposition (PVD) of a multi-layer reflector for 'Extreme Ultraviolet' ('EUV') masks;

Technical Note:

'Extreme Ultraviolet' ('EUV') refers to electromagnetic spectrum wavelengths greater than 5 nm and less than 124 nm.".

(4) In the section headed 3C Materials, for entry 3C003, including the Note, substitute—

"[3C003] Organo-inorganic compounds as follows:

a. Organo-metallic compounds of aluminium, gallium or indium, having all the following:

1. A purity (metal basis) greater (better) than 99.999%; and

2. Aluminium, gallium or indium elements directly linked to carbon in the organic part of the molecule.

b. Organo-arsenic, organo-antimony and organo-phosphorus compounds, having all the following:

1. A purity (inorganic element basis) greater (better) than 99.999%; and

2. Arsenic, antimony or phosphorus elements directly linked to carbon in the organic part of the molecule.".

(5) In the section headed 3D Software—

(a) in entry 3D002, for "or 3B501.n." substitute "or 3B501.n. to 3B501.r.".

(b) in the Technical Notes to entry 3D006—

(i) in paragraph 1, for "'Electronic Computer-Aided Design' ('ECAD')" substitute "'ECAD'";

(ii) in paragraph 2, for "'Register Transfer Level' ('RTL')" substitute "'RTL'";

(iii) in paragraph 3, for "'Geometrical Database Standard II' ('GDSII')" substitute "'GDSII'".

(6) In the section headed 3E Technology—

(a) in entry 3E002, for "arithmetic logic unit" substitute "Arithmetic Logic Unit (ALU)";

(b) in the Technical Note to entry 3E002.a., for "vector arithmetic logic unit" substitute "ALU";

(c) in entry 3E003.e., for "silicon-on-insulator" substitute "Silicon-on-Insulator".

Amendments to Category 4 - Computers

12.—(1) The section headed Category 4 - Computers is amended as follows.

(2) In the section headed 4A Systems, Equipment and Components—

(a) in entry 4A506.a.5., after "physical" insert "qubit";

(b) in entry 4A507, after "components" insert ",";

(c) for the Note to entry 4A507, substitute—

"*Technical Note:*

For the purposes of 4A507, computers include "digital computers", hybrid computers, and analogue computers.".

(3) In the section headed Technical Note on "Adjusted Peak Performance" ("APP"), for "adjusted floating point operations" substitute "adjusted Floating Point Operations (FPO)".

Amendments to Category 5 - Telecommunications and "Information Security"

13.—(1) The section headed Category 5 - Telecommunications and "Information Security" is amended as follows.

(2) In the section headed 5A1 Systems, Equipment and Components—

(a) in Note 1 to entry 5A001.d.—

(i) for "*Note1*" substitute "*Note 1*";

(ii) for "*ICAO*" substitute "*International Civil Aviation Organization (ICAO)*".

(b) in entry 5A001.f.2., for "IMSI, TIMSI or IMEI" substitute "International Mobile Subscriber Identity (IMSI), Temporary International Mobile Subscriber Identity (TIMSI) or International Mobile Equipment Identity (IMEI)";

(c) in entry 5A001.f.4., for "RF" substitute "Radio Frequency (RF)".

(3) In the section headed 5E1 Technology—

(a) in the Note to entry 5E001.c.4.b., for "*ITU*" substitute "*International Telecommunication Union (ITU)*";

(b) after entry 5E101, insert—

"[5E501] "Technology" as follows:

f. "Libraries" specially designed or modified to enable equipment to perform the functions of equipment specified in 5A001.h.

N.B.

For "libraries" specially designed or modified for military use, see the Military Goods Controls.".

(4) In the section headed 5A2 Systems, Equipment and Components—

(a) in the N.B. to entry 5A002, omit "*, and for related decryption "software" and "technology", see 7D005 and 7E001*";

(b) in Note 2 to entry 5A002.a.—

(i) in paragraph g., for "an RF" substitute "a Radio Frequency (RF)";

(ii) in paragraph i.2.a., for "CPU" substitute "Central Processing Unit (CPU)";

(c) after Note 1 to entry 5A004.b., for the Note substitute—

"*Note 2:*

5A004.b. does not include:

a. Debuggers, hypervisors;

b. Items limited to logical data extraction;

c. Data extraction items using chip-off or Joint Test Action Group (JTAG); or

d. Items specially designed and limited to jailbreaking or rooting.".

(5) In the section headed 5D2 Software, before the Note to entry 5D002.c.1., insert—

"*N.B.*

For decryption "software" relating to "satellite navigation system" receiving equipment, see 7D005.".

(6) In the section headed 5E2 Technology, in entry 5E002.a.—

(a) after "5D002.c." insert ";";

(b) before the Note, insert—

"*N.B.*

For decryption "technology" relating to "satellite navigation system" receiving equipment, see 7E001.".

Amendments to Category 6 - Sensors and Lasers

14.—(1) The section headed Category 6 - Sensors and Lasers is amended as follows.

(2) In the section headed 6A Systems, Equipment and Components—

(a) in entry 6A001—

(i) after entry 6A001.a.1.b., insert—

"*N.B.*

For acoustic seabed survey equipment, see 6A001.a.1.a.";

(ii) in entry 6A001.b., for "sea bed" substitute "seabed,";

(iii) in entry 6A001.b.1.a., for "sea bed" substitute "seabed";

(b) for the Note to entry 6A002.a.3.d., substitute—

"*Note:*

6A002.a.3.d. does not apply to "focal plane arrays" with 32 elements or fewer, where all the detector elements are made from germanium.";

(c) for the Technical Note to entry 6A002.a.3.d., substitute—

"*Technical Notes:*

For the purposes of 6A002.a.3.d.2.a.:

1. 'Scan direction' is defined as the axis perpendicular to the linear array of detector elements.

2. 'Cross-scan direction' is defined as the axis parallel to the linear array of detector elements.";

(d) for the Note to entry 6A002.d.3., substitute—

"*Note 1:*

6A002.d.3. does not apply to encapsulated optical sensing fibres specially designed for bore hold sensing applications.

Note 2:

6A002.d.3. does not apply to optical fibre Bragg gratings specially designed for thermal sensing, having a maximum sensing temperature less than 423 K (150°C) and a minimum sensing temperature greater than 173 K (-100°C).";

(e) in entry 6A002.f., for "'Read-out integrated circuits'", substitute "'Read-Out Integrated Circuits'";

(f) in the Note to entry 6A002.f., for "*'read-out integrated circuits'*" substitute "*'Read-Out Integrated Circuits' ('ROIC')*";

(g) in entry 6A003.b.4., after "Imaging cameras" insert ", not specified in 6A002.b.,";

(h) in Note 4 to entry 6A003.b.4, in paragraph b.2.b. for "*length overall*" substitute "*Length Overall*";

(i) in entry 6A004.a.1.b.1., for "a "CW laser"" substitute "a Continuous Wave "(CW) laser"";

(j) in Note 1 to entry 6A005, for "*continuous wave*" substitute "*Continuous Wave*";

(k) in entry 6A005.a., for "continuous wave" substitute "Continuous Wave";

(l) in entry 6A005.a.6.a.1., for "1 000 W" substitute "2 kW";

(m) after entry 6A005.a.6.a.2., insert—

"3. Having all of the following:

a. Output power exceeding 1.5 kW; and

b. Spectral bandwidth greater than or equal to 40 GHz and less than 100 GHz; or";

(n) for entry 6A005.a.6.b.1., substitute "Not used;";

(o) in Note 1 to entry 6A005.a.6.b., for "*2 kW*" substitute "*3 kW*";

(p) for Note 2 to entry 6A005.a.6.b., substitute—

"*Note 2:*

6A005.a.6.b. does not apply to 'multiple transverse mode', industrial "lasers" having any of the following:

a. Not used since 2018;

b. Not used;

c. Not used;

d. Not used;

e. Output power exceeding 3 kW but not exceeding 12 kW and having a Beam Parameter Product (BPP) exceeding 3.2 mm•mrad;

f. Not used;

g. Not used;

h. Output power exceeding 12 kW but not exceeding 20 kW and having a BPP exceeding 3,9 mm•mrad; or

i. Output power exceeding 20 kW but not exceeding 40 kW and having a BPP exceeding 5 mm•mrad.";

(q) after entry 6A005.c.3., insert—

"*Note:*

6A005.c.3. does not apply to "tunable" "lasers" having an average or CW output power exceeding 1 W and not exceeding 10 W, power consumption equal to or exceeding 250 W, and a total mass greater than 50 kg. For the purposes of this Note, total mass includes all components required to operate the "laser", e.g., "laser", power supply, heat exchanger, but excludes external optics for beam conditioning or delivery.";

(r) in entry 6A006.d., for "specified parameters of" substitute "parameters specified in";

(s) in the Note to entry 6A008, for "*ICAO*" substitute "*International Civil Aviation Organization (ICAO)*";

(t) for entry 6A008.d., substitute "Capable of operating in Synthetic Aperture Radar (SAR) mode, Inverse Synthetic Aperture Radar (ISAR) mode, or Sidelooking Airborne Radar (SLAR) mode;";

(u) in entry 6A107.a., for "mgal" substitute "mGal".

(3) In the section headed 6C Materials—

(a) for entry 6C002.a., for "of purity levels of 99.9995 % or more" substitute "having a purity equal to or greater (better) than 99.9995 %";

(b) for entry 6C004.a., for "chemical vapour deposition" substitute "Chemical Vapour Deposition (CVD)".

Amendments to Category 7 - Navigation and Avionics

15. In the section headed 7E Technology, in the Note to entry 7E004.b.5., for paragraph b. substitute "*"Technology" for "aircraft" flight instrument systems integrated solely for Very High Frequency Omni-directional Range (VOR), Distance Measuring Equipment (DME), Instrument Landing System (ILS) or Microwave Landing Systems (MLS) navigation or approaches*".

Amendments to Category 8 - Marine

16.—(1) The section headed Category 8 - Marine is amended as follows.

(2) In the section headed 8A Systems, Equipment and Components—

(a) in the Technical Notes to entry 8A001.b., in paragraph 1 for "*sea-bed*" substitute "*seabed*";

(b) for entry 8A002.d., substitute "Not used;";

(c) for entry 8A002.g., substitute "Not used;".

Amendments to Category 9 - Aerospace and Propulsion

17.—(1) The section headed Category 9 - Aerospace and Propulsion is amended as follows.

(2) In the section headed 9A Systems, Equipment and Components—

(a) in Note 1 to entry 9A001.a, in paragraph b.2.—

(i) for "*recognized*" substitute "*recognised*";

(ii) for "*Organisation*" substitute "*Organization*";

(b) in entry 9A010.a.2.a., after "1C007" insert "or 1C507";

(c) in entry 9A010.a.3., after "1C007" insert "or 1C507";

(d) in entry 9A010.b.2.a., after "1C007" insert "or 1C507";

(e) in entry 9A010.b.3., after "1C007" insert "or 1C507";

(f) for paragraph 1 of the Technical Notes to entry 9A012.a., substitute "1. *'Operator' is a person who initiates or commands the "UAV" or unmanned "airship" flight.*";

(g) for paragraph 2 of the Technical Notes to entry 9A012.a., substitute "2. *'Endurance' is to be calculated for International Standard Atmosphere (ISA) conditions (ISO 2533:1975) at sea level in zero wind.*";

(h) in entry 9A118, for ""Unmanned Aerial Vehicles ("UAVs")" substitute ""Unmanned Aerial Vehicles ("UAVs")"".

(3) In the section headed 9B Test, Inspection and Production Equipment—

(a) in entry 9B001.a., for "Directional solidification or single crystal" substitute "Directional-solidification or single-crystal";

(b) in entry 9B009.a., for "Ultimate Tensile Strength (UTS)" substitute "ultimate tensile strength".

(4) In the section headed 9D Software—

(a) in entry 9D003, for ""FADEC Systems"" substitute "Full Authority Digital Engine Control "(FADEC) Systems"";

(b) in entry 9D004.f., for "vans" substitute "vanes".

(5) In the section headed 9E Technology—

(a) in entry 9E003.a.1., for "directionally solidified (DS) or single crystal (SC)" substitute "directionally-solidified or single-crystal";

(b) in entry 9E003.a.3.b.1.a., after "1C007" insert "or 1C507";

(c) in entry 9E003.a.3.b.2., after "1C007" insert "or 1C507";

(d) in entry 9E003.f.1., after "1C007" insert "or 1C507";

(e) in entry 9E003.h., for ""FADEC Systems"" substitute "Full Authority Digital Engine Control "(FADEC) Systems"";

(f) after entry 9E102, including the Technical Note, insert—

"[9E503] l. "Technology" "required" for the "development" of a gas turbine engine axial compressor having all of the following:

1. Having any of the following:

a. Specially designed for 'multiple stream fan systems'; or

b. Having any of the following:

1. Feedback control of compressor blade tip clearance;

2. Feedback management for the purpose of compressor aerofoil flutter avoidance;

3. Cooled gas path or cooled rotating compressor components;

4. 'Tandem or splittered rotating aerofoils'; or

5. 'Casings having non-axisymmetric geometry' at the blade tip interface; and

2. Having all of the following calculated parameters:

a. Average 'alternate stage loading' greater than or equal to 0,22;

b. A sum of the 'alternate stage loading' multiplied by 41,6 and the 'polytropic efficiency' greater than or equal to 102;

c. 'Stability margin' greater than or equal to 20%; and

d. Average stage pressure ratio greater than 1,2.

Technical Notes:

1. For the purposes of 9E503.l.1.a., 'multiple stream fan systems' allow the movement of airflow between at least two bypass flows to control fan pressure ratio or bypass ratio (by means other than use of fan corrected speed or the primary nozzle area to change the fan pressure ratio or bypass ratio).

2. For the purposes of 9E503.l.1.b.3., cooled gas path components do not include compressor components indirectly cooled by leakage flows, flows for bearing load management or anti-icing flows.

3. For the purposes of 9E503.l.1.b.4., 'tandem or splittered rotating aerofoils' consist of two or more rotating blade rows in the axial direction without an intervening stator. Aerofoils are considered splittered when the leading-edge plane of each row is offset axially by 25% or more of the axial chord length of the first row.

4. For the purposes of 9E503.l.1.b.5., 'casings having non-axisymmetric geometry' contain features that are non-uniformly spaced or inconsistently shaped or inconsistently oriented in the circumferential direction at the blade tip, e.g., variable spacing of slots parallel to the engine shaft. 'Casings having non-axisymmetric geometry' do not include features designed for assembly or mechanical designs that result in circumferentially uniform geometry during engine operation.

5. For the purposes of 9E503.l.2, the calculated parameters are as follows:

a. Start at the engine inlet and are performed at sea level static conditions using ICAO standard atmosphere, zero aircraft bleed (e.g., no stability, start, anti-ice or customer bleeds), and at the "steady state mode" 'Aerodynamic Design Point' ('ADP'). Compressor bleeds and "steady state mode" shaft power offtake for normal engine operation at the specified point, e.g., turbine cooling, are included.

b. Stages that provide fan bypass flow on a continuous basis are not to be included in the calculations.

c. Values are calculated for each rotor stage individually, then averaged over all compression stages operating at the same shaft speed (i.e., average of all low-, intermediate-, or high-pressure compressor stages, or all compression stages for a single spool engine).

d. 'Alternate stage loading' is defined as the average isentropic work divided by the square of the mechanical tip speed of the rotor and then multiplied by the ratio of standard day temperature divided by the spool inlet total temperature.

$$Lp'_{alt} = \frac{T_{STD}}{T_{0spool}} \frac{1}{N} \sum_{i=1}^{N} \frac{c_{p_i} T_{0i} (\pi_i^{(\gamma_i - 1)/\gamma_i} - 1)}{U_i^2}$$

where—

T_{STD} - Standard day temperature at ICAO standard atmosphere (K)
T_{0spool} – Spool entrance inlet temperature (K)
N - Number of stages
T_0 - Stage inlet total temperature (K)
c_p – Specific heat capacity (J kg^{-1} K^{-1} or m^2 s^{-2} K^{-1}) as a function of temperature
γ – Ratio of specific heats as a function of temperature
U – Mechanical tip speed of the rotor leading edge (m/s)
π – Stage total-to-total pressure ratio
The individual stage loading should be computed stage-by-stage and then the average of all stages should be assessed as the loading parameter.

e. 'Polytropic efficiency' is defined as the overall compression divided into an infinite number of small steps with the same isentropic efficiency, expressed as a percentage.

f. 'Stability margin' is the difference between the design operating line and the calculated compressor surge point at constant inlet corrected mass flow, expressed as a percent of the operating line.

6. For the purposes of Technical Note 5.a., 'ADP' refers to the corrected conditions (flow rate, pressure ratio, and speed) for the compressor flow path design (e.g. optimum efficiency or optimum incidence point). The 'ADP' may be consistent with

an aero gas turbine engine 'ADP' or a specific condition along an operating line such as top of climb, cruise, or takeoff.".

Amendments to Annexes IIa, IIe, IIf and IIg to the Dual-Use Regulation

18.—(1) Omit Annex IIa (Assimilated General Export Authorisation No 001) to the Dual-Use Regulation(**a**).

(2) In Part 3 of Annex IIe (Assimilated General Export Authorisation No 005) to the Dual-Use Regulation, in paragraph 1(3), for "in Part 2 of Annex IIa" substitute "Canada, the Commonwealth of Australia, Japan, the Kingdom of Norway, New Zealand, the Swiss Confederation including the Principality of Liechtenstein or the United States of America".

(3) In Part 3 of Annex IIf (Assimilated General Export Authorisation No 006) to the Dual-Use Regulation, in paragraph 1(3), for "in Part 2 of Annex IIa" substitute "Canada, the Commonwealth of Australia, Japan, the Kingdom of Norway, New Zealand, the Swiss Confederation including the Principality of Liechtenstein or the United States of America";

(4) In Annex IIg (List referred to in Article 9(4)(a) of this Regulation and Annexes IIa, IIc and IId to this Regulation)—

(a) in entry 0D001 for "' … '" substitute "' use '";

(b) in entry 0E001 for "' … '" substitute "' use '".

Transitional Provision

19.—(1) In this regulation—

"Assimilated General Export Authorisation No 001" means the assimilated general export authorisation(**b**) established under Article 9(1)(**c**) of, and Annex IIa to the Dual-Use Regulation immediately before the date of coming into force of these Regulations;

"registered exporter" means an exporter which immediately before the date of coming into force of these Regulations is registered with the Secretary of State to use as authorisation for the export of dual-use items the Assimilated General Export Authorisation No 001(**d**);

"transitional period" means the period commencing with the date of coming into force of these Regulations and ending with 1st April 2027.

(2) The amendments made in regulation 18 do not apply to the Secretary of State or a registered exporter during the transitional period.

(**a**) EUR 2009/428. Annex IIa was substituted by Commission Delegated Regulation (EU) 2020/1749 of 7 October 2020 amending Council Regulation (EC) No 428/2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items; relevant amending instruments to Annex IIa are S.I. 2019/771 (as amended by S.I. 2020/1502) and 2025/82. There are other amending instruments, but none is relevant.

(**b**) "Assimilated general export authorisation" has the meaning given to those words in Article 2(9) of Regulation (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items (Recast). Article 2(9) was substituted by Regulation (EU) No 1232/2011 of the European Parliament and of the Council of 16 November 2011 amending Council Regulation (EC) No 428/2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items and was amended by S.I. 2025/82.

(**c**) EUR 2009/428. Article 9(1) was substituted by Regulation (EU) No 1232/2011 of the European Parliament and of the Council of 16 November 2011 amending Council Regulation (EC) No 428/2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items and was amended by Regulation (EU) No 599/2014 of the European Parliament and of the Council of 16 April 2014 amending Council Regulation (EC) No 428/2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items, S.I. 2019/771 (as amended by S.I. 2020/1502) and S.I. 2025/82.

(**d**) The terms "dual-use items", "export" and "exporter" have the meaning given in Article 2 of Council Regulation (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items (Recast). Article 2(2) was substituted and Article 2(3) was amended by S.I. 2019/771 (as amended by S.I. 2020/1502).

Sarwar
Minister of State
29th October 2026 Department for Business, Innovation, Science and Trade

EXPLANATORY NOTE

(This note is not part of the Regulations)

These Regulations amend the Export Control Order 2008 (S.I. 2008/3231) ("the 2008 Order") and assimilated Council Regulation (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items (Recast) (EUR 2009/428) ("the assimilated Dual-Use Regulation").

Part 2 of these Regulations amends the 2008 Order. Regulation 3 amends the control lists set out in Schedule 2 to the 2008 Order, to reflect updates to controls on the exports of conventional weapons agreed through the multilateral export control regime known as the Wassenaar Arrangement. Regulation 4 amends the countries and destinations subject to stricter export or trade controls in Schedule 4 of the 2008 Order. This is to reflect changes in the UK's sanctions framework and to ensure that the placement of countries and destinations reflect the level and scope of arms embargoes. Regulation 4 moves Haiti from Part 3 of Schedule 4, which lists countries that are subject to transit control for military goods, to Part 2 of Schedule 4, which lists countries that are embargoed and subject to transit control for military goods. It also moves the Central African Republic from Part 2 of Schedule 4 to Part 3 of Schedule 4.

Part 3 of these Regulations amends the assimilated Dual-Use Regulation. Regulations 7 to 17 amend Annex I, which lists dual-use goods, software and technology subject to export controls. The changes reflect amendments to the Wassenaar Arrangement dual-use list, changes to the control lists administered by other multilateral export control regimes of which the UK is a member, including the Australia Group, and changes in line with the UK's commitments to like-minded international partners. Regulation 18 omits Annex IIa, which is a general export authorisation authorising the export of certain dual-use items to certain destinations for exporters registered with the Secretary of State. Regulation 19 makes transitional provision for exporters registered on the date of coming into force of these Regulations to use that general export authorisation for a transitional period, ending on 1 April 2027.

A full impact assessment has not been produced for this instrument as no, or no significant impact on the private, voluntary or public sectors is foreseen.

© Crown Copyright 2026

Printed and published in the UK by The Stationery Office Limited under the authority and superintendence of Saul Nassé, Controller of His Majesty's Stationery Office and King's Printer of Acts of Parliament.

ISBN 978-0-34-828851-3

£8.90

http://www.legislation.gov.uk/id/uksi/2026/1150

9 780348 288513