

SUBSIDIARY LEGISLATION 365.13**MILITARY EQUIPMENT (EXPORT CONTROL)
REGULATIONS**

1st January, 2002

LEGAL NOTICE 269 of 2001, as amended by Legal Notices 376 of 2003, 168 of 2006 and 425 of 2007.

1. The title of these regulations is the Military Equipment (Export Control) Regulations. Citation.

2. (1) In these regulations, unless the context otherwise requires: Interpretation.
*Amended by:
L.N. 376 of 2003;
L.N. 168 of 2006.
Cap. 365.*

"Act" means the National Interest (Enabling Powers) Act;

"broker" means any natural or legal person engaged in brokering activities;

"brokering activities" means activities of persons and entities -

(a) negotiating or arranging transactions that may involve the transfer of items listed in the Manual from any country, including Malta, to any other country; or

(b) who buy, sell or arrange the transfer of such items that are in their ownership from any country, including Malta, to any other country;

"country" includes territory;

"Director" means the Director responsible for trade and includes any officer designated or authorised by the Director to act for a purpose or class of purposes of these regulations:

Provided that for the purposes of article 30(3) of the Customs Ordinance, the Minister or the Director shall act in consultation with the Minister responsible for Customs, or such other authority, head of department or person appointed for the purpose by such Minister; Cap. 37.

"export", unless the context otherwise requires, means export from Malta, and includes the transmission of software or technology by fax, telephone or other electronic media (except that oral transmission of technology by telephone is included only where the technology is contained in a document the relevant part of which is read out over the telephone, or is described over the telephone in such a way as to achieve substantially the same result as if it had been so read);

"export declaration" means the act whereby a person indicates in the prescribed form and manner the wish to place military equipment under an export procedure;

"exporter" means any natural or legal person on whose behalf an export declaration is made, that is to say the person who, at the time when the declaration is accepted, holds the contract with the consignee in the third country and has the power for determining

the sending of the item out of the customs territory of Malta. If no export contract has been concluded or if the holder of the contract does not act on its own behalf, the power for determining the sending of the item out of the customs territory of Malta shall be decisive;

"import" and "export" in relation to a vessel, submersible vehicle or aircraft includes the taking into or out of Malta of the vessel, submersible vehicle or aircraft notwithstanding that the vessel, submersible vehicle or aircraft is conveying goods or passengers, and whether or not it is moving under its own power; and cognate expressions shall be construed accordingly;

"items in transit" means items which only pass through the territory of Malta, that is those which are not assigned a customs-approved treatment or use other than the external transit procedure or which are merely placed in a free zone or a free warehouse and where no record of them has to be kept in an approved stock record;

"military equipment" means any used or unused items, including software and technology, which are listed in the First Schedule;

"Minister" means the Minister responsible for trade;

"normal commercial journey" means a journey providing transport services in the ordinary course of business;

"person" means any natural or legal person;

"scheduled journey" means one of a series of journeys which are undertaken between the same two places and which together amount to a systematic service operated in such manner that its benefits are available to members of the public from time to time seeking to take advantage of it;

"surface effect vehicle" means any air cushion vehicle (whether side wall or skirted) and any vehicle using the wing-in-ground effect for positive lift;

"vessel" includes any ship, surface effect vehicle, vessel of small waterplane area or hydrofoil, and the hull or part of the hull of a vessel.

(2) Any reference in these regulations to time after an event is a reference to a period of that length of time beginning on the day after that event.

(3) In these regulations, except where the context otherwise requires, any reference to -

(a) a numbered regulation is a reference to the regulation in these regulations which is so numbered;

(b) a numbered subregulation is a reference to the subregulation which is so numbered in the regulation where the reference occurs.

3. (1) An authorization by the Director shall be required for the export of the items listed in the First Schedule.

(2) Any authorization so granted by the Director in pursuance of these regulations may be:

- (a) limited so as to expire on a specified date unless renewed;
- (b) subject to or without conditions, and any such condition may require or prohibit any act before or after the export of items under that authorization;
- (c) annulled, suspended, modified or revoked by the Director.

(3) When applying for an export authorization, exporters shall supply the Director with all the relevant information required for their applications. Applications shall be submitted on a form as set out in the Second Schedule.

4. (1) Subject to the provisions of these regulations no person shall make any export of items specified in the First Schedule, to any destination except under and in accordance with an authorization as specified in regulation 3.

Exports of military equipment.
Amended by:
L.N. 168 of 2006.

(2) These regulations apply also to items in transit.

4A. (1) Prior to engaging in any brokering activities relating to the transfer of any item listed in the Manual, brokers must submit a written application to the Director for the issue of a licence to act as a broker, therein providing all the relevant information requested by the Director.

Brokering activities.
Added by:
L.N. 376 of 2003.

(2) No person shall engage himself in any brokering activity relating to the transfer from any country, including Malta, to any other country of any item listed in the Manual unless:

- (a) he is in possession of a licence issued by the Director to act as a broker; and
- (b) an authorisation is granted by the Director for the transfer of such item.

5. (1) These regulations do not apply to the exportation of any goods by the Armed Forces of Malta:

Exceptions.

- (a) for use by an International United Nations Force in the course of its duties as such;
- (b) for use in connection with EU-led Peace-Keeping Operations sanctioned by UN/OSCE;
- (c) for use in connection with distress situations and other cases of an emergency nature;
- (d) for the purpose of their being repaired, overhauled, refitted, modified, tested or maintained and returned to Malta;
- (e) for the purpose of their being used at international military competitions, or
- (f) for the purposes of testing of munitions.

(2) Nothing in these regulations prohibits the export of:

- (a) any aircraft on a scheduled journey;
- (b) any aircraft the immediately preceding import of which was on a scheduled journey and which is

intended for further scheduled journeys;

- (c) any vessel which is departing temporarily from Malta on trials;
- (d) any vessel proceeding on a normal commercial journey.

Customs procedures.

6. When completing the formalities for the export of military equipment at the customs office responsible for handling the export declaration, the exporter shall furnish proof that any necessary export authorization has been obtained.

Misleading applications for authorisations etc.

7. (1) For the purposes of obtaining any authorization no person shall:

- (a) make any statement or furnish any document or information which to that person's knowledge is false in a material particular; or
- (b) recklessly make any statement or furnish any document or information which is false in a material particular.

(2) Any authorization which may have been granted by the Director in connection with an application for which a false statement was made or a false document or information was furnished shall be void as from the time it was granted.

Registration and provision of information.

8. (1) Not later than thirty days after any person makes an export for a first time by virtue of an authorization granted by the Director, that person shall give to the Director written notice of the following particulars:

- (a) the name of the person; and
- (b) the address at which copies of the records referred to in regulation 9 may be inspected by any person authorized by the Minister under regulation 9.

(2) A person who has given to the Director written notice of particulars under subregulation (1) shall, not later than thirty days after any change in those particulars, give to the Director written notice of the changed particulars.

Record keeping and inspection.

9. (1) Exporters shall keep detailed registers or records of their exports. Such registers or records shall include in particular commercial documents such as invoices, manifests and transport and other dispatch documents, containing sufficient information to allow the following to be identified:

- (a) the description of the military equipment;
- (b) the quantity of the military equipment;
- (c) the name and address of the exporter and of the consignee;
- (d) in so far as it is known to that person, the end use of the military equipment and the name and address of the end-user.

(2) The records referred to in subregulation (1) shall be kept

for at least three years from the end of the calendar year in which the export took place, and the person concerned shall permit any such records to be inspected and copied by any person authorized by the Minister.

(3) Any person authorized by the Minister may, on producing if required to do so a duly authenticated document showing his authority, at any reasonable hour enter, for the purpose of subregulation (2), the premises of which the address has most recently been notified to the Director under regulation 8.

(4) Where any documents or records referred to in subregulation (2) are kept in a form which is not legible the exporter shall at the request of the person authorized by the Minister, reproduce such documents or records in a legible form.

10. (1) Any person in Malta, or any citizen or permanent resident of Malta, whether in Malta or elsewhere, who -

- (a) exports items from Malta by virtue of an authorization granted by the Director and fails to comply with any condition attaching to that authorization, or
- (b) contravenes any of these regulations,

Penalties for failure to comply with these regulations.
Amended by:
L.N. 425 of 2007.

shall be guilty of an offence and shall be liable on conviction to a term of imprisonment not exceeding five years or to a fine (*multa*) not exceeding one hundred and sixteen thousand and four hundred and sixty-eight euro and sixty-seven cents (116,468.67).

(2) No person is guilty of an offence under subregulation (1)(a) where:

- (a) the condition in question had been previously modified without that person's consent by the Director;
 - (b) the alleged failure to comply would not have been a failure had the authorization not been so modified, and
 - (c) that person proves that the items in relation to which he has failed to comply with the condition had, at the time the condition was modified, already been exported.
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Added by:
L.N. 168 of 2006.

FIRST SCHEDULE
Regulations 3 and 4
List of Military Equipment

Definitions of Terms Used in this List

The following are definitions of the terms used in this List, in alphabetical order.

Note 1 Definitions apply throughout the List. The references are purely advisory and have no effect on the universal application of defined terms throughout the List.

Note 2 Words and terms contained in the List of Definitions only take the defined meaning where this is indicated by their being enclosed in quotations marks (" "). Elsewhere, words and terms take their commonly accepted (dictionary) meanings, unless a local definition for a particular control is given.

"Adapted for use in war"

Any modification or selection (such as altering purity, shelf life, virulence, dissemination characteristics, or resistance to UV radiation) designed to increase the effectiveness in producing casualties in humans or animals, degrading equipment or damaging crops or the environment. (ML7)

"Additives"

Substances used in explosive formulations to improve their properties. (ML8)

"Aircraft"

A fixed wing, swivel wing, rotary wing (helicopter), tilt rotor or tilt-wing airborne vehicle. (ML8, ML9 and ML10)

"Basic scientific research"

Experimental or theoretical work undertaken principally to acquire new knowledge of the fundamental principles of phenomena or observable facts, not primarily directed towards a specific practical aim or objective. (ML22)

"Biocatalysts"

Enzymes for specific chemical or biochemical reactions or other biological compounds which bind to and accelerate the degradation of CW agents. (ML7 and ML 22)

Technical Note 'Enzymes' means "biocatalysts" for specific chemical or biochemical reactions.

"Biopolymers"

Biological macromolecules as follows:

- a. Enzymes for specific chemical or biochemical reactions;
- b. Antibodies, monoclonal, polyclonal or anti-idiotypic;
- c. Specially designed or specially processed receptors. (ML7 and ML22)

Technical Notes

1. 'Anti-idiotypic antibodies' means antibodies which bind to the specific antigen binding sites of other antibodies;

2. 'Monoclonal antibodies' means proteins which bind to one antigenic site and are produced by a single clone of cells;

3. 'Polyclonal antibodies' means a mixture of proteins which bind to the specific antigen and are produced by more than one clone of cells;

4. 'Receptors' means biological macromolecular structures capable of binding ligands, the binding of which affects physiological functions.

"Civil aircraft"

Those "aircraft" listed by designation in published airworthiness certification lists by the civil aviation authorities to fly commercial civil internal and external routes or for legitimate civil, private or business use. (ML10)

"Development"

Is related to all stages prior to serial production, such as{ design, design research, design analyses, design concepts, assembly and testing of prototypes, pilot production schemes, design data, process of transforming design data into a product, configuration design, integration design, layouts. (ML21 and ML 22)

"End-effectors"

Grippers, active tooling units and any other tooling that is attached to the baseplate on the end of a "robot" manipulator arm. (ML17)

Technical Note

'Active tooling units' are devices for applying motive power, process energy or sensing to a workpiece.

"Energetic materials"

Substances or mixtures that react chemically to release energy required for their intended application. "Explosives", "pyrotechnics" and "propellants" are subclasses of energetic materials. (ML4 and ML8)

"Explosives"

Solid, liquid or gaseous substances or mixtures of substances which, in their application as primary, booster, or main charges in warheads, demolition and other applications, are required to detonate. (ML4 and ML8)

"Expression Vectors"

Carriers (e.g., plasmid or virus) used to introduce genetic material into host cells. (ML7)

"Fibrous or filamentary materials"

Include:

- a. Continuous monofilaments;
- b. Continuous yarns and rovings;
- c. Tapes, fabrics, random mats and braids;
- d. Chopped fibres, staple fibres and coherent fibre blankets;
- e. Whiskers, either monocrystalline or polycrystalline, of any length;
- f. Aromatic polyamide pulp. (ML13)

"First generation image intensifier tubes"

Electrostatically focused tubes, employing input and output fibre optic or glass face plates, multi-alkali photocathodes (S-20 or S-25), but not microchannel plate

amplifiers. (ML15)

"In the public domain"

This means "technology" or "software" which has been made available without restrictions upon its further dissemination. (ML22)

Note Copyright restrictions do not remove "technology" or "software" from being "in the public domain".

"Laser"

An assembly of components which produce both spatially and temporally coherent light that is amplified by stimulated emission of radiation. (ML5 and ML19)

"Lighter-than-air vehicles"

Balloons and airships that rely on hot air or on lighter-than-air gases such as helium or hydrogen for their lift. (ML10)

"Nuclear reactor"

Includes the items within or attached directly to the reactor vessel, the equipment which controls the level of power in the core, and the components which normally contain or come into direct contact with or control the primary coolant of the reactor core. (ML17)

"Precursors"

Speciality chemicals used in the manufacture of explosives. (ML8)

"Production"

Means all production stages, such as: product engineering, manufacture, integration, assembly (mounting), inspection, testing, quality assurance. (ML21 and ML22)

"Propellants"

Substances or mixtures that react chemically to produce large volumes of hot gases at controlled rates to perform mechanical work. (ML8)

"Pyrotechnic(s)"

Mixtures of solid or liquid fuels and oxidizers which, when ignited, undergo an energetic chemical reaction at a controlled rate intended to produce specific time delays, or quantities of heat, noise, smoke, visible light or infrared radiation. Pyrophorics are a subclass of pyrotechnics, which contain no oxidizers but ignite spontaneously on contact with air. (ML4 and ML8)

"Required"

As applied to "technology", refers to only that portion of "technology" which is peculiarly responsible for achieving or exceeding the controlled performance levels, characteristics or functions. Such "required" "technology" may be shared by different products. (ML22)

"Riot control agents"

Substances which, under the expected conditions of use for riot control purposes, produce rapidly in humans sensory irritation or disabling physical effects which disappear within a short time following termination of exposure. (Tear gases are a subset of "riot control agents".) (ML7)

"Robot"

A manipulation mechanism, which may be of the continuous path or of the point-

to-point variety, may use sensors, and has all the following characteristics:

- a. Is multifunctional;
- b. Is capable of positioning or orienting material, parts, tools or special devices through variable movements in three dimensional space;
- c. Incorporates three or more closed or open loop servo-devices which may include stepping motors; and
- d. Has "user-accessible programmability" by means of the teach/playback method or by means of an electronic computer which may be a programmable logic controller, i.e., without mechanical intervention. (ML17)

Note The above definition does not include the following devices:

1. Manipulation mechanisms which are only manually / teleoperator controllable;

2. Fixed sequence manipulation mechanisms which are automated moving devices, operating according to mechanically fixed programmed motions. The programme is mechanically limited by fixed stops, such as pins or cams. The sequence of motions and the selection of paths or angles are not variable or changeable by mechanical, electronic or electrical means;

3. Mechanically controlled variable sequence manipulation mechanisms which are automated moving devices, operating according to mechanically fixed programmed motions. The programme is mechanically limited by fixed, but adjustable stops, such as pins or cams. The sequence of motions and the selection of paths or angles are variable within the fixed programme pattern. Variations or modifications of the programme pattern (e.g., changes of pins or exchanges of cams) in one or more motion axes are accomplished only through mechanical operations;

4. Non-servo-controlled variable sequence manipulation mechanisms which are automated moving devices, operating according to mechanically fixed programmed motions. The programme is variable but the sequence proceeds only by the binary signal from mechanically fixed electrical binary devices or adjustable stops;

5. Stacker cranes defined as Cartesian coordinate manipulator systems manufactured as an integral part of a vertical array of storage bins and designed to access the contents of those bins for storage or retrieval.

"Software"

A collection of one or more "programmes" or "microprogrammes" fixed in any tangible medium of expression. (ML21)

"Space qualified"

Products designed, manufactured and tested to meet the special electrical, mechanical or environmental requirements for use in the launch and deployment of satellites or high altitude flight systems operating at altitudes of 100 km or higher. (ML19)

"Superconductive"

Refers to materials, (i.e., metals, alloys or compounds) which can lose all electrical resistance (i.e., which can attain infinite electrical conductivity and carry very large electrical currents without Joule heating). (ML18 and ML20)

Technical Note The "superconductive" state of a material is individually characterised by a "critical temperature", a critical magnetic field, which is a

function of temperature, and a critical current density which is, however, a function of both magnetic field and temperature.

"Technology"

Specific information necessary for the "development", "production" or "use" of a product. The information takes the form of technical data or technical assistance. (ML22)

Technical Notes

1. 'Technical data' may take forms such as blueprints, plans, diagrams, models, formulae, tables, engineering designs and specifications, manuals and instructions written or recorded on other media or devices such as disk, tape, read-only memories.

2. 'Technical assistance' may take forms such as instruction, skills, training, working knowledge, consulting services. 'Technical assistance' may involve transfer of 'technical data'.

"Use"

Operation, installation (including on-site installation), maintenance (checking), repair, overhaul and refurbishing. (ML21 and ML 22)

List of Military Equipment

Note 1: Terms in "quotations" are defined terms. Refer to 'Definitions of Terms used in this List' above.

Note 2: Chemicals are listed by name and CAS number. Chemicals of the same structural formula (including hydrates) are controlled regardless of name or CAS number. CAS numbers are shown to assist in identifying whether a particular chemical or mixture is controlled, irrespective of nomenclature. CAS numbers cannot be used as unique identifiers because some forms of the listed chemical have different CAS numbers, and mixtures containing a listed chemical may also have different CAS numbers.

ML1 Smooth-bore weapons with a calibre of less than 20 mm, other arms and automatic weapons with a calibre of 12,7 mm (calibre 0,50 inches) or less and accessories, as follows, and specially designed components therefor:

- a. Rifles, carbines, revolvers, pistols, machine pistols and machine guns:

Note ML1.a. does not control the following:

1. Muskets, rifles and carbines manufactured earlier than 1938;
2. Reproductions of muskets, rifles and carbines the originals of which were manufactured earlier than 1890;
3. Revolvers, pistols and machine guns manufactured earlier than 1890, and their reproductions;

- b. Smooth-bore weapons, as follows:

1. Smooth-bore weapons specially designed for military use;
2. Other smooth-bore weapons, as follows:
 - a. Of the fully automatic type;
 - b. Of the semi-automatic or pump-action type;

- c. Weapons using caseless ammunition;

- d. Silencers, special gun-mountings, clips, weapons sights and flash

suppressers for arms controlled by sub-items ML1.a., ML1.b. or ML1.c..

Note 1 ML1 does not control smooth-bore weapons used for hunting or sporting purposes. These weapons must not be specially designed for military use or of the fully automatic firing type.

Note 2 ML1 does not control firearms specially designed for dummy ammunition and which are incapable of firing any controlled ammunition.

Note 3 ML1 does not control weapons using non-centre fire cased ammunition and which are not of the fully automatic firing type.

Note 4 ML1.d. does not control optical weapon sights without electronic image processing, with a magnification of 4 times or less, provided they are not specially designed or modified for military use.

ML2 Smooth-bore weapons with a calibre of 20 mm or more, other weapons or armament with a calibre greater than 12,7 mm (calibre 0,50 inches), projectors and accessories, as follows, and specially designed components therefor:

- a. Guns, howitzers, cannon, mortars, anti-tank weapons, projectile launchers, military flame throwers, recoilless rifles and signature reduction devices therefor;

Note ML2.a. includes injectors, metering devices, storage tanks and other specially designed components for use with liquid propelling charges for any of the equipment controlled by ML2.a..

- b. Military smoke, gas and pyrotechnic projectors or generators;

Note ML2.b. does not control signal pistols.

- c. Weapons sights.

ML3 Ammunition and fuze setting devices, as follows, and specially designed components therefor:

- a. Ammunition for the weapons controlled by ML1, ML2 or ML12;
- b. Fuze setting devices specially designed for ammunition controlled by ML3.a.

Note 1 Specially designed components include:

- a. Metal or plastic fabrications such as primer anvils, bullet cups, cartridge links, rotating bands and munitions metal parts;
- b. Safing and arming devices, fuzes, sensors and initiation devices;
- c. Power supplies with high one-time operational output;
- d. Combustible cases for charges;
- e. Submunitions including bomblets, minelets and terminally guided projectiles.

Note 2 ML3.a. does not control ammunition crimped without a projectile (blankstar) and dummy ammunition with a pierced powder chamber.

Note 3 ML3.a. does not control cartridges specially designed for any of the following purposes:

- a. Signalling;
- b. Bird scaring; or
- c. Lighting of gas flares at oil wells.

ML4 Bombs, torpedoes, rockets, missiles, other explosive devices and charges and related equipment and accessories, as follows, specially designed for military use, and specially designed components therefor:

N.B. For guidance and navigation equipment, see ML11, Note 7.

- a. Bombs, torpedoes, grenades, smoke canisters, rockets, mines, missiles, depth charges, demolition-charges, demolition-devices and demolition-kits, "pyrotechnic" devices, cartridges and simulators (i.e. equipment simulating the characteristics of any of these items);

Note ML4.a. includes:

1. *Smoke grenades, fire bombs, incendiary bombs and explosive devices;*
2. *Missile rocket nozzles and re-entry vehicle nosetips.*

- b. Equipment specially designed for the handling, control, activation, powering with one-time operational output, launching, laying, sweeping, discharging, decoying, jamming, detonation or detection of items controlled by ML4.a.

Note ML4.b. includes:

1. *Mobile gas liquefying equipment capable of producing 1 000 kg or more per day of gas in liquid form;*
2. *Buoyant electric conducting cable suitable for sweeping magnetic mines.*

Technical Note

Hand-held devices, limited by design solely to the detection of metal objects and incapable of distinguishing between mines and other metal objects, are not considered to be specially designed for the detection of items controlled by ML4.a..

ML5 Fire control, and related alerting and warning equipment, and related systems, test and alignment and countermeasure equipment, as follows, specially designed for military use, and specially designed components and accessories therefor:

- a. Weapon sights, bombing computers, gun laying equipment and weapon control systems;
- b. Target acquisition, designation, range-finding, surveillance or tracking systems; detection, data fusion, recognition or identification equipment; and sensor integration equipment;
- c. Countermeasure equipment for items controlled by ML5.a. or ML5.b.;
- d. Field test or alignment equipment, specially designed for items controlled by ML5.a. or ML5.b.

ML6 Ground vehicles and components, as follows:

N.B. For guidance and navigation equipment, see ML11, Note 7.

- a. Ground vehicles and components therefor, specially designed or modified for military use

Technical Note

For the purposes of ML6.a. the term ground vehicles includes trailers.

- b. All wheel-drive vehicles capable of off-road use which have been manufactured or fitted with materials to provide ballistic protection to level III (NIJ 0108.01, September 1985, or comparable national

standard) or better.

N.B. See also ML13.a..

Note 1 ML6.a. includes:

- a. Tanks and other military armed vehicles and military vehicles fitted with mountings for arms or equipment for mine laying or the launching of munitions controlled under ML4;
- b. Armoured vehicles;
- c. Amphibious and deep water fording vehicles;
- d. Recovery vehicles and vehicles for towing or transporting ammunition or weapon systems and associated load handling equipment.

Note 2 Modification of a ground vehicle for military use controlled by ML6.a. entails a structural, electrical or mechanical change involving one or more specially designed military components. Such components include:

- a. Pneumatic tyre casings of a kind specially designed to be bullet-proof or to run when deflated;
- b. Tyre inflation pressure control systems, operated from inside a moving vehicle;
- c. Armoured protection of vital parts, (e.g., fuel tanks or vehicle cabs);
- d. Special reinforcements or mountings for weapons.
- e. Black-out lighting.

Note 3 ML6 does not control civil automobiles, or trucks designed or modified for transporting money or valuables, having armoured or ballistic protection.

ML7 Chemical or biological toxic agents, "riot control agents", radioactive materials, related equipment, components and materials as follows:

- a. Biological agents and radioactive materials "adapted for use in war" to produce casualties in humans or animals, degrade equipment or damage crops or the environment;
- b. Chemical warfare (CW) agents including:
 1. CW nerve agents:
 - a. O-Alkyl (equal to or less than C10, including cycloalkyl) alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) -phosphonofluoridates, such as:
Sarin (GB):O-Isopropyl methylphosphonofluoridate (CAS 107-44-8); and Soman (GD):O-Pinacolyl methylphosphonofluoridate (CAS 96-64-0);
 - b. O-Alkyl (equal to or less than C10, including cycloalkyl) N,N-dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphoramidocyanidates, such as: Tabun (GA):O-Ethyl N,N-dimethylphosphoramidocyanidate (CAS 77-81-6);
 - c. O-Alkyl (H or equal to or less than C10, including cycloalkyl) S-2-dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl)-aminoethyl alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphonothiolates and corresponding alkylated and protonated salts, such as:
VX: O-Ethyl S-2-diisopropylaminoethyl methyl phosphonothiolate (CAS 50782-69-9);

2. CW vesicant agents:
 - a. Sulphur mustards, such as:
 1. 2-Chloroethylchloromethylsulphide (CAS 2625-76-5);
 2. Bis(2-chloroethyl) sulphide (CAS 505-60-2);
 3. Bis(2-chloroethylthio) methane (CAS 63869-13-6);
 4. 1,2-bis (2-chloroethylthio) ethane (CAS 3563-36-8);
 5. 1,3-bis (2-chloroethylthio) -n-propane (CAS 63905-10-2);
 6. 1,4-bis (2-chloroethylthio) -n-butane (CAS 142868-93-7);
 7. 1,5-bis (2-chloroethylthio) -n-pentane (CAS 142868-94-8);
 8. Bis (2-chloroethylthiomethyl) ether (CAS 63918-90-1);
 9. Bis (2-chloroethylthioethyl) ether (CAS 63918-89-8);
 - b. Lewisites, such as:
 1. 2-chlorovinylchloroarsine (CAS 541-25-3);
 2. Tris (2-chlorovinyl) arsine (CAS 40334-70-1);
 3. Bis (2-chlorovinyl) chloroarsine (CAS 40334-69-8);
 - c. Nitrogen mustards, such as:
 1. HN1: bis (2-chloroethyl) ethylamine (CAS 538-07-8);
 2. HN2: bis (2-chloroethyl) methylamine (CAS 51-75-2);
 3. HN3: tris (2-chloroethyl) amine (CAS 555-77-1);
3. CW incapacitating agents, such as:
 - a. 3-Quinuclidinyl benzilate (BZ) (CAS 6581-06-2);
4. CW defoliants, such as:
 - a. Butyl 2-chloro-4-fluorophenoxyacetate (LNF);
 - b. 2,4,5-trichlorophenoxyacetic acid mixed with 2,4-dichlorophenoxyacetic acid (Agent Orange).
- c. CW binary precursors and key precursors, as follows:
 1. Alkyl (Methyl, Ethyl, n-Propyl or Isopropyl Phosphonyl Difluorides, such as:
DF: Methyl Phosphonyldifluoride (CAS 676-99-3);
 2. O-Alkyl (H or equal to or less than C10, including cycloalkyl) O-2-dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) aminoethyl alkyl (Methyl, Ethyl, n Propyl or Isopropyl) phosphonites and corresponding alkylated and protonated salts, such as:
QL: O-Ethyl-2-di-isopropylaminoethyl methylphosphonite (CAS 57856-11-8);
 3. Chlorosarin: O-Isopropyl methylphosphonochloridate (CAS 1445-76-7);
 4. Chlorosoman: O-Pinacolyl methylphosphonochloridate (CAS 7040-57-5);
- d. "Riot control agents", active constituent chemicals and combinations thereof, including:
 1. α -Bromobenzeneacetonitrile, (Bromobenzyl cyanide) (CA) (CAS 5798-79-8);

2. [(2-chlorophenyl) methylene] propanedinitrile, (o-Chlorobenzylidene)malononitrile (CS) (CAS 2698-41-1);
 3. 2-Chloro-1-phenylethanone, Phenylacetyl chloride (o-chloroacetophenone) (CN) (CAS 532-27-4);
 4. Dibenz-(b,f)-1,4-oxazepine, (CR) (CAS 257-07-8);
 5. 10-Chloro-5,10-dihydrophenarsazine, (Phenarsazine chloride), (Adamsite), (DM) (CAS 578-94-9);
 6. N-Nonanoylmorpholine, (MPA) (CAS 5299-64-9);
- Note 1* ML7.d. does not control "riot control agents" individually packaged for personal self defence purposes
- Note 2* ML7.d. does not control active constituent chemicals and combinations thereof identified and packaged for food production or medical purposes.
- e. Equipment specially designed or modified for military use, for the dissemination of any of the following and specially designed components therefor:
 1. Materials or agents controlled by ML7.a., ML7.b. or ML 7d.; or
 2. CW made up of precursors controlled by ML7.c.
 - f. Protective and decontamination equipment, specially designed components therefor, and specially formulated chemical mixtures, as follows:
 1. Equipment specially designed or modified for military use, for defence against materials controlled by ML7.a., ML7.b. or ML7.d. and specially designed components therefor;
 2. Equipment specially designed or modified for military use, for the decontamination of objects contaminated with materials controlled by ML7.a. or ML7.b. and specially designed components therefor;
 3. Chemical mixtures specially developed/formulated for the decontamination of objects contaminated with materials controlled by ML7.a. or ML7.b.

Note ML7.f.1. includes:

 - a. Air conditioning units specially designed or modified for nuclear, biological or chemical filtration;
 - b. Protective clothing

N.B. For civil gas masks, protective and decontamination equipment see also entry IA004 on the EU Dual-Use List.
 - g. Equipment specially designed or modified for military use, for the detection or identification of materials controlled by ML7.a. or ML7.b. or ML7.d. and specially designed components therefor;

Note ML7.g. does not control personal radiation monitoring dosimeters.

N.B. See also entry IA004 on the EU Dual-Use List.
 - h. "Biopolymers" specially designed or processed for the detection or identification of CW agents controlled by ML7.b., and the cultures of specific cells used to produce them;
 - i. "Biocatalysts" for the decontamination or degradation of CW agents, and biological systems therefor, as follows:

1. "Biocatalysts" specially designed for the decontamination or degradation of CW agents controlled by ML7.b. resulting from directed laboratory selection or genetic manipulation of biological systems;
2. Biological systems, as follows{ "expression vectors", viruses or cultures of cells containing the genetic information specific to the production of "biocatalysts" controlled by ML7.i.1.;

Note 1 *ML7.b. and ML7.d. do not control:*

- a. Cyanogen chloride (CAS 506-77-4). See 1C450.a.5. on the EU Dual-Use List;
- b. Hydrocyanic acid (CAS 74-90-8);
- c. Chlorine (CAS 7782-50-5);
- d. Carbonyl chloride (phosgene) (CAS 75-44-5). See 1C450.a.4. on the EU Dual-Use List;
- e. Diphosgene (trichloromethyl-chloroformate) (CAS 503-38-8);
- f. Deleted;
- g. Xylyl bromide, ortho: (CAS 89-92-9), meta: (CAS 620-13-3), para: (CAS 104-81-4);
- h. Benzyl bromide (CAS 100-39-0);
- i. Benzyl iodide (CAS 620-05-3);
- j. Bromo acetone (CAS 598-31-2);
- k. Cyanogen bromide (CAS 506-68-3);
- l. Bromo methylethylketone (CAS 816-40-0);
- m. Chloro acetone (CAS 78-95-5);
- n. Ethyl iodoacetate (CAS 623-48-3);
- o. Iodo acetone (CAS 3019-04-3);
- p. Chloropicrin (CAS 76-06-2). See 1C450.a.7. on the EU Dual-Use List.

Note 2 *The cultures of cells and biological systems listed in ML7.h. and ML7.i.2. are exclusive and these sub-items do not control cells or biological systems for civil purposes, such as agricultural, pharmaceutical, medical, veterinary, environmental, waste management, or in the food industry.*

ML8 "Energetic materials", and related substances, as follows:

N.B. See also 1C011 on the EU Dual-Use List

Technical Notes

1. *For the purposes of this entry, mixture refers to a composition of two or more substances with at least one substance being listed in the ML8 sub-items.*

2. *Any substance listed in the ML8 sub-items is controlled by this list, even when utilized in an application other than that indicated. (e.g., TAGN is predominantly used as an explosive but can also be used either as a fuel or an oxidizer.)*

- a. "Explosives", as follows, and mixtures thereof:
 1. ADNBF (aminodinitrobenzofuroxan or 7-amino-4,6-dinitrobenzofurazane-1oxide) (CAS 97096-78-1);
 2. BNCP (cis-bis (5-nitrotetrazolato) tetra amine-cobalt (III)

- perchlorate) (CAS 117412-28-9);
3. CL-14 (diamino dinitrobenzofuroxan or 5,7-diamino-4,6-dinitrobenzofurazane-1-oxide) (CAS 117907-74-1);
 4. CL-20 (HNIW or Hexanitrohexaazaisowurtzitane) (CAS 135285-90-4); clathrates of CL-20 (see also ML8.g.3. and g.4. for its "precursors");
 5. CP (2-(5-cyanotetrazolato) penta amine-cobalt (III) perchlorate) (CAS 7024732-4);
 6. DADE (1,1-diamino-2,2-dinitroethylene, FOX7);
 7. DATB (diaminotrinitrobenzene) (CAS 1630-08-6);
 8. DDFP (1,4-dinitrodifurazanopiperazine);
 9. DDPO (2,6-diamino-3,5-dinitropyrazine-1-oxide, PZO) (CAS 194486-77-6);
 10. DIPAM (3,3'-diamino-2,2',4,4',6,6'-hexanitrobiphenyl or dipicramide) (CAS 17215-44-0);
 11. DNGU (DINGU or dinitroglycoluril) (CAS 55510-04-8);
 12. Furazans, as follows:
 - a. DAAOF (diaminoazoxyfurazan);
 - b. DAAzF (diaminoazofurazan) (CAS 78644-90-3);
 13. HMX and derivatives (see also ML8.g.5. for its "precursors"), as follows:
 - a. HMX (Cyclotetramethylenetetranitramine, octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazine, 1,3,5,7-tetranitro-1,3,5,7-tetraza-cyclooctane, octogen or octogene) (CAS 2691-41-0);
 - b. difluoroaminated analogs of HMX;
 - c. K-55 (2,4,6,8-tetranitro-2,4,6,8-tetraazabicyclo [3,3,0]-octanone-3, tetranitrosemiglycouril or keto-bicyclic HMX) (CAS 130256-72-3);
 14. HNAD (hexanitroadamantane) (CAS 143850-71-9);
 15. HNS (hexanitrostilbene) (CAS 20062-22-0);
 16. Imidazoles, as follows:
 - a. BNNII (Octahydro-2,5-bis(nitroimino)imidazo [4,5-d]imidazole);
 - b. DNI (2,4-dinitroimidazole) (CAS 5213-49-0);
 - c. FDIA (1-fluoro-2,4-dinitroimidazole);
 - d. NTDNIA (N-(2-nitrotriazolo)-2,4-dinitroimidazole);
 - e. PTIA (1-picryl-2,4,5-trinitroimidazole);
 17. NTNMH (1-(2-nitrotriazolo)-2-dinitromethylene hydrazine);
 18. MTO (ONTA or 3-nitro-1,2,4-triazol-5-one) (CAS 932-64-9);
 19. Polynitrocubanes with more than four nitro groups;
 20. PYX (2,6-Bis(picrylamino)-3,5-dinitropyridine) (CAS 38082-89-2);
 21. RDX and derivatives, as follows:
 - a. RDX (cyclotrimethylenetrinitramine, cyclonite, T4, hexahydro-1,3,5-trinitro-1,3,5-triazine, 1,3,5-trinitro-1,3,5-triaza-cyclohexane, hexogen or hexogene) (CAS 121-82-4);

- b. Keto-RDX (K-6 or 2,4,6-trinitro-2,4,6-triazacyclohexanone) (CAS 115029-35-1);
 22. TAGN (triaminoguanidinenitrate) (CAS 4000-16-2);
 23. TATB (triaminotrinitrobenzene) (CAS 3058-38-6) (see also ML8.g.7 for its "precursors");
 24. TEDDZ (3,3,7,7-tetrakis(difluoroamine) octahydro-1,5-dinitro-1,5-diazocine);
 25. Tetrazoles, as follows:
 - a. NTAT (nitrotriazol aminotetrazole);
 - b. NTNT (1-N-(2-nitrotriazolo)-4-nitrotetrazole);
 26. Tetryl (trinitrophenylmethylnitramine) (CAS 479-45-8);
 27. TNAD (1,4,5,8-tetranitro-1,4,5,8-tetraazadecalin) (CAS 135877-16-6) (see also ML8.g.6. for its "precursors");
 28. TNAZ (1,3,3-trinitroazetidine) (CAS 97645-24-4) (see also ML8.g.2. for its "precursors");
 29. TNGU (SORGUYL or tetranitroglycoluril) (CAS 55510-03-7);
 30. TNP (1,4,5,8-tetranitro-pyridazino[4,5-d]pyridazine) (CAS 229176-04-9);
 31. Triazines, as follows:
 - a. DNAM (2-oxy-4,6-dinitroamino-s-triazine) (CAS 19899-80-0);
 - b. NNHT (2-nitroimino-5-nitro-hexahydro-1,3,5-triazine) (CAS 130400-134);
 32. Triazoles, as follows:
 - a. 5-azido-2-nitrotriazole;
 - b. ADHTDN (4-amino-3,5-dihydrazino-1,2,4-triazole dinitramide) (CAS 1614-08-0);
 - c. ADNT (1-amino-3,5-dinitro-1,2,4-triazole);
 - d. BDNTA ([bis-dinitrotriazole]amine);
 - e. DBT (3,3'-dinitro-5,5-bi-1,2,4-triazole) (CAS 30003-46-4);
 - f. DNBT (dinitrobistriazole) (CAS 70890-46-9);
 - g. NTDNA (2-nitrotriazole 5-dinitramide) (CAS 75393-84-9);
 - h. NTDNT (1-N-(2-nitrotriazolo) 3,5-dinitrotriazole);
 - i. PDNT (1-picryl-3,5-dinitrotriazole);
 - j. TACOT (tetranitrobenzotriazolobenzotriazole) (CAS 25243-36-1);
 33. Any explosive not listed elsewhere in ML8.a. with a detonation velocity exceeding 8 700 m/s at maximum density or a detonation pressure exceeding 34 GPa (340 kbar);
 34. Other organic explosives not listed elsewhere in ML8.a. yielding detonation pressures of 25 GPa (250 kbar) or more that will remain stable at temperatures of 523K (250°C) or higher for periods of 5 minutes or longer.
- b. "Propellants", as follows:
1. Any United Nations (UN) Class 1.1 solid "propellant" with a theoretical specific impulse (under standard conditions) of more than 250 seconds for non-metallized, or more than 270 seconds

- for aluminized compositions;
2. Any UN Class 1.3 solid "propellant" with a theoretical specific impulse (under standard conditions) of more than 230 seconds for non-halogenized, 250 seconds for non-metallized compositions and 266 seconds for metallized compositions;
 3. "Propellants" having a force constant of more than 1 200 kJ/kg;
 4. "Propellants" that can sustain a steady-state linear burning rate of more than 38 mm/s under standard conditions (as measured in the form of an inhibited single strand) of 6,89 MPa (68,9 bar) pressure and 294K (21°C);
 5. Elastomer modified cast double base (EMCDB) "propellants" with extensibility at maximum stress of more than 5% at 233K (-40°C);
 6. Any "propellant" containing substances listed in ML8.a..
- c. "Pyrotechnics", fuels and related substances, as follows, and mixtures thereof:
1. Aircraft fuels specially formulated for military purposes;
 2. Alane (aluminum hydride) (CAS 7784-21-6);
 3. Carboranes; decaborane (CAS 17702-41-9); pentaboranes (CAS 19624-22-7 and 18433-84-6) and their derivatives;
 4. Hydrazine and derivatives, as follows (see also ML8.d.8. and d.9. for oxidising hydrazine derivatives):
 - a. Hydrazine (CAS 302-01-2) in concentrations of 70% or more;
 - b. Monomethyl hydrazine (CAS 60-34-4);
 - c. Symmetrical dimethyl hydrazine (CAS 540-73-8);
 - d. Unsymmetrical dimethyl hydrazine (CAS 57-14-7);
 5. Metal fuels in particle form whether spherical, atomized, spheroidal, flaked or ground, manufactured from material consisting of 99 % or more of any of the following
 - a. Metals and mixtures thereof, as follows:
 1. Beryllium (CAS 7440-41-7) in particle sizes of less than 60 µm;
 2. Iron powder (CAS 7439-89-6) with particle size of 3 µm or less produced by reduction of iron oxide with hydrogen;
 - b. Mixtures, which contain any of the following:
 1. Zirconium (CAS 7440-67-7), magnesium (CAS 7439-95-4) or alloys of these in particle sizes of less than 60 µm;
 2. Boron (CAS 7440-42-8) or boron carbide (CAS 12069-32-8) fuels of 85% purity or higher and particle sizes of less than 60 µm;
 6. Military materials containing thickeners for hydrocarbon fuels specially formulated for use in flame throwers or incendiary munitions, such as metal stearates or palmates (e.g. octal (CAS 637-12-7)) and M1, M2, and M3 thickeners;
 7. Perchlorates, chlorates and chromates composited with powdered metal or other high energy fuel components;

8. Spherical aluminum powder (CAS 7429-90-5) with a particle size of 60 µm or less, manufactured from material with an aluminum content of 99% or more;
9. Titanium subhydride (TiH_n) of stoichiometry equivalent to n = 0.65-1.68.

Note 1 Aircraft fuels controlled by ML8.c.1. are finished products not their constituents.

Note 2 ML8.c.4.a. does not control hydrazine mixtures specially formulated for corrosion control.

Note 3 Explosives and fuels containing the metals or alloys listed in ML8.c.5. are controlled whether or not the metals or alloys are encapsulated in aluminum, magnesium, zirconium, or beryllium.

Note 4 ML8.c.5.b.2. does not control boron and boron carbide enriched with boron-10 (20% or more of total boron-10 content.)

d. Oxidizers, as follows, and mixtures thereof:

1. ADN (ammonium dinitramide or SR 12) (CAS 140456-78-6);
2. AP (ammonium perchlorate) (CAS 7790-98-9);
3. Compounds composed of fluorine and any of the following:
 - a. Other halogens;
 - b. Oxygen; or
 - c. Nitrogen;

Note 1. ML8.d.3 does not control chlorine trifluoride. See IC238 on the EU Dual-Use List

Note 2. ML8.d.3 does not control nitrogen trifluoride in its gaseous state.

4. DNAD (1,3-dinitro-1,3-diazetidine) (CAS 78246-06-7);
5. HAN (hydroxylammonium nitrate) (CAS 13465-08-2);
6. HAP (hydroxylammonium perchlorate) (CAS 15588-62-2);
7. HNF (hydrazinium nitroformate) (CAS 20773-28-8);
8. Hydrazine nitrate (CAS 37836-27-4);
9. Hydrazine perchlorate (CAS 27978-54-7);
10. Liquid oxidisers comprised of or containing inhibited red fuming nitric acid (IRFNA) (CAS 8007-58-7);

Note ML8.d.10 does not control non-inhibited fuming nitric acid.

e. Binders, plasticizers, monomers, polymers, as follows:

1. AMMO (azidomethylmethyloxetane and its polymers) (CAS 90683-29-7) (see also ML8.g.1. for its "precursors");
2. BAMO (bisazidomethylmethyloxetane and its polymers) (CAS 17607-20-4) (see also ML8.g.1. for its "precursors");
3. BDNPA (bis (2,2-dinitropropyl)acetal) (CAS 5108-69-0);
4. BDNPF (bis (2,2-dinitropropyl)formal) (CAS 5917-61-3);
5. BTTN (butanetrioltrinitrate) (CAS 6659-60-5) (see also ML8.g.8. for its "precursors");
6. Energetic monomers, plasticizers and polymers containing nitro,

- azido, nitrate, nitraza or difluoroamino groups specially formulated for military use;
7. FAMA0 (3-difluoroaminomethyl-3-azidomethyl oxetane) and its polymers;
 8. FEFO (bis-(2-fluoro-2,2-dinitroethyl) formal) (CAS 17003-79-1);
 9. FPF-1 (poly-2,2,3,3,4,4-hexafluoropentane-1,5-diol formal) (CAS 376-90-9);
 10. FPF-3 (poly-2,4,4,5,5,6,6-heptafluoro-2-tri-fluoromethyl-3-oxaheptane-1,7diol formal);
 11. GAP (glycidylazide polymer) (CAS 143178-24-9) and its derivatives;
 12. HTPB (hydroxyl terminated polybutadiene) with a hydroxyl functionality equal to or greater than 2,2 and less than or equal to 2,4, a hydroxyl value of less than 0,77 meq/g, and a viscosity at 30°C of less than 47 poise (CAS 69102-90-5);
 13. Low (less than 10 000) molecular weight, alcohol functionalised, poly(epichlorohydrin)[poly(epichlorohydrindiol) and triol];
 14. NENAs (nitrateethylnitramine compounds) (CAS 17096-47-8, 85068-73-1, 82486-83-7, 82486-82-6 and 85954-06-9);
 15. PGN (poly-GLYN, polyglycidylnitrate or poly(nitratomethyl oxirane) (CAS 27814-48-8);
 16. Poly-NIMMO (poly nitratomethylmethyloxetane) or poly-NMMO (poly[3Nitratomethyl-3-methyloxetane]) (CAS 84051-81-0);
 17. Polynitroorthocarbonates;
 18. TVOPA (1,2,3-tris[1,2-bis(difluoroamino)ethoxy] propane or tris vinoxyl propane adduct) (CAS 53159-39-0).
- f. Additives, as follows:
1. Basic copper salicylate (CAS 62320-94-9);
 2. BHEGA (bis-(2-hydroxyethyl) glycolamide) (CAS 17409-41-5);
 3. BNO (butadienenitrileoxide) (CAS 9003-18-3);
 4. Ferrocene derivatives, as follows:
 - a. Butacene (CAS 125856-62-4);
 - b. Catocene (2,2-bis-ethylferrocenyl propane) (CAS 37206-42-1);
 - c. Ferrocene carboxylic acids;
 - d. n-butyl-ferrocene (CAS 31904-29-7);
 - e. Other adducted polymer ferrocene derivatives;
 5. Lead beta-resorcylate (CAS 20936-32-7);
 6. Lead citrate (CAS 14450-60-3);
 7. Lead-copper chelates of beta-resorcylate or salicylates (CAS 68411-07-4);
 8. Lead maleate (CAS 19136-34-6);
 9. Lead salicylate (CAS 15748-73-9);
 10. Lead stannate (CAS 12036-31-6);
 11. MAPO (tris-1-(2-methyl)aziridinyl phosphine oxide) (CAS 57-39-6); BOBBA 8 (bis(2-methyl aziridinyl) 2-(2-hydroxypropanoxy) propylamino phosphine oxide); and other

- MAPO derivatives;
12. Methyl BAPO (bis(2-methyl aziridiny) methylamino phosphine oxide) (CAS 85068-72-0);
 13. N-methyl-p-nitroaniline (CAS 100-15-2);
 14. 3-Nitroazirane-1,5-pentane diisocyanate (CAS 7406-61-9);
 15. Organo-metallic coupling agents, as follows:
 - a. Neopentyl[diallyl]oxy, tri[diethyl]phosphato-titanate (CAS 103850-22-2); also known as titanium IV, 2,2[bis 2-propenolato-methyl, butanolato, tris (diethyl) phosphato] (CAS 110438-25-0); or LICA 12 (CAS 103850-222);
 - b. Titanium IV, [(2-propenolato-1) methyl, n-propanolatomethyl] butanolato-1, tris[diethyl] pyrophosphate or KR3538;
 - c. Titanium IV, [(2-propenolato-1)methyl, n-propanolatomethyl] butanolato-1, tris(diethyl)phosphate;
 16. Polycyanodifluoroaminoethyleneoxide;
 17. Polyfunctional aziridine amides with isophthalic, trimesic (BITA or butylene imine trimesamide), isocyanuric or trimethyladipic backbone structures and 2methyl or 2-ethyl substitutions on the aziridine ring;
 18. Propyleneimine (2-methylaziridine) (CAS 75-55-8);
 19. Superfine iron oxide (Fe₂O₃) with a specific surface area more than 250 m²/g and an average particle size of 3,0 nm or less;
 20. TEPAN (tetraethylenepentaamineacrylonitrile) (CAS 68412-45-3); cyanoethylated polyamines and their salts;
 21. TEPANOL (tetraethylenepentaamineacrylonitrileglycidol) (CAS 68412-46-4); cyanoethylated polyamines adducted with glycidol and their salts;
 22. TPB (triphenyl bismuth) (CAS 603-33-8).
- g. "Precursors", as follows
- N.B. In ML8.g. the references are to controlled "Energetic Materials" manufactured from these substances.
1. CMO (bischloromethyloxetane) (CAS 142173-26-0) (see also ML8.e.1. and e.2.);
 2. Dinitroazetidide-t-butyl salt (CAS 125735-38-8) (see also ML8.a.28.);
 3. HBIW (hexabenzylhexaazaisowurtzitane) (CAS 124782-15-6) (see also ML8.a.4.);
 4. TAIW (tetraacetyldibenzylhexaazaisowurtzitane) (see also ML8.a.4.);
 5. TAT (1,3,5,7 tetraacetyl-1,3,5,7,-tetraaza cyclo-octane) (CAS 41378-98-7) (see also ML8.a.13.);
 6. 1,4,5,8-tetraazadecalin (CAS 5409-42-7) (see also ML8.a.27.);
 7. 1,3,5-trichlorobenzene (CAS 108-70-3) (see also ML8.a.23.);
 8. 1,2,4-trihydroxybutane (1,2,4-butanetriol) (CAS 3068-00-6) (see also ML8.e.5.).

Note 5 For charges and devices see ML4.

Note 6 ML8 does not control the following substances unless they are

compounded or mixed with the "energetic material" mentioned in ML8.a. or powdered metals in ML8.c.:

- a. Ammonium picrate;
- b. Black powder;
- c. Hexanitrodiphenylamine;
- d. Difluoroamine;
- e. Nitrostarch;
- f. Potassium nitrate;
- g. Tetranitronaphthalene;
- h. Trinitroanisol;
- i. Trinitronaphthalene;
- j. Trinitroxylene;
- k. N-pyrrolidinone; 1-methyl-2-pyrrolidinone;
- l. Dioctylmaleate;
- m. Ethylhexylacrylate;
- n. Triethylaluminium (TEA), trimethylaluminium (TMA), and other pyrophoric metal alkyls and aryls of lithium, sodium, magnesium, zinc or boron;
- o. Nitrocellulose;
- p. Nitroglycerin (or glyceroltrinitrate, trinitroglycerine) (NG);
- q. 2,4,6-trinitrotoluene (TNT);
- r. Ethylenediaminedinitrate (EDDN);
- s. Pentaerythritoltetranitrate (PETN);
- t. Lead azide, normal and basic lead styphnate, and primary explosives or priming compositions containing azides or azide complexes;
- u. Triethyleneglycoldinitrate (TEGDN);
- v. 2,4,6-trinitroresorcinol (styphnic acid);
- w. Diethyldiphenyl urea; dimethyldiphenyl urea; methylethyldiphenyl urea [Centralites];
- x. N,N-diphenylurea (unsymmetrical diphenylurea);
- y. Methyl-N,N-diphenylurea (methyl unsymmetrical diphenylurea);
- z. Ethyl-N,N-diphenylurea (ethyl unsymmetrical diphenylurea);
- aa. 2-Nitrodiphenylamine (2-NDPA);
- bb. 4-Nitrodiphenylamine (4-NDPA);
- cc. 2,2-dinitropropanol;
- dd. Nitroguanidine (see IC011.d. on the EU Dual-Use List).

ML9 Vessels of war, special naval equipment and accessories, as follows, and components therefor, specially designed for military use:

N.B. For guidance and navigation equipment, see ML11, Note 7.

- a. Combatant vessels and vessels (surface or underwater) specially designed or modified for offensive or defensive action, whether or not converted to non military use, regardless of current state of repair or

operating condition, and whether or not they contain weapon delivery systems or armour, and hulls or parts of hulls for such vessels;

- b. Engines, as follows:
 1. Diesel engines specially designed for submarines with both of the following characteristics:
 - a. A power output of 1,12 MW (1 500 hp.) or more; and
 - b. A rotary speed of 700 rpm or more;
 2. Electric motors specially designed for submarines having all of the following characteristics:
 - a. A power output of more than 0,75 MW (1 000 hp.);
 - b. Quick reversing;
 - c. Liquid cooled; and
 - d. Totally enclosed;
 3. Non-magnetic diesel engines specially designed for military use with a power output of 37,3 kW (50 hp.) or more and with a non-magnetic content in excess of 75% of total mass;
- c. Underwater detection devices specially designed for military use and controls thereof;
- d. Submarine and torpedo nets;
- e. Not used;
- f. Hull penetrators and connectors specially designed for military use that enable interaction with equipment external to a vessel;

Note ML9.f. includes connectors for vessels which are of the singleconductor, multi-conductor, coaxial or waveguide type, and hull penetrators for vessels, both of which are capable of remaining impervious to leakage from without and of retaining required characteristics at marine depths exceeding 100 m; and fibre-optic connectors and optical hull penetrators specially designed for "laser" beam transmission regardless of depth. It does not include ordinary propulsive shaft and hydrodynamic control-rod hull penetrators.
- g. Silent bearings, with gas or magnetic suspension, active signature or vibration suppression controls, and equipment containing those bearings, specially designed for military use.

ML10 "Aircraft", "lighter-than-air vehicles", unmanned airborne vehicles, aero-engines and "aircraft" equipment, related equipment and components, specially designed or modified for military use, as follows:

N.B. For guidance and navigation equipment, see ML11, Note 7.

- a. Combat "aircraft" and specially designed components therefor
- b. Other "aircraft" and "lighter-than-air vehicles" specially designed or modified for military use, including military reconnaissance, assault, military training, transporting and airdropping troops or military equipment, logistics support, and specially designed components therefor;
- c. Unmanned airborne vehicles and related equipment, specially designed or modified for military use, as follows, and specially designed components therefor:

1. Unmanned airborne vehicles including remotely piloted air vehicles (RPVs), autonomous programmable vehicles and "lighter-than-air vehicles";
2. Associated launchers and ground support equipment;
3. Related equipment for command and control;
- d. Aero-engines specially designed or modified for military use, and specially designed components therefor;
- e. Airborne equipment, including airborne refuelling equipment, specially designed for use with the "aircraft" controlled by ML10.a. or ML10.b. or the aero-engines controlled by ML10.d., and specially designed components therefor;
- f. Pressure refuellers, pressure refuelling equipment, equipment specially designed to facilitate operations in confined areas and ground equipment, developed specially for "aircraft" controlled by ML10.a. or ML10.b., or for aero-engines controlled by ML10.d.;
- g. Military crash helmets and protective masks and specially designed components therefor, pressurised breathing equipment and partial pressure suits for use in "aircraft", anti-g suits, liquid oxygen converters used for "aircraft" or missiles, and catapults and cartridge actuated devices for emergency escape of personnel from "aircraft";
- h. Parachutes and related equipment, used for combat personnel, cargo dropping or "aircraft" deceleration, as follows, and specially designed components therefor:
 1. Parachutes for:
 - a. Pin point dropping of rangers;
 - b. Dropping of paratroopers;
 2. Cargo parachutes;
 3. Paragliders, drag parachutes, drogue parachutes for stabilisation and attitude control of dropping bodies, (e.g. recovery capsules, ejection seats, bombs);
 4. Drogue parachutes for use with ejection seat systems for deployment and inflation sequence regulation of emergency parachutes;
 5. Recovery parachutes for guided missiles, drones or space vehicles;
 6. Approach parachutes and landing deceleration parachutes;
 7. Other military parachutes;
 8. Equipment specially designed for high altitude parachutists (e.g., suits, special helmets, breathing systems, navigation equipment);
- i. Automatic piloting systems for parachuted loads; equipment specially designed or modified for military use for controlled opening jumps at any height, including oxygen equipment.

Note 1 ML10.b. does not control "aircraft" or variants of those "aircraft" specially designed for military use which:

- a. *Are not configured for military use and are not fitted with equipment or attachments specially designed or modified for military use; and*
- b. *Have been certified for civil use by the civil aviation authority in*

a Wassenaar Arrangement participating state.

Note 2 *ML10.d. does not control:*

- a. Aero-engines designed or modified for military use which have been certified by civil aviation authorities in a Wassenaar Arrangement participating state for use in "civil aircraft", or specially designed components therefor;*
- b. Reciprocating engines or specially designed components therefor, except those specially designed for unmanned airborne vehicles.*

Note 3 *The control in ML10.b. and ML10.d. on specially designed components and related equipment for non-military "aircraft" or aero-engines modified for military use applies only to those military components and to military related equipment required for the modification to military use.*

ML11 Electronic equipment not controlled elsewhere on this List, as follows, and specially designed components therefor:

- a. Electronic equipment specially designed for military use[

Note *ML11 includes:*

- 1. Electronic countermeasure and electronic counter-countermeasure equipment (i.e., equipment designed to introduce extraneous or erroneous signals into radar or radio communication receivers or otherwise hinder the reception, operation or effectiveness of adversary electronic receivers including their countermeasure equipment), including jamming and counter-jamming equipment;*
- 2. Frequency agile tubes;*
- 3. Electronic systems or equipment designed either for surveillance and monitoring of the electro-magnetic spectrum for military intelligence or security purposes or for counteracting such surveillance and monitoring;*
- 4. Underwater countermeasures, including acoustic and magnetic jamming and decoy, equipment designed to introduce extraneous or erroneous signals into sonar receivers;*
- 5. Data processing security equipment, data security equipment and transmission and signalling line security equipment, using ciphering processes;*
- 6. Identification, authentication and keyloader equipment and key management, manufacturing and distribution equipment;*
- 7. Guidance and navigation equipment.*

- b. Global Navigation Satellite Systems (GNSS) jamming equipment.

ML12 High velocity kinetic energy weapon systems and related equipment, as follows, and specially designed components therefor:

- a. Kinetic energy weapon systems specially designed for destruction or effecting mission-abort of a target;
- b. Specially designed test and evaluation facilities and test models, including diagnostic instrumentation and targets, for dynamic testing of kinetic energy projectiles and systems.

N.B. For weapon systems using sub-calibre ammunition or employing solely chemical propulsion, and ammunition therefor, see ML1 to ML4.

Note 1 ML12 includes the following when specially designed for kinetic energy weapon systems

- a. Launch propulsion systems capable of accelerating masses larger than 0,1 g to velocities in excess of 1,6 km/s, in single or rapid fire modes;
- b. Prime power generation, electric armour, energy storage, thermal management, conditioning, switching or fuel-handling equipment; and electrical interfaces between power supply, gun and other turret electric drive functions;
- c. Target acquisition, tracking, fire control or damage assessment systems;
- d. Homing seeker, guidance or divert propulsion (lateral acceleration) systems for projectiles.

Note 2 ML12 controls weapon systems using any of the following methods of propulsion:

- a. Electromagnetic;
- b. Electrothermal;
- c. Plasma;
- d. Light gas; or
- e. Chemical (when used in combination with any of the above).

ML13 Armoured or protective equipment and constructions and components, as follows:

- a. Armoured plate as follows:
 1. Manufactured to comply with a military standard or specification; or
 2. Suitable for military use;
- b. Constructions of metallic or non-metallic materials or combinations thereof specially designed to provide ballistic protection for military systems, and specially designed components therefor;
- c. Military helmets;
- d. Body armour and protective garments manufactured according to military standards or specifications, or equivalent, and specially designed components therefor

N.B. For "fibrous or filamentary materials" used in the manufacture of body armour, see entry 1C010 on the EU Dual-Use List.

Note 1 ML13.b. includes materials specially designed to form explosive reactive armour or to construct military shelters.

Note 2 ML13.c. does not control conventional steel helmets, neither modified or designed to accept, nor equipped with any type of accessory device.

Note 3 ML13.d. does not control body armour or protective garments when accompanying their user for the user's own personal protection.

N.B. See also entry 1A005 on the EU Dual-Use List.

ML14 Specialised equipment for military training or for simulating military scenarios, simulators specially designed for training in the use of any firearm or weapon controlled by ML1 or ML2, and specially designed components and accessories therefor.

Technical Note The term 'specialised equipment for military training' includes military types of attack trainers, operational flight trainers, radar target trainers, radar target generators, gunnery training devices, anti-submarine warfare trainers, flight simulators (including human-rated centrifuges for pilot/astronaut training), radar trainers, instrument flight trainers, navigation trainers, missile launch trainers, target equipment, drone "aircraft", armament trainers, pilotless "aircraft" trainers, mobile training units and training equipment for ground military operations.

Note 1 ML14 includes image generating and interactive environment systems for simulators when specially designed or modified for military use.

Note 2 ML14 does not control equipment specially designed for training in the use of hunting or sporting weapons.

ML15 Imaging or countermeasure equipment, as follows, specially designed for military use, and specially designed components and accessories therefor:

- a. Recorders and image processing equipment;
- b. Cameras, photographic equipment and film processing equipment;
- c. Image intensifier equipment;
- d. Infrared or thermal imaging equipment;
- e. Imaging radar sensor equipment;
- f. Countermeasure or counter-countermeasure equipment for the equipment controlled by sub-items ML15.a. to ML15.e.

Note ML15.f. includes equipment designed to degrade the operation or effectiveness of military imaging systems or to minimize such degrading effects.

Note 1 The term 'specially designed components' includes the following when specially designed for military use:

- a. Infrared image converter tubes;
- b. Image intensifier tubes (other than first generation);
- c. Microchannel plates;
- d. Low-light-level television camera tubes;
- e. Detector arrays (including electronic interconnection or read out systems);
- f. Pyroelectric television camera tubes;
- g. Cooling systems for imaging systems;
- h. Electrically triggered shutters of the photochromic or electro-optical type having a shutter speed of less than 100 μ s, except in the case of shutters which are an essential part of a high speed camera;
- i. Fibre optic image inverters;
- j. Compound semiconductor photocathodes

Note 2 ML15 does not control "first generation image intensifier tubes" or equipment specially designed to incorporate "first generation image

intensifier tubes".

N.B. For the status of weapons sights incorporating "first generation image intensifier tubes" see entries ML1., ML2. and ML5.a.

N.B. See also entries 6A002.a.2. and 6A002.b. on the EU Dual-Use List.

ML16 Forgings, castings and other unfinished products the use of which in a controlled product is identifiable by material composition, geometry or function, and which are specially designed for any products controlled by ML1 to ML4, ML6, ML9, ML10, ML12 or ML19.

ML17 Miscellaneous equipment, materials and libraries, as follows, and specially designed components therefor:

- a. Self-contained diving and underwater swimming apparatus, as follows:
 1. Closed or semi-closed circuit (rebreathing) apparatus specially designed for military use (i.e. specially designed to be non magnetic);
 2. Specially designed components for use in the conversion of open-circuit apparatus to military use;
 3. Articles designed exclusively for military use with self-contained diving and underwater swimming apparatus;
- b. Construction equipment specially designed for military use;
- c. Fittings, coatings and treatments for signature suppression, specially designed for military use;
- d. Field engineer equipment specially designed for use in a combat zone;
- e. "Robots", "robot" controllers and "robot" "end-effectors", having any of the following characteristics:
 1. Specially designed for military use;
 2. Incorporating means of protecting hydraulic lines against externally induced punctures caused by ballistic fragments (e.g., incorporating self-sealing lines) and designed to use hydraulic fluids with flash points higher than 839 K (566°C); or
 3. Specially designed or rated for operating in an electro-magnetic pulse (EMP) environment;
- f. Libraries (parametric technical databases) specially designed for military use with equipment controlled by this List;
- g. Nuclear power generating equipment or propulsion equipment, including "nuclear reactors", specially designed for military use and components therefor specially designed or modified for military use;
- h. Equipment and material, coated or treated for signature suppression, specially designed for military use, other than those controlled elsewhere in this List;
- i. Simulators specially designed for military "nuclear reactors";
- j. Mobile repair shops specially designed or modified to service military equipment;
- k. Field generators specially designed or modified for military use;
- l. Containers specially designed or modified for military use;
- m. Ferries, other than those controlled elsewhere in this List, bridges and pontoons, specially designed for military use;

- n. Test models specially designed for the "development" of items controlled by ML4, ML6, ML9 or ML10;
- o. Laser protection equipment (e.g., eye and sensor protection) specially designed for military use.

Technical Notes

1. For the purpose of ML17, the term 'library' (parametric technical database) means a collection of technical information of a military nature, reference to which may enhance the performance of military equipment or systems.

2. For the purpose of ML17, 'modified' means any structural, electrical, mechanical, or other change that provides a non-military item with military capabilities equivalent to an item which is specially designed for military use.

ML18 Equipment for the production of products referred to in this List, as follows:

- a. Specially designed or modified production equipment for the production of products controlled by this List, and specially designed components therefor;
- b. Specially designed environmental test facilities and specially designed equipment therefor, for the certification, qualification or testing of products controlled by this List.

Technical Note

For the purposes of ML18, the term 'production' includes design, examination, manufacture, testing and checking.

Note 1 ML18.a. and ML18.b. include the following equipment;

- a. Continuous nitrators;
- b. Centrifugal testing apparatus or equipment having any of the following characteristics:
 - 1. Driven by a motor or motors having a total rated horsepower of more than 298 kW (400 hp);
 - 2. Capable of carrying a payload of 113 kg or more; or
 - 3. Capable of exerting a centrifugal acceleration of 8 g or more on a payload of 91 kg or more;
- c. Dehydration presses;
- d. Screw extruders specially designed or modified for military explosive extrusion;
- e. Cutting machines for the sizing of extruded propellants;
- f. Sweetie barrels (tumblers) 1,85 m or more in diameter and having over 227 kg product capacity;
- g. Continuous mixers for solid propellants;
- h. Fluid energy mills for grinding or milling the ingredients of military explosives;
- i. Equipment to achieve both sphericity and uniform particle size in metal powder listed in ML8.c.8.;
- j. Convection current converters for the conversion of materials listed in ML8.c.3.

Note 2 a. The term 'products referred to in this List' includes:

1. *Products not controlled if inferior to specified concentrations as follows:*
 - a. *Hydrazine (see ML8.c.4.);*
 - b. *"Explosives" (see ML8);*
 2. *Products not controlled if inferior to technical limits, (i.e., "superconductive" materials not controlled by 1C005 on the EU Dual-Use List; "superconductive" electromagnets not controlled by 3A001.e.3. on the EU Dual-Use List["superconductive" electrical equipment excluded from control under ML20.b.);*
 3. *Metal fuels and oxidants deposited in laminar form from the vapour phase (see ML8.c.5.);*
- b. *The term 'products referred to in this List' does not include:*
1. *Signal pistols (see ML2.b.);*
 2. *The substances excluded from control under Note 3 to ML7;*
 3. *Personal radiation monitoring dosimeters (see ML7.g) and masks for protection against specific industrial hazards, see also EU Dual-Use List;*
 4. *Difluoroamine and potassium nitrate powder (see Note 6 to ML8);*
 5. *Aero-engines excluded from control under ML10;*
 6. *Conventional steel helmets not equipped with, or modified or designed to accept, any type of accessory device (see Note 2 to ML13);*
 7. *Equipment fitted with industrial machinery, which is not controlled such as coating machinery not elsewhere specified and equipment for the casting of plastics;*
 8. *Muskets, rifles and carbines dated earlier than 1938, reproductions of muskets, rifles and carbines dated earlier than 1890, revolvers, pistols and machine guns dated earlier than 1890, and their reproductions.*

Note 3 *Note 2.b.8. of ML18 does not release from controls production equipment for non-antique small arms, even if used to produce reproductions of antique small arms.*

ML19 Directed energy weapon systems (DEW), related or countermeasure equipment and test models, as follows, and specially designed components therefor:

- a. *"Laser" systems specially designed for destruction or effecting mission-abort of a target;*
- b. *Particle beam systems capable of destruction or effecting mission-abort of a target;*
- c. *High power radio-frequency (RF) systems capable of destruction or effecting mission-abort of a target;*
- d. *Equipment specially designed for the detection or identification of, or defence against, systems controlled by ML19.a. to ML19.c.;*
- e. *Physical test models and related test results for the systems, equipment and components controlled by this Item;*
- f. *Continuous wave or pulsed "laser" systems specially designed to cause permanent blindness to unenhanced vision, i.e., to the naked eye or to the eye with corrective eyesight devices.*

Note 1 *Directed energy weapon systems controlled by ML19 include*

systems whose capability is derived from the controlled application of:

- a. "Lasers" of sufficient continuous wave or pulsed power to effect destruction similar to the manner of conventional ammunition;
- b. Particle accelerators which project a charged or neutral particle beam with destructive power;
- c. High pulsed power or high average power radio frequency beam transmitters which produce fields sufficiently intense to disable electronic circuitry at a distant target.

Note 2 ML19 includes the following when specially designed for directed energy weapon systems:

- a. Prime power generation, energy storage, switching, power conditioning or fuel-handling equipment;
- b. Target acquisition or tracking systems;
- c. Systems capable of assessing target damage, destruction or mission-abort;
- d. Beam-handling, propagation or pointing equipment;
- e. Equipment with rapid beam slew capability for rapid multiple target operations;
- f. Adaptive optics and phase conjugators;
- g. Current injectors for negative hydrogen ion beams;
- h. "Space qualified" accelerator components;
- i. Negative ion beam funnelling equipment;
- j. Equipment for controlling and slewing a high energy ion beam;
- k. "Space qualified" foils for neutralising negative hydrogen isotope beams.

ML20 Cryogenic and "superconductive" equipment, as follows, and specially designed components and accessories therefor:

- a. Equipment specially designed or configured to be installed in a vehicle for military ground, marine, airborne or space applications, capable of operating while in motion and of producing or maintaining temperatures below 103 K (- 170°C);

Note ML20.a. includes mobile systems incorporating or employing accessories or components manufactured from non-metallic or nonelectrical conductive materials, such as plastics or epoxy-impregnated materials.

- b. "Superconductive" electrical equipment (rotating machinery and transformers) specially designed or configured to be installed in a vehicle for military ground, marine, airborne or space applications, capable of operating while in motion.

Note ML20.b. does not control direct-current hybrid homopolar generators that have single-pole normal metal armatures which rotate in a magnetic field produced by superconducting windings, provided those windings are the only superconducting component in the generator.

ML21 "Software", as follows:

- a. "Software" specially designed or modified for the "development",

"production" or "use" of equipment or materials controlled by this List;

- b. Specific "software", as follows:
 1. "Software" specially designed for:
 - a. Modelling, simulation or evaluation of military weapon systems;
 - b. "Development", monitoring, maintenance or up-dating of "software" embedded in military weapon systems;
 - c. Modelling or simulating military operation scenarios, not controlled by ML14;
 - d. Command, Communications, Control and Intelligence (C³I) or Command, Communications, Control, Computer and Intelligence (C⁴I) applications[
 2. "Software" for determining the effects of conventional, nuclear, chemical or biological warfare weapons.
 3. "Software", not controlled by ML21.a., b.1. or b.2., specially designed or modified to enable equipment not controlled by this List to perform the military functions of equipment controlled by ML5, ML7.g, ML9.c., ML9.e., ML10.e., ML11, ML14, ML15, ML17.i., or ML18.

ML22. "Technology" as follows:

- a. "Technology", other than specified in ML22.b., which is "required" for the "development", "production" or "use" of items controlled in the Common Military List of The European Union.
- b. "Technology" as follows:
 1. "Technology" "required" for the design of, the assembly of components into, and the operation, maintenance and repair of complete production installations for items controlled in the Common Military List of The European Union, even if the components of such production installations are not controlled;
 2. "Technology" "required" for the "development" and "production" of small arms even if used to produce reproductions of antique small arms;
 3. "Technology" "required" for the "development", "production" or "use" of toxicological agents, related equipment or components controlled by ML7.a. to ML7.g.;
 4. "Technology" "required" for the "development", "production" or "use" of "biopolymers" or cultures of specific cells controlled by ML7.h.;
 5. "Technology" "required" exclusively for the incorporation of "biocatalysts", controlled by ML7.i.1., into military carrier substances or military material.

Note 1 "Technology" "required" for the "development", "production" or "use" of items controlled in this List remains under control even when applicable to any uncontrolled item.

Note 2 ML22 does not control "technology" as follows:

- a. Which is the minimum necessary for the installation, operation, maintenance (checking) and repair of those items which are not controlled or whose export has been authorised;

- b. *Which is "in the public domain", "basic scientific research" or the minimum necessary information for patent applications;*
 - c. *For magnetic induction for continuous propulsion of civil transport devices.*
-

SECOND SCHEDULE
Export of Military Equipment

*Amended by:
L.N. 168 of 2006.*

Authorization Application Form

<p>1. EXPORTER Vat No:</p> <p>Name of company: Address:</p> <p>Name of contact person: Tel. No: Fax No:</p>	<p>2. CONSIGNEE</p> <p>Name: Address:</p> <p>Name of contact person: Tel. No: Fax No: e-Mail Address:</p>	
<p>3. AGENT/REPRESENTATIVE</p> <p>Name of company: Address:</p> <p>Name of contact person: Tel. No: Fax No:</p>	<p>4. END-USER</p> <p>Name: Address:</p> <p>Name of contact person: Tel. No: Fax No: e-Mail Address:</p>	
5. Country of origin	6. Country of consignment	7. Country of final destination
8. Description of the item*:	9. Commodity Code	10. Control list no.
	11. Currency and Value	12. Quantity of the items
13. End use	14. Contract date	15. Customs export procedure
16. Additional information deemed relevant by the exporter		
17. I hereby apply for an export authorization in respect of the item described above and I declare that all the particulars furnished by me are correct.		
Signature	Name in blocks	Date
FOR OFFICE USE ONLY		Reference No:
Export authorized:	This authorization is valid until:	
Signature	Stamp	
Name in blocks		
Date		

* Technical specifications of the item should be attached to this application form

Note: Boxes 1 to 17 should all be filled. A separate form should be submitted for each item.

