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LEGISLATIVE ACTS AND OTHER INSTRUMENTS

Subject: COUNCIL REGULATION amending Regulation (EU) 2023/1529 concerning restrictive measures in view of Iran's military support to Russia's war of aggression against Ukraine and to armed groups and entities in the Middle East and the Red Sea region

ANNEX

Annex II to Regulation (EU) 2023/1529 is replaced by the following:

‘ANNEX II

List of items referred to in Article 2

INTRODUCTORY NOTES

1. Where “ex” precedes the HS/CN code, the goods covered by Regulation (EU) 2023/1529 constitute only a part of the scope of the HS/CN code and are determined by both the description given in this Annex and the scope of the HS/CN code.
2. Definitions of terms between ‘single quotation marks’ are given in a technical note to the relevant item.
3. Definitions of terms between “double quotation marks” can be found in Annex I to Regulation (EU) 2021/821.

Category 1 – Special materials and related equipment

Description	HS/CN code
Energetic materials as follows and mixtures thereof:	
Ammonium picrate (CAS 131-74-8);	ex 2908 99 00
Black powder;	ex 3601 00 00
Hexanitrodiphenylamine (CAS 131-73-7);	ex 2921 44 00
Difluoroamine (CAS 10405-27-3);	ex 2812 90 00
Nitrostarch (CAS 9056-38-6);	ex 3505 10 50
Tetranitronaphthalene;	ex 2902 90 00
Trinitroanisol;	ex 2909 30 90
Trinitronaphthalene;	ex 2902 90 00
Trinitroxylene;	ex 2902 41 00
	ex 2902 42 00
	ex 2902 43 00
	ex 2902 44 00
N-methyl-2-pyrrolidinone; 1-methyl-2-pyrrolidinone (CAS 872-50-4);	ex 2939 79 90
Dioctylmaleate (CAS 142-16-5);	ex 2917 19 80
Ethylhexylacrylate (CAS 103-11-7);	ex 2916 12 00
Triethylaluminium (TEA) (CAS 97-93-8), trimethylaluminium (TMA) (CAS 75-24-1), and other pyrophoric metal alkyls and aryls of lithium, sodium, magnesium, zinc or boron;	ex 2931 90 00
Nitrocellulose (CAS 9004-70-0);	3912 20
Nitroglycerin (or glyceroltrinitrate, trinitroglycerine) (NG) (CAS 55-63-0);	ex 2920 90 70
2,4,6-trinitrotoluene (TNT) (CAS 118-96-7);	ex 2904 20 00
Ethylenediaminedinitrate (EDDN) (CAS 20829-66-7);	ex 2920 90 70

Description	HS/CN code
Pentaerythritoltetranitrate (PETN) (CAS 78-11-5);	ex 2920 90 70
Lead azide (CAS 13424-46-9), normal lead styphnate (CAS 15245-44-0) and basic lead styphnate (CAS 12403-82-6), and primary explosives or priming compositions containing azides or azide complexes;	ex 2850 00 60 ex 2908 99 00
Diethyldiphenylurea (CAS 85-98-3); dimethyldiphenylurea (CAS 611-92-7); methylethyldiphenyl urea	ex 2924 21 00
N,N-diphenylurea (unsymmetrical diphenylurea) (CAS 603-54-3);	ex 2924 21 00
Methyl-N,N-diphenylurea (methyl unsymmetrical diphenylurea) (CAS 13114-72-2);	ex 2924 21 00
Ethyl-N,N-diphenylurea (ethyl unsymmetrical diphenylurea) (CAS 64544-71-4);	ex 2924 21 00
4-Nitrodiphenylamine (4-NDPA)(CAS 836-30-6);	ex 2921 44 00
2,2-dinitropropanol (CAS 918-52-5);	ex 2905 59 98
Fibrous and filamentary materials, not controlled by 1C010 ¹ or 1C210 ² , for use in “composite” structures and with a specific modulus of $3,18 \times 10^6$ m or greater and a specific tensile strength of $7,62 \times 10^4$ m or greater	ex 5402 11 ex 5501 11 ex 5503 11 ex 6815 11 ex 6815 12 ex 6815 19 ex 7019 19 10

¹ Ref. Annex I to Regulation (EU) 2021/821

² Ref. Annex I to Regulation (EU) 2021/821

Description	HS/CN code
Nanomaterials as follows:	ex 2805 30
a. Semiconductor nanomaterials;	ex 2846 10
b. Composite-based nanomaterials; or	ex 2846 90
c. Any of the following carbon-based nanomaterials:	ex 5402 11
1. Carbon nanotubes;	ex 5501 11
2. Carbon nanofibres;	ex 5503 11
3. Fullerenes;	ex 6815 11
4. Graphenes; or	ex 6815 12
5. Carbon onions.	ex 6815 13
<i>Notes: For the purpose of this control, nanomaterial means a material that meets at least one of the following criteria:</i>	ex 6815 19
1. Consists of particles, with one or more external dimensions in the size range 1 - 100 nm for more than 1 % of their number size distribution;	ex 7019 12
2. Has internal or surface structures in one or more dimensions in the size range 1 - 100 nm; or	ex 7019 19
3. Has a specific surface area by volume greater than 60 m ² /cm ³ , excluding materials consisting of particles with a size lower than 1 nm	
Tungsten, tungsten carbide and alloys, not controlled by 1C117 ³ , 1C226 ⁴ , II.A1.013 ⁵ or II.A1.017 ⁶ , containing more than 90 % tungsten by weight.	2849 90 30
<i>Note 1: For the purpose of this control, wire is excluded</i>	ex 8101 10
<i>Note 2: For the purpose of this control, surgical or medical instruments are excluded</i>	ex 8101 94
	ex 8101 97
	ex 8101 99

³ Ref. Annex I to Regulation (EU) 2021/821

⁴ Ref. Annex I to Regulation (EU) 2021/821

⁵ Ref. Annex II to Regulation (EU) No 267/2012

⁶ Ref. Annex II to Regulation (EU) No 267/2012

Description	HS/CN code
Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 ⁷ or 1C210 ⁸ , presented in any of the following forms:	ex 3901 20 10
a. Primary forms;	ex 3901 20 90
b. Filament yarn or monofilaments;	ex 5402 39
c. Filament tows;	ex 5402 49
d. Rovings;	ex 5402 59
e. Staple or chopped fibres;	ex 5402 69
f. Fabrics;	ex 5404 90 90
g. Pulp or flocks.	ex 5407 20 11
	ex 5407 20 19
	ex 5501 90
	ex 5503 90
	ex 5506 90
	ex 5601 30

⁷ Ref. Annex I to Regulation (EU) 2021/821

⁸ Ref. Annex I to Regulation (EU) 2021/821

Category 2 – Materials processing

Description	HS/CN code
Bearings and bearing systems not controlled by 2A001 and 2A101:	ex 8482 10
a. Ball bearings or Solid ball bearings, having tolerances specified by the manufacturer in accordance with ABEC 7, ABEC 7P, or ABEC 7T or ISO Standard Class 4 or better (or equivalents) and having any of the following characteristics;	ex 8482 20
1. Manufactured for use at operating temperatures above 573 K (300 °C) either by using special materials or by special heat treatment; or	ex 8482 30
2. With lubricating elements or component modifications that, according to the manufacturer's specifications, are specially designed to enable the bearings to operate at speeds exceeding 2,3 million 'DN';	ex 8482 40
1. Manufactured for use at operating temperatures above 573 K (300 °C) either by using special materials or by special heat treatment; or	ex 8482 50
2. With lubricating elements or component modifications that, according to the manufacturer's specifications, are specially designed to enable the bearings to operate at speeds exceeding 2,3 million 'DN';	ex 8482 80
2. With lubricating elements or component modifications that, according to the manufacturer's specifications, are specially designed to enable the bearings to operate at speeds exceeding 2,3 million 'DN';	ex 8482 91
b. Solid tapered roller bearings, having tolerances specified by the manufacturer in accordance with ANSI/ABMA Class 00 (inch) or Class A (metric) or better (or equivalents) and having either of the following characteristics:	
1. With lubricating elements or component modifications that, according to the manufacturer's specifications, are specially designed to enable the bearings to operate at speeds exceeding 2,3 million 'DN'; or	
2. Manufactured for use at operating temperatures below 219 K (– 54 °C) or above 423 K (150 °C);	
c. Gas-lubricated foil bearing manufactured for use at operating temperatures of 561 K (288 °C) or higher and a unit load capacity exceeding 1 MPa;	
d. Active magnetic bearing systems;	
e. Fabric-lined self-aligning or fabric-lined journal sliding bearings manufactured for use at operating temperatures below 219 K (– 54 °C) or above 423 K (150 °C).	

Description	HS/CN code
<p><u>Technical Notes:</u></p> <ol style="list-style-type: none"> 1. 'DN' is the product of the bearing bore diameter in mm and the bearing rotational velocity in rpm. 2. Operating temperatures include those temperatures obtained when a gas turbine engine has stopped after operation. 	
<p>Concealed object detection equipment operating in the frequency range from 30 GHz to 3 000 GHz and having a spatial resolution of 0,1 mrad (milliradian) up to and including 1 mrad (milliradian) at a standoff distance of 100 m; and components, other than those specified in the CML or in Regulation (EU) 2021/821.</p> <p><u>Note:</u> Concealed object detection equipment includes but is not limited to equipment for screening people, documents, baggage, other personal effects, cargo and/or mail.</p> <p><u>Technical Note:</u></p> <p>The range of frequencies span what is generally considered as the millimetre-wave, submillimetre-wave and terahertz frequency regions.</p>	<p>ex 8526 10</p> <p>ex 8526 92</p> <p>ex 8482 10 90</p>

Description	HS/CN code
<p>“Numerical control” units for machine tools and “numerically controlled” machine tools, other than those specified in the CML or in Regulation (EU) 2021/821 (see List of Items Controlled):</p>	<p>ex 8537 10 10 ex 8537 10 98</p>
<p>a. “Numerical control” units for machine tools:</p>	<p>ex 8456 30</p>
<p>1. Having four interpolating axes that can be coordinated simultaneously for contouring control; or</p>	<p>ex 8457 10 ex 8457 20</p>
<p>2. Having two or more axes that can be coordinated simultaneously for contouring control and a minimum programmable increment better (less) than 0,001 mm;</p>	<p>ex 8457 30 ex 8458 11 ex 8458 91</p>
<p>3. “Numerical control” units for machine tools having two, three or four interpolating axes that can be coordinated simultaneously for contouring control, and capable of receiving directly (on-line) and processing computer-aided-design (CAD) data for internal preparation of machine instructions; or</p>	<p>ex 8459 10 ex 8459 31 ex 8459 51</p>
<p>b. Motion control boards specially designed for machine tools and having any of the following characteristics:</p>	<p>ex 8459 61 ex 8460 12</p>
<p>1. Interpolation in more than four axes;</p>	<p>ex 8460 22</p>
<p>2. Capable of real-time processing of data to modify tool path, feed rate and spindle data, during the machining operation, by any of the following:</p>	<p>ex 8460 23 ex 8460 24</p>
<p>a. Automatic calculation and modification of part program data for machining in two or more axes by means of measuring cycles and access to source data; or</p>	
<p>b. Adaptive control with more than one physical variable measured and processed by means of a computing model (strategy) to change one or more machining instructions to optimize the process; or</p>	
<p>3. Capable of receiving and processing CAD data for internal preparation of machine instructions;</p>	

Description	HS/CN code
<p>c. “Numerically controlled” machine tools that, according to the manufacturer’s technical specifications, can be equipped with electronic devices for simultaneous contouring control in two or more axes and that have both of the following characteristics:</p> <ol style="list-style-type: none"> 1. Two or more axes that can be coordinated simultaneously for contouring control; and 2. Positioning accuracies according to ISO 230/2 (2006), with all compensations available: <ol style="list-style-type: none"> a. Better than 15 µm along any linear axis (overall positioning) for grinding machines; b. Better than 15 µm along any linear axis (overall positioning) for milling machines; or c. Better than 15 µm along any linear axis (overall positioning) for turning machines; or <p>d. Machine tools, as follows, for removing or cutting metals, ceramics or “composites”, that, according to the manufacturer’s technical specifications, can be equipped with electronic devices for simultaneous contouring control in two or more axes:</p> <ol style="list-style-type: none"> 1. Machine tools for turning, grinding, milling or any combination thereof, having two or more axes that can be coordinated simultaneously for contouring control and having any of the following characteristics: <ol style="list-style-type: none"> a. One or more contouring “tilting spindles”; <p><i>Note: this applies to machine tools for grinding or milling only.</i></p> b. “Camming” (axial displacement) in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR); <p><i>Note: this applies to machine tools for turning only.</i></p>	

Description	HS/CN code
<ul style="list-style-type: none"> c. “Run-out” (out-of-true running) in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR); or d. The positioning accuracies, with all compensations available, are less (better) than: 0,001° on any rotary axis; <p>2. Electrical discharge machines (EDM) of the wire feed type that have five or more axes that can be coordinated simultaneously for contouring control.</p>	
<p>Assemblies, circuit boards or inserts specially designed for machine tools controlled in this annex:</p> <ul style="list-style-type: none"> a. Spindle assemblies, consisting of spindles and bearings as a minimal assembly, with radial (“run-out”) or axial (“camming”) axis motion in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR); b. Single point diamond cutting tool inserts, having all of the following characteristics: <ul style="list-style-type: none"> 1. Flawless and chip-free cutting edge when magnified 400 times in any direction; 2. Cutting radius from 0,1 to 5 mm inclusive; and 3. Cutting radius out-of-roundness less (better) than 0,002 mm TIR. c. Specially designed printed circuit boards with mounted components capable of upgrading, according to the manufacturer’s specifications, “numerical control” units, machine tools or feed-back devices to or above the levels specified in this Annex. <p><i>Technical Note:</i></p> <p><i>This entry does not control measuring interferometer systems, without closed or open loop feedback, containing a laser to measure slide movement errors of machine-tools, dimensional inspection machines or similar equipment.</i></p>	<p>ex 8207 19</p> <p>ex 8207 20</p> <p>ex 8207 50</p> <p>ex 8207 60</p> <p>ex 8207 90</p> <p>ex 8466 10</p> <p>ex 8466 20 20</p> <p>ex 8466 20 91</p> <p>ex 8466 20 98</p> <p>ex 8466 30</p> <p>ex 8466 93</p> <p>ex 8466 93</p>
<p>“Software” specially designed for the “development”, “production”, or “use” of the machine tools controlled in this Annex</p>	

Description	HS/CN code
“Numerical controlled” machine tools, having one or more linear axis with a travel length greater than 8 000 mm.	ex 8456 ex 8457 ex 8458 ex 8459 ex 8460

Category 3 – Electronics

Description	HS/CN code
Integrated circuits as follows: Field Programable Gate Array (FPGA), microcontrollers, microprocessors, signal processors, signal analysers, Analogue-to-Digital Converters (ADC), voltage regulators, video encoders and DC-DC converters	ex 8542 31 ex 8542 39
“Monolithic Microwave Integrated Circuits” (“MMIC”) amplifiers and devices	ex 8542 33 8543 70 02
RF filters or Electromagnetic Interference (EMI) filters	ex 8548 00
Tantalum capacitors	8532 21
Aluminium electrolytic capacitors	8532 22
Ceramic dielectric multilayer capacitors	8532 24
Storage integrated circuits, as follows: <ul style="list-style-type: none"> a. Electrically erasable programmable read-only memories (EEPROMs) with a storage capacity; <ul style="list-style-type: none"> 1. Exceeding 16 Mbits per package for flash memory types; or 2. Exceeding either of the following limits for all other EEPROM types: <ul style="list-style-type: none"> a. Exceeding 1 Mbit per package; or b. Exceeding 256 kbit per package and a maximum access time of less than 80 ns; 	ex 8542 32

Description	HS/CN code
b. Static random access memories (SRAMs) with a storage capacity: <ol style="list-style-type: none"> 1. Exceeding 1 Mbit per package; or 2. Exceeding 256 kbit per package and a maximum access time of less than 25 ns 	
Mounted piezo-electric crystals	8541 60
‘Semiconductor devices’ fulfilling the military standard MIL-STD-750D or other equivalent standard. <i>Technical note: For the purpose of this control ‘semiconductor devices’ are electronic components that rely on the electronic properties of a semiconductor material, such as diodes, transducers, photosensitive devices, thyristors, diacs, triacs or transistors, including metal–oxide–semiconductor field-effect transistors (MOSFETs), FETs, FINFETs, IGBT, etc.</i>	ex 8541 10 ex 8541 21 ex 8541 29 ex 8541 30 ex 8541 49 ex 8541 51 ex 8541 59
Electrical plugs, connectors, jacks, jumpers, terminals, sockets or adapters, having any of the following: <ol style="list-style-type: none"> a. Rated for operation at an ambient temperature above 398K (125 °C); b. Rated for operation at an ambient temperature below 218K (– 55 °C); or c. Rated for operation over the entire ambient temperature range from 218K (– 55 °C) to 398K (125 °C). 	ex 8536 69 ex 8536 90
Static converters	8504 40
Machines and apparatus for the manufacture of boules or wafers	8486 10
Machines and apparatus for the manufacture of semiconductor devices or of electronic integrated circuits	8486 20

Description	HS/CN code
Equipment for the manufacture of Printed Circuit Boards (PCBs) and specially designed components and accessories therefor, as follows:	ex 8424 89 40
a. Film processing equipment;	ex 8479 89 70
b. Solder mask coating equipment;	ex 8543 30 40
c. Photo plotter equipment;	ex 8486 40
d. Plating or electroplating deposition equipment;	ex 8420 10 81
e. Vacuum chambers and presses;	ex 8479 90 15
f. Roll laminators;	
g. Alignment equipment; or	
h. Etching equipment.	
Automated optical inspection equipment for testing Printed Circuit Boards (PCBs), based on optical or electrical sensors, and capable to detect any of the following quality defects:	ex 9030 31
a. Spacing, area, volume or height;	ex 9030 32
b. Bill boarding;	ex 9030 33 20
c. Components (presence, absence, flipped, offset, polarity, or skew);	ex 9030 33 70
d. Solder (bridging, insufficient solder joints);	ex 9030 39 00
e. Leads (insufficient paste, lifting);	ex 9030 84
f. Tombstoning; or	ex 9030 89
g. Electrical (shorts, opens, resistance, capacitance, power, grid performance).	ex 9031 49 10
	ex 9031 49 90
	ex 9031 80 20
	ex 9031 80 80
Oscilloscopes and oscillographs	9030 20
Instruments and apparatus for measuring or checking semiconductor wafers or devices	9030 82
Signal generators	8543 20

Description	HS/CN code
Chemicals and materials of the type used in the production of Printed Circuit Boards (PCBs), as follows:	ex 3921 90 55
	ex 8534 00
a. PCB “composite” substrates made of glass fibre or cotton (e.g. FR-4, FR-2, FR 6, CEM-1, G-10, etc.);	ex 2827 39 20
b. Multilayer PCB substrates, containing at least one layer of any of the following materials:	ex 2827 39 85
1. Aluminium;	ex 2833 40
2. Polytetrafluoroethylene (PTFE); or	ex 3824 99 96
3. Ceramic materials (e.g. alumina, titanium oxide, etc.);	ex 7410 11
c. Etchant chemicals;	ex 7410 21
1. Ferric chloride (7705-08-0);	ex 3919 10 80
2. Cupric chloride (7447-39-4);	ex 3919 90 80
3. Ammonium persulphate (7727-54-0);	
4. Sodium persulphate (7775-27-1); or	
5. Chemical preparations specially designed for etching and containing any of the chemicals included in points 1 to 4.	
<i>Note: This control does not control ‘chemical mixtures’ containing one or more of the chemicals specified in this entry in which no individually specified chemical constitutes more than 10 % by the weight of the mixture.</i>	
d. Copper foil with a minimum purity 95 % and of a thickness less than 100 µm;	
e. Polymeric substances and films thereof of less than 0,5 mm of thickness, as follows:	
1. Aromatic polyimides;	
2. Parylenes;	
3. Benzocyclobutenes (BCBs); or	
4. Polybenzoxazoles.	

Description	HS/CN code
“Software” specially designed for the test, “development” or “production” of Printed Circuit Boards (PCBs).	N/A
Radio frequency systems and equipment not included in Regulation (EU) 2021/821, components and accessories, specially designed or modified to develop any of the following functions:	ex 8517 62 ex 8517 71 ex 8517 79 ex 8525 50 ex 8526 92 ex 8529 10 ex 8543 70 90
a. Take control and command of UAVs.	
b. Deliberately and selectively interfere with, deny, inhibit, degrade or deceive radio frequency signals for the control and command of unmanned aircraft.	
c. Use the specific features of the radio frequency protocol used by drones to interfere with their operation.	

Category 4 – Computers

Description	HS/CN code
Electronic computers and related equipment, and “electronic assemblies” and specially designed components therefor, rated for operation at an ambient temperature above 343 K (70 °C)	ex 8471
“Digital computers”, including equipment of “signal processing” or “image enhancement”, having an “Adjusted Peak Performance” (“APP”) equal to or greater than 0,0128 Weighted TeraFLOPS (WT)	ex 8471
Hybrid computers and “electronic assemblies” and specially designed components therefor containing analogue-to-digital converters having all of the following characteristics:	ex 8471
a. 32 channels or more; and	
b. A resolution of 14 bit (plus sign bit) or more with a conversion rate of 200 000 Hz or more	

Category 5 – Telecommunications and information security

Description	HS/CN code
Telecommunications apparatus, devices or machines, for “aircraft”	ex 8517 62 ex 8517 69

Category 6 – Sensors and lasers

Description	HS/CN code
Cameras for aerial survey	ex 9006 30
Optical Sensors as follows:	ex 8529 90
a. Image intensifier tubes and specially designed components therefor, as follows:	ex 8542 39
1. Image intensifier tubes having all the following:	ex 9006 91
a. A peak response in wavelength range exceeding 400 nm, but not exceeding 1 050 nm;	ex 9013 80
b. A microchannel plate for electron image amplification with a hole pitch (centre-to-centre spacing) of less than 25 µm; and	ex 9025 80
c. Having any of the following:	ex 9025 90
1. An S-20, S-25 or multialkali photocathode; or	ex 9026 80
2. A GaAs or GaInAs photocathode;	ex 9026 90
2. Specially designed microchannel plates having both of the following characteristics:	ex 9027 50
a. 15 000 or more hollow tubes per plate; and	ex 9032 10
b. Hole pitch (centre-to-centre spacing) of less than 25 µm	
b. Direct view imaging equipment operating in the visible or infrared spectrum, incorporating image intensifier tubes having the characteristics of the image intensifier tube included in this control.	
Telescopic sights for fitting to arms; periscopes; telescopes designed to form parts of machines, appliances, instruments or apparatus of this chapter or Section XVI	9013 10

Description	HS/CN code
Night vision cameras	8525 83
Cameras that meet the criteria of Note 3 to 6A003.b.4 ⁹	ex 8525 89 ex 9006 30
Airborne laser rangefinders	ex 9013 20 00 ex 9013 80 00 ex 9013 90 80 ex 9015 10 ex 9015 80 ex 9015 90 ex 9031 80 20 ex 9031 80 80 ex 9031 90 00 ex 9033 00 90
‘Primary cells’ or batteries and components having an energy density of 150 Wh/kg or more at 293 K (20 °C) <i>Technical Notes:</i> 1. For the purposes of this control, ‘energy density’ (Wh/kg) is calculated from the nominal voltage multiplied by the nominal capacity in ampere-hours (Ah) divided by the mass in kilograms. If the nominal capacity is not stated, energy density is calculated from the nominal voltage squared then multiplied by the discharge duration in hours divided by the discharge load in ohms and the mass in kilograms. 2. For the purposes of this control, a ‘cell’ is defined as an electrochemical device, which has positive and negative electrodes, an electrolyte, and is a source of electrical energy. It is the basic building block of a battery. 3. For the purposes of this control, a ‘primary cell’ is a ‘cell’ that is not designed to be charged by any other source.	ex 8506

⁹ Ref. Annex I to Regulation (EU) 2021/821

Description	HS/CN code
<p>Radar systems, equipment and major components, other than those specified in the CML or in Regulation (EU) 2021/821, and specially designed components therefor, as follows:</p> <ol style="list-style-type: none"> a. Airborne radar equipment, other than those specified in the CML or in Regulation (EU) 2021/821, and specially designed components therefor; b. “Space-qualified” “laser” radar or Light Detection and Ranging (LIDAR) equipment specially designed for surveying or for meteorological observation; c. Millimeter wave enhanced vision radar imaging systems specially designed for rotary wing aircraft and having all of the following: <ol style="list-style-type: none"> 1. Operates at a frequency of 94 GHz; 2. An average output power of less than 20 mW; 3. Radar beam width of 1 degree; and 4. Operating range equal to or greater than 1 500 m 	<p>ex 8526 10 ex 8529 90 ex 9015 10 ex 90</p>
<p>“Magnetometers”, “Superconductive” electromagnetic sensors, and specially designed components therefor, as follows:</p> <ol style="list-style-type: none"> a. “Magnetometers”, other than those specified in the CML or in Regulation (EU) 2021/821, having a ‘sensitivity’ lower (better) than 1,0 nT (rms) per square root Hz <i>Technical Note: For the purposes of this control, ‘sensitivity’ (noise level) is the root mean square of the device-limited noise floor which is the lowest signal that can be measured.</i> b. “Superconductive” electromagnetic sensors, components manufactured from “superconductive” materials: <ol style="list-style-type: none"> 1. Designed for operation at temperatures below the “critical temperature” of at least one of their “superconductive” constituents (including Josephson effect devices or “superconductive” quantum interference devices (SQUIDS)); 2. Designed for sensing electromagnetic field variations at frequencies of 1 kHz or less; and 	<p>ex 9015 80 ex 9031 80</p>

Description	HS/CN code
<p>3. Having any of the following characteristics:</p> <ul style="list-style-type: none"> a. Incorporating thin-film SQUIDS with a minimum feature size of less than 2 μm and with associated input and output coupling circuits; b. Designed to operate with a magnetic field slew rate exceeding 1×10^6 magnetic flux quanta per second; c. Designed to function without magnetic shielding in the earth's ambient magnetic field; or d. Having a temperature coefficient less (smaller) than 0,1 magnetic flux quantum/K 	
<p>Gravity meters (gravimeters) for ground use, other than those specified in the CML or in Regulation (EU) 2021/821, as follows:</p> <ul style="list-style-type: none"> a. Having a static accuracy of less (better) than 100 μGal; or b. Being of the quartz element (Worden) type 	ex 9015 80
<p>“Software”, other than those specified in the CML or in Regulation (EU) 2021/821, specially designed for the “development”, “production”, or “use” of goods controlled by 6A002¹⁰, 6A003¹¹, and radars, magnetometers and gravity meters included in Category 6 of this Regulation.</p>	N/A

¹⁰ Ref. Annex I to Regulation (EU) 2021/821

¹¹ Ref. Annex I to Regulation (EU) 2021/821

Category 7 – Navigation and avionics

Description	HS/CN code
Inertial Navigation systems, Inertial Measuring Units (IMU), accelerometers or gyros, and parts and accessories thereof	ex 9014 20 ex 9014 80 ex 9014 90
Aerials and aerial reflectors for “aircraft” or guidance systems, parts suitable for use therewith	ex 8517 71 ex 8529 10
“Satellite navigation system” equipment, including aerials and antennas suitable for the reception of GNSS signals, and parts thereof	ex 8526 91 ex 8529 90 ex 8526 10 ex 8526 92 ex 8517 71 ex 8529 10
Digital flight data recorders	8543 70 04
Radio navigational aid apparatus for “aircraft” and specially designed components thereof	ex 8526 91 ex 8529 90
Flight control units for “Unmanned Aerial Vehicles” (“UAVs”), and parts thereof	ex 8537 10 ex 8807 30
Remote control units for “Unmanned Aerial Vehicles” (“UAVs”), and parts thereof	ex 8517 61 ex 8526 92 ex 8537 10 ex 8543 70 90 ex 8807 30

Category 9 – Aerospace and propulsion

Description	HS/CN code
“Unmanned aerial vehicles” (“UAVs”) other than those designed for carrying passengers, and parts thereof	8806 21
	8806 22
	8806 23
	8806 24
	8806 29
	8806 91
	8806 92
	8806 93
	8806 94
	8806 99
ex 8807 30	
Aero gas turbine engines (turboprop, turbojet and turbofan) for “aircraft”, and specially designed components thereof	ex 8411 11
	ex 8411 12
	ex 8411 21
	ex 8411 22
	ex 8411 91
Spark-ignition reciprocating or rotary internal combustion piston engines for “aircraft”	8407 10
Parts suitable for use solely or principally with internal combustion piston engine for “aircraft”	8409 10
Compression-ignition internal combustion piston engines for “aircraft”	ex 8408 90
Servomotor for “Unmanned Aerial Vehicles” (“UAVs”)	ex 8501
	ex 8807 30

Description	HS/CN code
Launch systems for “UAVs”, and parts thereof	ex 8805 10 ex 8807 30
Ground support equipment for “UAVs”	ex 8805 10
Testing equipment for aerospace and propulsion, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821.	ex 9031 20 ex 9031 80
<p data-bbox="164 517 975 589"><i>Note: this control includes the following items, and the related “software”:</i></p> <ul style="list-style-type: none"> <li data-bbox="164 607 1046 678">– <i>Load release test bench and other facilities to simulate safe separation from the “aircraft” or launch system.</i> <li data-bbox="164 696 1059 768">– <i>Salt spray chambers for temperature and humidity ranges to perform oxidation tests.</i> <li data-bbox="164 786 722 822">– <i>Chambers to perform fungus tests.</i> <li data-bbox="164 840 1023 875">– <i>Devices for acceleration, shock and transport shock tests.</i> <li data-bbox="164 893 1059 965">– <i>Vibration chambers with altitude, temperature and humidity ranges.</i> <li data-bbox="164 983 858 1019">– <i>Chambers for explosive decompression tests.</i> <li data-bbox="164 1037 1082 1072">– <i>Chambers for temperature, humidity and solar radiation tests.</i> <li data-bbox="164 1090 1023 1162">– <i>Devices to estimate the captured solar radiation for solar radiation tests.</i> <li data-bbox="164 1180 1075 1252">– <i>Vibrators for sinusoidal, random and shock tests, combinable with altitude, temperature and humidity tests.</i> <li data-bbox="164 1270 1099 1341">– <i>Vibration table for longitudinal and lateral tests combined with temperature chambers.</i> <p data-bbox="260 1359 576 1395"><i>Overpressure chambers.</i></p>	

Description	HS/CN code
‘Flight termination’ systems and specifically designed components.	ex 8526 92
<i>Note: this control covers digital and analogic communications standards for Flight Termination Systems, including encrypted operational modes.</i>	ex 8529 90
<i>Technical notes:</i>	
<ol style="list-style-type: none"> 1. <i>For the purpose of this control ‘flight termination’ can involve a controlled descent, self-destruction of the missile, or detonation of the warhead to minimize the risk of collateral damage</i> 	
<ol style="list-style-type: none"> 2. <i>For the purpose of this control, components include ground and on board equipment, command exciters, encoders, amplifier controllers, command verification receivers, amplifiers, transmitters, decoders and receivers.</i> 	

Category 10 – Technology

“Technology”, designed or specifically adapted for the test, development or production of equipment listed in this Annex

“Technology” for the “use” of machine tools controlled in this Annex.’.