



2026/271

30.1.2026

**COUNCIL REGULATION (EU) 2026/271**

**of 29 January 2026**

**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**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 215 thereof,

Having regard to the joint proposal from the High Representative of the Union for Foreign Affairs and Security Policy and of the European Commission,

Whereas:

- (1) On 20 July 2023, the Council adopted Decision 2023/1532/CFSP<sup>(1)</sup> and Regulation (EU) 2023/1529<sup>(2)</sup>, 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.
- (2) In view of the gravity of the situation with regard to Iran's military support to Russia's war of aggression against Ukraine, the Council adopted Decision (CFSP) 2024/1336, which amended Decision (CFSP) 2023/1532 on 14 May 2024.
- (3) On 18 November 2024, the Council adopted Decision (CFSP) 2024/2894, which amended Decision (CFSP) 2023/1532. This Decision introduced further restrictive measures, in view of Iran's continued military support to Russia's war of aggression against Ukraine and in particular Iran's supply of unmanned aerial vehicles ('UAVs') and missiles to Russia.
- (4) The Council considers that the prohibition on the export, sale, transfer or supply from the Union to Iran should be extended to include further components used in the development and production of UAVs and missiles,

HAS ADOPTED THIS REGULATION:

*Article 1*

Annex II to Regulation (EU) 2023/1529 is amended in accordance with the Annex to this Regulation.

*Article 2*

This Regulation shall enter into force on the day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 29 January 2026.

*For the Council*

*The President*

K. KALLAS

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<sup>(1)</sup> Council Decision 2023/1532/CFSP of 20 July 2023 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 (OJ L 186, 25.7.2023, p. 20, ELI: <http://data.europa.eu/eli/dec/2023/1532/oj>).

<sup>(2)</sup> Council Regulation (EU) 2023/1529 of 20 July 2023 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 (OJ L 186, 25.7.2023, p. 1, ELI: <http://data.europa.eu/eli/reg/2023/1529/oj>).

## 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 |

| Description                                                                                                                                                                                                                                                             | HS/CN code                                                                                        |
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| Ethylenediaminedinitrate (EDDN) (CAS 20829-66-7);                                                                                                                                                                                                                       | ex 2920 90 70                                                                                     |
| 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<br>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 <sup>(1)</sup> or 1C210 <sup>(2)</sup> , 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<br>ex 5501 11<br>ex 5503 11<br>ex 6815 11<br>ex 6815 12<br>ex 6815 19<br>ex 7019 19 10 |
| 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                                                                                        |
| <u>Notes:</u> For the purpose of this control, nanomaterial means a material that meets at least one of the following criteria:                                                                                                                                         | 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 $60 \text{ m}^2/\text{cm}^3$ , excluding materials consisting of particles with a size lower than 1 nm                                                                                                            |                                                                                                   |

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

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

| Description                                                                                                                                                                                                                                                                                                                                                                                 | HS/CN code                                                                                                                                                                                                                                               |
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| <p>Tungsten, tungsten carbide and alloys, not controlled by 1C117 <sup>(3)</sup>, 1C226 <sup>(4)</sup>, II.A1.013 <sup>(5)</sup> or II.A1.017 <sup>(6)</sup>, containing more than 90 % tungsten by weight.</p> <p><i>Note 1: For the purpose of this control, wire is excluded</i></p> <p><i>Note 2: For the purpose of this control, surgical or medical instruments are excluded</i></p> | <p>2849 90 30</p> <p>ex 8101 10</p> <p>ex 8101 94</p> <p>ex 8101 97</p> <p>ex 8101 99</p>                                                                                                                                                                |
| <p>Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 <sup>(7)</sup> or 1C210 <sup>(8)</sup>, presented in any of the following forms:</p> <p>a. Primary forms;</p> <p>b. Filament yarn or monofilaments;</p> <p>c. Filament tows;</p> <p>d. Rovings;</p> <p>e. Staple or chopped fibres;</p> <p>f. Fabrics;</p> <p>g. Pulp or flocks.</p>                          | <p>ex 3901 20 10</p> <p>ex 3901 20 90</p> <p>ex 5402 39</p> <p>ex 5402 49</p> <p>ex 5402 59</p> <p>ex 5402 69</p> <p>ex 5404 90 90</p> <p>ex 5407 20 11</p> <p>ex 5407 20 19</p> <p>ex 5501 90</p> <p>ex 5503 90</p> <p>ex 5506 90</p> <p>ex 5601 30</p> |

## Category 2 – Materials processing

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | HS/CN code                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <p>Bearings and bearing systems not controlled by 2A001 and 2A101:</p> <p>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:</p> <p>1. Manufactured for use at operating temperatures above 573 K (300 °C) either by using special materials or by special heat treatment; or</p> <p>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';</p> | <p>ex 8482 10</p> <p>ex 8482 20</p> <p>ex 8482 30</p> <p>ex 8482 40</p> <p>ex 8482 50</p> <p>ex 8482 80</p> <p>ex 8482 91</p> |

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

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

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

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

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

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

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | HS/CN code                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>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:</p> <ol style="list-style-type: none"> <li>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</li> <li>2. Manufactured for use at operating temperatures below 219 K (– 54 °C) or above 423 K (150 °C);</li> </ol> <p>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;</p> <p>d. Active magnetic bearing systems;</p> <p>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).</p> <p><u>Technical Notes:</u></p> <ol style="list-style-type: none"> <li>1. 'DN' is the product of the bearing bore diameter in mm and the bearing rotational velocity in rpm.</li> <li>2. Operating temperatures include those temperatures obtained when a gas turbine engine has stopped after operation.</li> </ol> |                                                                                                                                                                                                             |
| <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>                                                                                                                                                    |
| <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>a. “Numerical control” units for machine tools:</p> <ol style="list-style-type: none"> <li>1. Having four interpolating axes that can be coordinated simultaneously for contouring control; or</li> <li>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;</li> <li>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</li> </ol> <p>b. Motion control boards specially designed for machine tools and having any of the following characteristics:</p> <ol style="list-style-type: none"> <li>1. Interpolation in more than four axes;</li> </ol>                                                                                                                                                                                                  | <p>ex 8537 10 10</p> <p>ex 8537 10 98</p> <p>ex 8456 30</p> <p>ex 8457 10</p> <p>ex 8457 20</p> <p>ex 8457 30</p> <p>ex 8458 11</p> <p>ex 8458 91</p> <p>ex 8459 10</p> <p>ex 8459 31</p> <p>ex 8459 51</p> |

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HS/CN code                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <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>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> <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> <p>1. Two or more axes that can be coordinated simultaneously for contouring control; and</p> <p>2. Positioning accuracies according to ISO 230/2 (2006), with all compensations available:</p> <p>a. Better than 15 µm along any linear axis (overall positioning) for grinding machines;</p> <p>b. Better than 15 µm along any linear axis (overall positioning) for milling machines; or</p> <p>c. Better than 15 µm along any linear axis (overall positioning) for turning machines; or</p> <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> <p>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:</p> <p>a. One or more contouring “tilting spindles”;</p> <p><i>Note: this applies to machine tools for grinding or milling only.</i></p> <p>b. “Camming” (axial displacement) in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR);</p> <p><i>Note: this applies to machine tools for turning only.</i></p> <p>c. “Run-out” (out-of-true running) in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR); or</p> <p>d. The positioning accuracies, with all compensations available, are less (better) than: 0,001° on any rotary axis;</p> <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>ex 8459 61</p> <p>ex 8460 12</p> <p>ex 8460 22</p> <p>ex 8460 23</p> <p>ex 8460 24</p> |

| Description                                                                                                                                                                                                                                                          | HS/CN code                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Assemblies, circuit boards or inserts specially designed for machine tools controlled in this annex:                                                                                                                                                                 | ex 8207 19<br>ex 8207 20                            |
| 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);                              | ex 8207 50<br>ex 8207 60<br>ex 8207 90              |
| b. Single point diamond cutting tool inserts, having all of the following characteristics:                                                                                                                                                                           | ex 8466 10                                          |
| 1. Flawless and chip-free cutting edge when magnified 400 times in any direction;                                                                                                                                                                                    | ex 8466 20 20                                       |
| 2. Cutting radius from 0,1 to 5 mm inclusive; and                                                                                                                                                                                                                    | ex 8466 20 91<br>ex 8466 20 98                      |
| 3. Cutting radius out-of-roundness less (better) than 0,002 mm TIR.                                                                                                                                                                                                  | ex 8466 30                                          |
| 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.             | ex 8466 93<br>ex 8466 93                            |
| <i>Technical Note:</i><br><br><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> |                                                     |
| "Software" specially designed for the "development", "production", or "use" of the machine tools controlled in this Annex                                                                                                                                            |                                                     |
| "Numerical controlled" machine tools, having one or more linear axis with a travel length greater than 8 000 mm.                                                                                                                                                     | ex 8456<br>ex 8457<br>ex 8458<br>ex 8459<br>ex 8460 |

## Category 3 – Electronics

| Description                                                                                                                                                                                                                                 | HS/CN code               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Integrated circuits as follows: Field Programmable 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<br>ex 8542 39 |
| "Monolithic Microwave Integrated Circuits" ("MMIC") amplifiers and devices                                                                                                                                                                  | ex 8542 33<br>8543 70 02 |
| RF filters or Electromagnetic Interference (EMI) filters                                                                                                                                                                                    | ex 8548 00               |
| Tantalum capacitors                                                                                                                                                                                                                         | 8532 21                  |
| Aluminium electrolytic capacitors                                                                                                                                                                                                           | 8532 22                  |

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HS/CN code                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Ceramic dielectric multilayer capacitors                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8532 24                                                                                         |
| Storage integrated circuits, as follows:                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ex 8542 32                                                                                      |
| a. Electrically erasable programmable read-only memories (EEPROMs) with a storage capacity; <ol style="list-style-type: none"> <li>1. Exceeding 16 Mbits per package for flash memory types; or</li> <li>2. Exceeding either of the following limits for all other EEPROM types:               <ol style="list-style-type: none"> <li>a. Exceeding 1 Mbit per package; or</li> <li>b. Exceeding 256 kbit per package and a maximum access time of less than 80 ns;</li> </ol> </li> </ol> |                                                                                                 |
| b. Static random access memories (SRAMs) with a storage capacity: <ol style="list-style-type: none"> <li>1. Exceeding 1 Mbit per package; or</li> <li>2. Exceeding 256 kbit per package and a maximum access time of less than 25 ns</li> </ol>                                                                                                                                                                                                                                           |                                                                                                 |
| Mounted piezo-electric crystals                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8541 60                                                                                         |
| 'Semiconductor devices' fulfilling the military standard MIL-STD-750D or other equivalent standard.<br><br><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<br>ex 8541 21<br>ex 8541 29<br>ex 8541 30<br>ex 8541 49<br>ex 8541 51<br>ex 8541 59  |
| Electrical plugs, connectors, jacks, jumpers, terminals, sockets or adapters, having any of the following: <ol style="list-style-type: none"> <li>a. Rated for operation at an ambient temperature above 398K (125 °C);</li> <li>b. Rated for operation at an ambient temperature below 218K (– 55 °C); or</li> <li>c. Rated for operation over the entire ambient temperature range from 218K (– 55 °C) to 398K (125 °C).</li> </ol>                                                     | ex 8536 69<br>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                                                                                         |
| Equipment for the manufacture of Printed Circuit Boards (PCBs) and specially designed components and accessories therefor, as follows: <ol style="list-style-type: none"> <li>a. Film processing equipment;</li> <li>b. Solder mask coating equipment;</li> <li>c. Photo plotter equipment;</li> <li>d. Plating or electroplating deposition equipment;</li> <li>e. Vacuum chambers and presses;</li> </ol>                                                                               | ex 8424 89 40<br>ex 8479 89 70<br>ex 8543 30 40<br>ex 8486 40<br>ex 8420 10 81<br>ex 8479 90 15 |

| Description                                                                                                                                                                                                                         | HS/CN code                     |
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| f. Roll laminators;<br>g. Alignment equipment; or<br>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<br>ex 9030 32       |
| a. Spacing, area, volume or height;                                                                                                                                                                                                 | ex 9030 33 20                  |
| b. Bill boarding;                                                                                                                                                                                                                   | ex 9030 33 70<br>ex 9030 39 00 |
| c. Components (presence, absence, flipped, offset, polarity, or skew);                                                                                                                                                              | ex 9030 84                     |
| d. Solder (bridging, insufficient solder joints);                                                                                                                                                                                   | ex 9030 89<br>ex 9031 49 10    |
| e. Leads (insufficient paste, lifting);                                                                                                                                                                                             | ex 9031 49 90                  |
| f. Tombstoning; or                                                                                                                                                                                                                  | ex 9031 80 20<br>ex 9031 80 80 |
| g. Electrical (shorts, opens, resistance, capacitance, power, grid performance).                                                                                                                                                    |                                |
| Oscilloscopes and oscillographs                                                                                                                                                                                                     | 9030 20                        |
| Instruments and apparatus for measuring or checking semiconductor wafers or devices                                                                                                                                                 | 9030 82                        |
| Signal generators                                                                                                                                                                                                                   | 8543 20                        |
| Chemicals and materials of the type used in the production of Printed Circuit Boards (PCBs), as follows:                                                                                                                            | ex 3921 90 55<br>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<br>ex 2833 40    |
| 1. Aluminium;                                                                                                                                                                                                                       | ex 3824 99 96                  |
| 2. Polytetrafluoroethylene (PTFE); or                                                                                                                                                                                               | ex 7410 11                     |
| 3. Ceramic materials (e.g. alumina, titanium oxide, etc.);                                                                                                                                                                          | ex 7410 21                     |
| c. Etchant chemicals;                                                                                                                                                                                                               | ex 3919 10 80                  |
| 1. Ferric chloride (7705-08-0);                                                                                                                                                                                                     | ex 3919 90 80                  |
| 2. Cupric chloride (7447-39-4);                                                                                                                                                                                                     |                                |
| 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;                                                                                                                                                                                                             |                                |

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | HS/CN code                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 2. Parylenes;<br><br>3. Benzocyclobutenes (BCBs); or<br><br>4. Polybenzoxazoles.                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                   |
| “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:<br>a. Take control and command of UAVs.<br>b. Deliberately and selectively interfere with, deny, inhibit, degrade or deceive radio frequency signals for the control and command of unmanned aircraft.<br>c. Use the specific features of the radio frequency protocol used by drones to interfere with their operation. | ex 8517 62<br>ex 8517 71<br>ex 8517 79<br>ex 8525 50<br>ex 8526 92<br>ex 8529 10<br>ex 8543 70 90 |

## 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:<br>a. 32 channels or more; and<br>b. A resolution of 14 bit (plus sign bit) or more with a conversion rate of 200 000 Hz or more | ex 8471    |

## Category 5 – Telecommunications and information security

| Description                                                       | HS/CN code               |
|-------------------------------------------------------------------|--------------------------|
| Telecommunications apparatus, devices or machines, for “aircraft” | ex 8517 62<br>ex 8517 69 |

## Category 6 – Sensors and lasers

| Description               | HS/CN code |
|---------------------------|------------|
| Cameras for aerial survey | ex 9006 30 |

| Description                                                                                                                                                                                              | HS/CN code    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 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       |
| Night vision cameras                                                                                                                                                                                     | 8525 83       |
| Cameras that meet the criteria of Note 3 to 6A003.b.4 <sup>(9)</sup>                                                                                                                                     | 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)                                                                                               | ex 8506       |

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

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | HS/CN code                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| <p><u>Technical Notes:</u></p> <ol style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>3. For the purposes of this control, a 'primary cell' is a 'cell' that is not designed to be charged by any other source.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                           |
| <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"> <li>a. Airborne radar equipment, other than those specified in the CML or in Regulation (EU) 2021/821, and specially designed components therefor;</li> <li>b. "Space-qualified" "laser" radar or Light Detection and Ranging (LIDAR) equipment specially designed for surveying or for meteorological observation;</li> <li>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"> <li>1. Operates at a frequency of 94 GHz;</li> <li>2. An average output power of less than 20 mW;</li> <li>3. Radar beam width of 1 degree; and</li> <li>4. Operating range equal to or greater than 1 500 m</li> </ol> </li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>ex 8526 10<br/>ex 8529 90<br/>ex 9015 10<br/>ex 90</p> |
| <p>"Magnetometers", "Superconductive" electromagnetic sensors, and specially designed components therefor, as follows:</p> <ol style="list-style-type: none"> <li>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</li> </ol> <p><u>Technical Note:</u> 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.</p> <ol style="list-style-type: none"> <li>b. "Superconductive" electromagnetic sensors, components manufactured from "superconductive" materials: <ol style="list-style-type: none"> <li>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));</li> <li>2. Designed for sensing electromagnetic field variations at frequencies of 1 kHz or less; and</li> <li>3. Having any of the following characteristics: <ol style="list-style-type: none"> <li>a. Incorporating thin-film SQUIDS with a minimum feature size of less than 2 µm and with associated input and output coupling circuits;</li> <li>b. Designed to operate with a magnetic field slew rate exceeding 1 x 10<sup>6</sup> magnetic flux quanta per second;</li> </ol> </li> </ol> </li> </ol> | <p>ex 9015 80<br/>ex 9031 80</p>                          |

| Description                                                                                                                                                                                                                                                                                                       | HS/CN code |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| c. Designed to function without magnetic shielding in the earth's ambient magnetic field;<br>or<br><br>d. Having a temperature coefficient less (smaller) than 0,1 magnetic flux quantum/K                                                                                                                        |            |
| Gravity meters (gravimeters) for ground use, other than those specified in the CML or in Regulation (EU) 2021/821, as follows:<br>a. Having a static accuracy of less (better) than 100 µGal; or<br>b. Being of the quartz element (Worden) type                                                                  | ex 9015 80 |
| “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 6A002 <sup>(10)</sup> , 6A003 <sup>(11)</sup> , and radars, magnetometers and gravity meters included in Category 6 of this Regulation. | N/A        |

## 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<br>ex 9014 80<br>ex 9014 90                                           |
| Aerials and aerial reflectors for “aircraft” or guidance systems, parts suitable for use therewith                                    | ex 8517 71<br>ex 8529 10                                                         |
| “Satellite navigation system” equipment, including aerials and antennas suitable for the reception of GNSS signals, and parts thereof | ex 8526 91<br>ex 8529 90<br>ex 8526 10<br>ex 8526 92<br>ex 8517 71<br>ex 8529 10 |
| Digital flight data recorders                                                                                                         | 8543 70 04                                                                       |

<sup>(10)</sup> Ref. Annex I to Regulation (EU) 2021/821<sup>(11)</sup> Ref. Annex I to Regulation (EU) 2021/821

| Description                                                                                                           | HS/CN code                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Radio navigational aid apparatus for "aircraft" and specially designed components thereof                             | ex 8526 91<br>ex 8529 90                                                                                                 |
| Flight control units for "Unmanned Aerial Vehicles" ("UAVs"), and parts thereof                                       | ex 8537 10<br>ex 8807 30                                                                                                 |
| Remote control units for "Unmanned Aerial Vehicles" ("UAVs"), and parts thereof                                       | ex 8517 61<br>ex 8526 92<br>ex 8537 10<br>ex 8543 70 90<br>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<br>8806 22<br>8806 23<br>8806 24<br>8806 29<br>8806 91<br>8806 92<br>8806 93<br>8806 94<br>8806 99<br>ex 8807 30 |
| Aero gas turbine engines (turboprop, turbojet and turbofan) for "aircraft", and specially designed components thereof | ex 8411 11<br>ex 8411 12<br>ex 8411 21<br>ex 8411 22<br>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                                                                                                                  |

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | HS/CN code               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Compression-ignition internal combustion piston engines for “aircraft”                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ex 8408 90               |
| Servomotor for “Unmanned Aerial Vehicles” (“UAVs”)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ex 8501<br>ex 8807 30    |
| Launch systems for “UAVs”, and parts thereof                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ex 8805 10<br>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.<br><br><i>Note: this control includes the following items, and the related “software”:</i><br><br>— Load release test bench and other facilities to simulate safe separation from the “aircraft” or launch system.<br><br>— Salt spray chambers for temperature and humidity ranges to perform oxidation tests.<br><br>— Chambers to perform fungus tests.<br><br>— Devices for acceleration, shock and transport shock tests.<br><br>— Vibration chambers with altitude, temperature and humidity ranges.<br><br>— Chambers for explosive decompression tests.<br><br>— Chambers for temperature, humidity and solar radiation tests.<br><br>— Devices to estimate the captured solar radiation for solar radiation tests.<br><br>— Vibrators for sinusoidal, random and shock tests, combinable with altitude, temperature and humidity tests.<br><br>— Vibration table for longitudinal and lateral tests combined with temperature chambers.<br><br>— Overpressure chambers. | ex 9031 20<br>ex 9031 80 |
| ‘Flight termination’ systems and specifically designed components.<br><br><i>Note: this control covers digital and analogic communications standards for Flight Termination Systems, including encrypted operational modes.</i><br><br><i>Technical notes:</i><br><br>1. 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<br><br>2. 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.                                                                                                                                                                                                                                                                                                                                                                                                                                          | ex 8526 92<br>ex 8529 90 |

## 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.’

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