

# 2022 ALPHABETICAL INDEX OF DUAL-USE ITEMS

## Annex I of EU Council Regulation (EC) No 2021/821



Includes Dual-Use items not listed in Annex I for reasons of public security or human rights considerations ex Article 8(4), notified by EU Member States to Commission. Such items are marked by the Member State Country Code after the Dual-Use Code. UK Controlled Dual Use List Items, known as PL List, are not included. Latvia CAT 10 list is not included in this release.

Albeit all efforts and accuracy used by EIFEC and its Technological Universities members (UNIFEC), this Index is not an exhaustive list of all controlled items.

<b>Description</b>	<b>DU Code</b>
0-ethyl-2-diisopropylaminoethyl methylphosphonite (QL)	1C350.29
11333-Pentafluoro-2-(trifluoromethyl)-1-propene (382-21-8) PFIB	1C450.a.2
2-Chloroethanol	1C350.15
2-Nitrodiphenylamine	1C111.c.3
3-Hydroxy-1-methylpiperidine	1C350.10
3-Nitroaza-1,5 pentane diisocyanate	1C018.l
3-Quinuclidinol	1C350.13
3-Quinuclidone	1C350.37
Abrin	1C351.d.1
Absolute reflectance measurement equipment	6B004.a
Absorbers of electromagnetic waves	1C001
Absorbers, hair type	1C001.a Note 1.a
Absorbers, non-planar & planar	1C001.a Note 1, b or c
Absorption columns	2B350.e
Accelerators (electro-magnetic radiation)	3A101.b
Accelerometer axis align stations	7B003
Accelerometer test station	7B003
Accelerometers (linear)	7A001
Accelerometers & accelerometer components	7A001
Accelerometers & components therefor, linear	7A101
Acoustic beacons	6A001.a.1.b
Acoustic beam forming software	6D003.a.1
Acoustic hydrophone arrays, towed	6A001.a.2.b
Acoustic location & object detection systems or transmitting and receiving arrays	6A001.a.1.b
Acoustic mounts, noise reduction equipment for vessels	8A002.o.3.a
Acoustic positioning systems	6A001.a.1.d
Acoustic projectors	6A001.a.1.c
Acoustic seabed survey equipment	6A001.a.1.a
Acoustic systems, diver deterrent	8A002.r
Acoustic systems, marine	6A001.a

<b>Description</b>	<b>DU Code</b>
Acoustic transducers	6A001.a.2.c
Acoustic underwater communications systems	5A001.b.1
Acoustic vibration test equipment	9B006
Acoustic wave devices	3A001.c
Acoustic-optic signal processing devices	3A001.c.3
Active acoustic systems	6A001.a.1
Active flight control system software	7D003.e
Active flight control system technology	7E004.b
Active magnetic bearing systems	2A001.c
Active suspension bearings, gas centrifuges	0B001.b.7.b
Actively cooled mirrors	6A005.e.1
ADCs (analog-to-digital converters)	3A001.a.5, 3A002.h, 3A101.a
Additive manufacturing capability, Machine tool	2B001 Note 4
Additive-manufacturing equipment (directional-solidification or single-crystal)	9B001.c
Aero gas turbine engine/assemblies/component test software	9D004.b
Aero gas turbine engines	9A001
Aerodynamic separation plant	0B001.a.3
Aerodynamic separation process, Equipment and components, specially designed or prepared for	0B001.d
Aerosol inhalation equipment designed for aerosol challenge testing with microorganisms, viruses, or toxins	2B352.g
Aerothermodynamic test facilities	9B105
Aflatoxins	1C351.d.11
African horse sickness virus	1C351.a.1
African swine fever virus (animal pathogens)	1C351.a.2
Agitators (chemical manufacturing)	2B350.b
AHRS (Attitude Heading Reference Systems), source code	7D002
Air independent power systems (for underwater use)	8A002.j
Air traffic control software (ATC)	6D003.h.1
Air-cooled power units (aero-engines) capable of use in unmanned 'air vehicles	9A994 DE
Air-launch platforms	9A004
Airborne altimeters	7A006, 7A106
Aircraft inertial navigation systems & equipment	7A003, 7A103.a
Align & expose step & repeat equipment (wafer processing)	3B001.f.1
Alignment equipment for equipment controlled by 7A	7B001
Alkylphenylene ethers or thio-ethers, as lubricating fluids	1C006.b.1
Alloy strips, magnetic	1C003.c
Alloyed materials production systems and components	1B002
Alloyed metal materials in powder or particulate form	1C002.b

<b>Description</b>	<b>DU Code</b>
Alloyed metal materials in the form of uncomminuted flakes, ribbons, or thin rods	1C002.c
Alloys, aluminum	1C202.a, 1C002.b.4
Alloys, magnesium	1C002.a.2.e
Alloys, metal powder or particulate form	1C002.b
Alloys, nickel	1C002.b.1
Alloys, niobium	1C002.b.2
Alpha-emitting radionuclides, compounds, mixtures, products or devices	1C236
Altimeters, airborne	7A006
Altimeters, radar or laser types	7A106
Alumina fibers	1C010.c Note a
Aluminides	1C002.a.1
Aluminides, nickel	1C002.a.1
Aluminides, titanium	1C002.a.2
Aluminium alloys	1C002.b.4
Aluminium nitride (AlN) substrates, or ingots, boules, or other preforms of those materials	3C005
Aluminum alloy powder or particulate form	1C002.c.1.d
Aluminum alloys, in the form of tubes or cylindrical solid forms (including forgings)	1C202.a
Aluminum gallium nitride (AlGaIn) "substrates", ingots, boules, or other preforms of those materials	3C005
Aluminum organo-metallic compounds	3C003
Aluminum powder (spherical) production equipment	1B102
Aluminum powder, spherical or spheroidal	1C111.a.1
Amalgam electrolysis cells, lithium isotope separation	1B233.b.3
Ammonia crackers	0B004.b.5
Ammonia synthesis converters	0B004.b.9
Ammonia synthesis units	0B004.b.9
Ammonia-hydrogen exchange plants	0B004.a.2
Ammonia-hydrogen exchange towers	0B004.b.3
Ammonium bifluoride	See ammonium hydrogen fluoride
Ammonium hydrogen fluoride	1C350.d.42
Amorphous alloy strips	1C003
Amplifiers, microwave solid state	3A001.b.4
Analog computers	4A101
Analog-to-digital conversion equipment	3A002.h
Analog-to-digital converters, integrated circuits	3A001.a.5
Analog-to-digital converters, integrated circuits that also store/process digitized data	3A001.a.14
Analogue computers, "digital computers" or digital differential analysers,	4A101

<b>Description</b>	<b>DU Code</b>
Analyzers, network	3A002.e
Analyzers, signal	3A002.c.1
Andean potato latent virus (Potato Andean latent tymovirus)	1C354.a.1
Andes virus	1C351.a.3
Angular measuring instruments	2B006.d, 2B206
Angular rate sensors	7A002
Angular-linear inspection equipment (hemishells)	2B206.b
Antennae, Electronically steerable phased array	5A001.d
Antennae, phased array (for radar)	6A008.e
Anti-friction bearings and bearing systems	2A001
Anti-vibration mounts (noise reduction), vessels	8A002.o.3.a
Antimony hydrides	3C004
Arc remelt and casting furnaces	2B227.a
Argon ion lasers	6A005.a, 6A205.a
Armor body (hard)	1A005.b
Armor body (soft)	1A005.a
Aromatic polyamide-imides (PAI)	1C008.a.2
Aromatic polyetherimides	1C008.a.4
Aromatic polyimides	1C008.a.3
Array processor microcircuits	3A001.a.3 Note
Array processors/assemblies	4A003, 4A004
Arsenic hydrides	3C004
Arsenic trichloride	1C350.31
Aspheric optical elements	6A004.e
Assemblies, Prefabricated repair	2B350.k.
Atomic frequency standards	3A002.g
Atomic transition solid state lasers	6A005.a
Atomic vapour laser isotope separation plant	0B001.a.6
Atomic vapour laser isotope separation, Equipment and components, specially designed or prepared for laser-based separation processes using	0B001.g
Atomisation, Gas	1C002 Tech Note 2
Atomisation, Plasma	1C002 Tech Note 9
Atomisation, Rotary	1C002 Tech Note 3
Atomisation, Vacuum	1C002 Tech Note 1
Attitude control equipment for missiles	7A116.b
Attitude Heading Reference Systems (AHRS), source code software	7D002
Autoclave temperature, pressure or atmosphere regulation technology	1E103
Autoclaves, Feed autoclaves, used for passing UF6 to the enrichment process	0B002.a
Automated control systems, submersible vehicles	8A002.b

<b>Description</b>	<b>DU Code</b>
Automatic loading multi-chamber central wafer handling systems	3B001.e
Auxiliary systems, equipment and components, for isotope separation plant specified in 0B001, made of or protected by materials resistant to corrosion by UF6	0B002
Avian influenza virus	1C351.a.4
Avionics EMP EMI protection technology	7E102
Bacillus anthracis	1C351.c.1
Bacteria	1C351.c, 1C354.b
Baffles, Nuclear reactor internals	0A001.h
Baffles, rotor tube	0B001.b.5
Balancing machines	2B119.a
Ball bearings and solid roller bearings	2A001.a
Ball bearings, Radial	2A101
Band-pass filters, tunable	3A001.b.5
Base stations for digital 'trunked radio'	5A911 DE
Batch mixers	1B117
Bay cable systems software	6D003.a.3
Beam accelerator	0B001.j.1
Beamforming techniques, equipment for towed acoustic hydrophone arrays	6A001.a.2.c
Bearings (anti-friction) and bearing systems	2A001
Bearings, Active suspension, gas centrifuges	0B001.b.7.b
Bearings, ball & solid roller	2A001.a
Bearings, high precision/temperature/special	2A001
Bearings, magnetic (active)	2A001.c
Bearings, Magnetic suspension	0B001.b.7
Bearings, Specially prepared bearings	0B001.b.8
Belgrade virus, Dobrava	1C351.a.11
Bellows seal valves	2A226
Bellows-forming dies	2B228.c
Bellows-forming mandrels	2B228.c
Bellows-sealed scroll-type compressors	2B233
Bellows-sealed scroll-type vacuum pumps	2B233
Bellows-sealed valves	0B001.c.5
Bellows-sealed valves, UF6	0B001.b.14.b, 0B001.d.6
Bellows, rotor tube	0B001.b.4
Bellows, Valves Bellows-sealed	0B001.c.5
Benzilic acid	1C350.b.2
Beryllium metal particulate	1C111.a.2.a.2
Beryllium metal, alloys, compounds, or manufactures	1C230
Beryllium/beryllium substrate blanks	6C004.d

<b>Description</b>	<b>DU Code</b>
Biocontainment chambers	2B352.f.2
Biocontainment isolators	2B352.g.2
Biological containment facilities, ACDP level 3 or 4	2B352.a.1
Biological manufacturing equipment & facilities	2B352
Biological safety cabinets	2B352.f.2
Bismaleimides	1C008.a.1
Bismuth	1C229
Bladders for aircraft/aerospace, fuel	1A001.a
Blanks, beryllium/beryllium (Be/Be) deposited material	6C004.d
Blanks, Zinc selenide (ZnSe) substrate	6C004.a
Blanks, Zinc sulphide (ZnS) substrate	6C004.a
Bluetongue virus	1C351.a.5
Body armor (hard and soft)	1A005
Boring machines (CNC)	2B001, 2B201
Boron & boron compounds	1C225
Boron alloys particulate	1C011.b
Boron fibers	1C010.c Note 3
Boron or boron alloys	1C011.b
Bottom cable systems	6A001.a.2.e
Bottom cable systems software	6D003.a.3
Bottom or bay-cable hydrophone arrays	6A001.a.2.e
Botulinum toxins	1C351.d.1
Boules of electro-optic materials	6C004.b
Brayton cycle engine, air independent	8A002.j.1
Breathing air suit decontamination showers	2B352.a.2.b
Brucella abortus	1C351.c.2
Brucella melitensis	1C351.c.3
Brucella suis	1C351.c.4
Bulk acoustic wave devices	3A001.c.2
Bulk fluoride glass, low optic absorption	6C004.e
Bulletproof and bullet resistant vests	1A005
Burkholderia mallei (Pseudomonas mallei)	1C351.c.5
Burkholderia pseudomallei (Pseudomonas pseudomallei)	1C351.c.6
Butacene	1C111.c.6.n
Cable systems for communications to detect surreptitious intrusion	5A003.a
Cables, Optical fiber	5A001c
CAD (Computer-aided-design) software for semiconductors	3D003
Cadmium telluride (CdTe) single crystals/epitaxial wafers	6C002.b
Cadmium zinc telluride (CdZnTe) single crystals & epitaxial wafers	6C002.b
Calandria tubes, Nuclear reactor internals	0A001.h

<b>Description</b>	<b>DU Code</b>
Calcium	1C227
Calcium fluoride (CaF <sub>2</sub> ) made/coated crucibles	2A225.a.2.a
Calcium zirconate (metazirconate) (Ca <sub>2</sub> ZrO <sub>3</sub> ) crucibles	2A225.a.2.b
Cameras and components not controlled by 6A003	6A203
Cameras and imaging devices (high-speed) software	6D203
Cameras, electronic framing type	6A003.a.4, 6A203.b.2
Cameras, electronic streak type	6A003.a.3, 6A203.a.2
Cameras, Electronic streak, high speed	6A203.a.2
Cameras, framing	6A003.a.4, 6A203
Cameras, imaging	6A003.b
Cameras, instrumentation	6A003.a
Cameras, mechanical or electronic streak	6A003.a.3
Cameras, radiation hardened TV (or lenses therefor)	6A203.d
Cameras, scanning & scanning camera systems	6A003.b.2
Cameras, systems or equipment, and components	6A003
Cameras, video using solid state sensors	6A003.b.1
Capacitors	3A001.e.2, 3A201.a
Caps, Top or bottom, rotor tube	0B001.b.6
Carbon dioxide (CO <sub>2</sub> ) lasers	6A005.d.3
Carbon fiber preforms	1C010.e
Carbon fibrous or filamentary materials	1A002.b.1, 1C010.b
Carbon monoxide (CO) lasers	6A005.d.2
Carbon or alumina fiber conversion equipment	1B001.d.4
Carbon-carbon components, resaturated pyrolyzed	1A102
Carbon-carbon materials, resaturated pyrolyzed	1C102
Carbonyl dichloride (75-44-5) (Phosgene)	1C450.a.4
Carboxy-terminated polybutadiene (including carboxyl-terminated polybutadiene) (CTPB)	1C111.b.1
Casting and remelt arc furnaces	2B227.a
Casting equipment	9B001.b
Catalysts, platinized	1A225
Catalytic burners	0B004.b.7
Cathodes	3A001.b.1
Cathodes (Impregnated) for electronic tubes	3A001.b.1.c
Cathodic arc deposition production equipment	2B005.f
Cells, Electrochemical reduction	0B001.e.3, 0B001.e.4
Cells, Fluorine production (electrolytic)	1B225
Cells, primary & secondary	3A001.e.1
Centrifugal blowers for hydrogen sulphide gas circulation	0B004.b.2
Centrifugal Contactors, Fast-exchange liquid-liquid	0B001.e.2
Centrifugal decanters	2B352.c

<b>Description</b>	<b>DU Code</b>
Centrifugal fixtures for gyro bearings	7B003
Centrifugal multiplane balancing machines for flexible rotors	2B229.a
Centrifugal separators	2B352.c
Centrifuge housing/recipient	0B001.b.11
Centrifuge rotor assembly equipment	2B228.a
Centrifuge rotor balancing equipment	2B219
Centrifuge, Gas separation plant	0B001.a.1
Centrifuges capable of imparting accelerations above 100 g	2B122
Centrifuges, Gas	0B001.b.1
Ceramic based materials	1C007
Ceramic composite materials, for rocket nozzles and reentry vehicle nose tips	1C107.b
Ceramic fibers	1C010.c Note 4
Ceramic non-composite materials	1C007
Ceramic or refractory Cores for blades and vanes	9B001.b.1
Ceramic or refractory shells for blades & vanes	9B001.b.2
Ceramic powders of titanium diboride	1C007.a
Ceramic-ceramic composite materials	1C007.c.1.a
Ceramic-ceramic-matrix composite materials	1C007.c.2
Ceramic-matrix composite materials	1C007.c.1.b
Cerium sulphide (Ce <sub>2</sub> S <sub>3</sub> ) made/coated crucibles	2A225.a.2.c
Chambers, aerosol challenge testing (capacity of 1 m <sup>3</sup> or more)	2B352.g
Changers, frequency (converters or inverters)	3A225
Chapare virus	1C351.a.6
Chemical exchange separation plant	0B001.a.4
Chemical exchange separation process, Equipment and components, specially designed or prepared for	0B001.e
Chemical incinerators	2B350.j
Chemical lasers	6A005.d.5
Chemical manufacturing equipment	2B350
Chemical manufacturing facilities,	2B350
Chemical storage tanks & containers	2B350.c
Chemical vapor deposition (CVD) equipment, epitaxial growth	3B001
Chemical vapor deposition (CVD) equipment, production	2B005.a
Chemical vapor deposition (CVD) equipment, production (fiber)	1B001.d.2
Chemical warfare (CW) precursors	1C350
Chemicals, precursors for toxic chemical agents	1C350
Chikungunya virus	1C351.a.7
Chlamydia psittaci (Chlamydothila psittaci)	1C351.c.7
Chlorine trifluoride (ClF <sub>3</sub> ).	1C238
Chloropicrin: Trichloronitromethane (76-06-2)	1C450.a.7



<b>Description</b>	<b>DU Code</b>
Choclo virus	1C351.a.8
Cholera toxin	1C351.d.13
Circulators for Nuclear reactor	0A001.g
Circumvent authentication or authorisation controls, Information Security defeating, weakening or bypassing Systems, equipment and components	5A004.b.2
Classical swine fever virus (Hog cholera virus)	1C351.a.20, 1C351.a.9
Clicker dies	1B101.d
Clostridium argentinense (formerly known as Clostridium botulinum Type G) botulinum neurotoxin producing strains	1C351.c.8
Clostridium baratii botulinum neurotoxin producing strains	1C351.c.9
Clostridium botulinum	1C351.c.10
Clostridium butyricum botulinum neurotoxin producing strains	1C351.c.11
Clostridium perfringens alpha beta 1 beta 2 epsilon and iota toxins	1C351.d.2
Clostridium perfringens epsilon toxin producing types	1C351.c.12
Clothing & materials, bullet-resistant	1A005
CNTD Controlled nucleation thermal deposition, Equipment	2B005.a.1.b
Coating & processing equipment, for non-electronic substrates	2B005
Coating application technology, for non-electronic substrates	2E003.f
Coating equipment for prepregs/preform production	1B101.d
Coatings for reduced electromagnetic visibility or signature suppression	1C101
Coccidioides immitis	1C351.e.1
Coccidioides posadasii.	1C351.e.2
Cochliobolus miyabeanus (Helminthosporium oryzae)	1C354.c.2
Cold traps	0B002.b
Cold traps, traps	0B001.h.5.c
Cold traps, UF6	0B001.d.7.d
Cold-cathode tubes	3A228.a
Colletotrichum coffeanum var. virulans (Colletotrichum kahawae)	1C354.c.1
Colletotrichum kahawae (Colletotrichum coffeanum var. virulans)	1C354.c.1
Color center lasers	6A005.c.1
Column, absorption or distillation	2B350.e
Column, liquid-liquid exchange, for lithium amalgams	1B233.b.1
Columns, Fast-exchange liquid-liquid pulse	0B001.e.1
Columns, Nuclear reactor internals	0A001.h
Combined cycle engines/components	9A011
Combustion regulation devices, missile engines	9A118
Commingled filaments	1C010.d.2
Comminution	1C002 Tech Note 6
Common channel signaling, technology for the development of equipment employing	5D001.c

<b>Description</b>	<b>DU Code</b>
Communications cable systems to detect surreptitious intrusion	5A003.a
Communications Systems (underwater)	5A001.b.1
Compasses (gyro-astro) & devices, other than those of 7A004	7A104
Compasses (gyro-astro) & other position or orientation deriving devices	7A004
Complete heavy water upgrade systems	0B004.b.8
Complex programmable logic devices (CPLD)	3A001.a.7
Components made from fluorinated compounds	1A001
Components/structures for spacecraft	9A010
Composite conductors, superconductive	1C005
Composite materials, Ceramic-ceramic	1C007.c.1.a
Composite or laminate development software	1D002
Composite structures for propulsion systems or space vehicles	9A110
Composite structures or laminates	1A002
Composite structures, as tubes	1A202
Composites (structural) production equipment	1B101
Composites production equipment	1B001
Compound rotary tables for machine tools	2B008.c
Compound semiconductor integrated circuits	3A001.a.11
Compound semiconductor photocathodes	6A002.a.2.c.3
Compounds resistant to corrosion by UF6	0C005
Compressors	0B001.c.3, 0B001.h.3
Compressors for hydrogen sulphide gas circulation	0B004.b.2
Compressors, bellows-sealed scroll-type	2B233
Compressors, turboexpander	1B232
Compressors, UF6	0B001.d.3
Computer interconnect equipment	4A003.g
Computer-aided-design (CAD) software for integrated circuits & semiconductors	3D003
Computer, electronic assemblies & equipment & components	4A001
Computer, electronic components	4A101, 4A102
Computer/assemblies/components, neural	4A004.b
Computer/assemblies/components, optical	4A004.c
Computers having an APP exceeding 16 Weighted TeraFLOPS (WT)	4A003.b
Computers, analog	4A001
Computers, analog & analog ruggedized	4A101
Computers, digital	4A001, 4A003, 4A004
Computers, hybrid	4A102
Computers, radiation hardened	4A001.a.2
Computers, with extended operating temperature range	4A001.a.1
Computers/assemblies/components, systolic array	4A004.a

<b>Description</b>	<b>DU Code</b>
Condensers or heat exchangers	2B350.d
Conductive polymers	1C001.c
Conductors, superconductive composite	1C005
Conotoxins	1C351.d.3
Contactors, Fast-exchange liquid-liquid centrifugal	0B001.e.2
Contactors, stage, Tower internals	0B004.b.4
Containers, chemical	2B350.c
Containment facilities	2B352.a.1
Continuous mixers	1B118
Control rods, Nuclear reactor	0A001.d
Control systems, on-line development of gas turbine engines	9B002
Control units for metallurgical melting & casting furnaces	2B227
Control valves, UF6	0B001.b.14
Controllable-pitch propellers	8A002.o.2.a
Controlled atmosphere melting & casting furnaces	2B227
Controlled environment (vacuum or inert gas) induction furnaces	2B226
Controlled nucleation thermal decomposition (CNTD) equipment	2B005.a.1.b
Controllers for high explosive handling robots	2B207
Controllers, machine tool (CNC)	1B001
Controllers, Robots	2B007
Conversion of uranium, Plant for and equipment	0B003
Converter integrated circuits	3A001.a.5
Converters, Ammonia synthesis	0B004.b.9
Converters, frequency	3A225
Converters, Frequency changers	0B001.b.13
Converters, frequency extender	3A001.b.7
Coolant pumps for Nuclear reactor	0A001.g
Cooling fluids - electronic	1C006.d
Cooling fluids - Fluorocarbon electronic cooling fluids , Fluorocarbon	1C006.d
Copper metal vapor lasers	6A005.b
Coprocessor microcircuits	3A001.a.3
Correlation-velocity sonar log equipment	6A001.b
Counter Improvised Explosive Device equipment	5A001.h
COVID-19 part of Severe acute respiratory syndrome-related coronavirus (SARS-related coronavirus) family	1C351.57
COVID-19 vaccines	1C9XX temporarily
Coxiella burnetii	1C351.c.13
Crackers, Ammonia	0B004.b.5
Crimean-Congo hemorrhagic fever virus	1C351.a.9
Crimean-Congo hemorrhagic fever virus (a.k.a. Congo-Crimean hemorrhagic fever virus)	1C351.a.10

<b>Description</b>	<b>DU Code</b>
Cross (tangential) flow filtration equipment	2B352.d
Crossed-field amplifier tubes	3A001.b.1.b
Crucibles made of materials resistant to liquid actinide metals	2A225
Crucibles, tantalum	2A225.b.2
Cryocoolers for optical sensors, non-space qualified	6A002.b.2.d.2
Cryocoolers for optical sensors, space qualified	6A002.b.2.d.1
Cryogenic heat exchangers	0B001.d.7.a, 0B001.h.5.a
Cryogenic refrigeration units	0B001.d.7.b, 0B001.h.5.b
Cryoseparators	0B001.d.7.a, 0B001.h.5.a
Cryptanalytic equipment, software	5D002.a.3
Cryptanalytic systems, equipment and components	5A004.a
Cryptographic enabling software	5D002.b
Cryptographic enabling systems, equipment, integrated circuits, etc	5A002.b
Cryptographic enabling technology	5E002.b
Cryptographic systems, equipment and components for data confidentiality > 56 bits	5A002.a
CTPB, Carboxy-terminated polybutadiene (including carboxyl-terminated polybutadiene)	1C111.b.1
Cultivation chamber holding devices, Fermenters	2B352.b.2.b and Technical Note 2
Cultivation chamber, Fermenters	2B352.b.2.a
Custom integrated circuits	3A001.a.2
Cutting equipment for prepregs/preform production	1B101.d
Cutting machines, gears	2B003
CVD (Chemical vapor deposition) Chemical vapour deposition (CVD) furnaces, other than those specified in 2B005.a., designed or modified for the densification of carbon-carbon composites	2B105
CVD (Chemical vapor deposition) equipment	1B001.d.2, 1B101.c.2, 2B005.a
CW (Chemical warfare) precursors	1C350
Cyanogen chloride (506-77-4)	1C450.a.5
Cyber hacking systems, equipment and components	5A004
Cylinder wall lubrication technology, diesel engines	9E003.g
Cylindrical or conical tubes	0B001.d.2
DACs (Digital-to-analog converters)	3A001.a.5
Damping, flotation or lubricating fluids	1C006.c
Data acquisition equipment for wind tunnels, automatic	9B005
Data acquisition systems for gas turbine engine development	9B002
Data Based Referenced Navigation (DBRN) systems for underwater navigation, technology	7E004.a.7
DBRN (Data Based Referenced Navigation) system technology	7E004.a.7
Decanters, centrifugal	2B352.c
Deep-hole-drilling machines	2B001.f
Deformable mirrors	6A004.a.1

<b>Description</b>	<b>DU Code</b>
DEGDN, Diethylene glycol dinitrate	1C111.c.5
Depleted Uranium	1A290
Depth sounders	6A001.a.1
Design integration of guidance sets, software	7D103
Desublimers	0B002.b
Detection and protection equipment and components	1A004
Detection equipment, radiation	1A004
Detection or location systems or transmitting and receiving arrays (acoustic)	6A001.a.1.b
Detection systems for explosives	1A004.d
Detectors, neutron , Nuclear reactor	0A001.j
Detectors, optical	6A002.a
Detectors, radiation hardened	6A102
Detectors, space-qualified solid state optical	6A002.a.1
Detonation cord	1A008.c
Detonation engines	9A111
Detonator firing sets, for multiple detonators of 3A232	1A007.a
Detonators and multipoint initiation systems	3A229
Detonators, exploding bridge (EB)	1A007.b.1
Detonators, exploding bridge wire (EBW)	1A007.b.2
Detonators, exploding foil initiators (EFI)	1A007.b.4
Detonators, slapper (electric).	1A007.b.3
Deuterium	0C003
Deuterium and deuterium compounds	0B004
Deuterium compounds	0C003
Deuterium fluoride (DF) lasers	6A005.d.5.b
Deuterium fluoride-carbon dioxide (DF-CO2) lasers	6A005.d.5.c.2
Deuterium oxide, (Heavy Water)	0C003
Di-isopropylamine	1C350.48
Diacetoxyscirpenol	1C351.d.14
Dialkyl [methyl ethyl or propyl (normal or iso)] NN-dialkyl [methyl ethyl or propyl (normal or iso)]-phosphoramidates other than Diethyl-NN-dimethylphosphoramidate which is specified in 1C350	1C450.b.3
Diamond film substrate development/production technology	3E003.d
Diamond, Synthetic material	6C004.f
Dibromotetrafluoroethane based damping or flotation fluids	1C006.c.3.a
Dies, bellows-forming	2B228.c
Diesel cycle engine, air independent	8A002.j
Diethyl chlorophosphite (CAS 589-57-1)	1C350.70
Diethyl ethylphosphonate	1C350.17
Diethyl methylphosphonite	1C350.33

<b>Description</b>	<b>DU Code</b>
Diethyl N,N-dimethylphosphoramidate	1C350.18
Diethyl phosphite	1C350.19
Diethylamine	1C350.64
Diethylaminoethanol	1C350.49
Diethylene glycol dinitrate (DEGDN)	1C111.c.5
Diffusion bonding technology, metal working	2E003.b.1.b
Diffusion bonding tools, dies, molds or fixtures	1B003
Diffusion bonding, technology / data/ aluminium alloys titanium alloys or superalloys	2E003.b.2.b
Digital array processors	3A001.a.3
Digital computer electronic assemblies, parallel processing	4A003.c
Digital computer systems	4A001, 4A003.b, 4A003.c, 4A004
Digital computers	4A003
Digital computers, electronic assemblies & related equipment	4A001, 4A003
Digital computers, logic processors	4A003
Digital computers, ruggedized	4A101
Digital computers, signal processing	4A003
Digital computers, vector processors	4A003
Digital coprocessors	3A001.a.3 Note
Digital differential analyzer, ruggedized	4A101
Digital electronic control software for propulsion systems, aerospace test facilities or air breathing aero-engine test facilities	9D003
Digital instrumentation data recorders	3A002.a.6
Digital signal processors	4A003
Digital-to-analog converter integrated circuits (DACs)	3A001.a.5
Digitally controlled radio receivers	5A001.b.5
Digitizers, waveform	3A002.h
Dimensional inspection equipment/systems	2B006.a, 2B006.c
Dimensional inspection machines	2B206
Dimensional measuring equipment, instruments/systems	2B006.b
Dimethyl ethylphosphonate	1C350.34
Dimethyl methylphosphonate	1C350.3
Dimethyl phosphite (DMP)	1C350.6
Dimethylamine	1C350.16
Dimethylamine hydrochloride	1C350.20
Dinitrogen pentoxide	1C111.a.3.c
Dinitrogen trioxide	1C111.a.3.a
Dinitropropanol	1C018
Diodes, laser	6A005.d.1
Diortho tolyl-urethane	1C018.g
Diphenyl urethane	1C018.f

<b>Description</b>	<b>DU Code</b>
Direct Digital Synthesizer (DDS) integrated circuits	3A001.a.13
Direct view imaging equipment	6A002.b.2.c
Direct-acting hydraulic pressing technology for metal working	2E003.b.2.c
Direction finding equipment & components, surveillance	5A001.e
Direction finding systems, equipment & components, navigation (inertial)	7A003
Direction finding systems, equipment & components, navigation, not controlled under 7A003	7A103
Directional solidification casting control software	9D004.c
Directional solidification casting equipment	9B001.a
Display, 3D (software for)	7D004.g
Disruptors	1A006.b
Distillation columns, hydrogen-cryogenic	1B228
Distillation towers, packings	1A226.b
Diver deterrent acoustic systems	8A002.r
Doppler laser interferometers (DLIs)	6A225
Double seal valves	2B350.g
Double-door pass-through decontamination autoclaves	2B352.a.2.a
Drone	9A012, 9A112
Dye lasers	6A205, 6A005.c
Dynamic wavefront (phase) measuring equipment	6A004.f
Eastern equine encephalitis virus	1C351.a.12
EB-PVD (Electron beam physical vapor deposition) equipment	2B005.c
Ebolavirus (includes all members of Ebolavirus genus)	1C351.a.13
Electric propulsion engines	8A002.o.2.b
Electrical discharge machines (EDM) of the non-wire type	2B001.d
Electro magnetic separation plant	0B001.a.9
Electro-optic materials	6C004
Electro-optical integrated circuits	3A001.a.6
Electrochemical reduction cells	0B001.e.3, 0B001.e.4
Electrolysis cells, amalgam lithium isotope separation	1B233.b.3
Electrolytic cells for fluorine production	1B225
Electromagnetic interference (EMI) protection technology	7E102
Electromagnetic isotope separators	1B226
Electromagnetic pulse (EMP) protection technology, avionics	7E102
Electromagnetic pulse (EMP) protection, detectors	6A102
Electromagnetic radiation sensors, optical fiber	6A002.b.2.d.3
Electromagnetic separation process, Equipment and components, specially designed or prepared for	0B001.j
Electromagnetic signature reduction materials	1C101
Electromagnetic underwater communications systems	5A001.b.1.b
Electromagnets, superconductive	3A001.e.3, 3A201.b

<b>Description</b>	<b>DU Code</b>
Electron beam cutting machines (CNC)	2B001.e.1.b
Electron beam melting furnaces	2B227.b
Electron beam physical vapor deposition (EB-PVD) equipment	2B005.c
Electron beam sensitive resist materials	3C002.b
Electron bombardment mass spectrometers	3A233.d
Electron sensing devices	6A002.a.2.a.2.b
Electronic assemblies	4A003
Electronic assemblies specially designed to provide feedback capability in systems specified in 2B006.b.1.c.	2B006.b.1.d
Electronic cameras	6A003.a.5
Electronic components	3A101, 3A201
Electronic computers & related equipment	4A101, 4A001
Electronic cooling fluids	1C006.d
Electronic framing cameras	6A203.b.2
Electronic items	3A001
Electronic streak cameras & streak tubes	6A003.a.3, 6A203.a
Electronically steerable antennae, phased array	5A001.d
EMP / ESD , Software to restore from disruption	3D005
EMP/EMI protection technology, avionic systems	7E102
Encoders, rotary input shaft type, and rings, discs or scales therefor	3A001.f
Encryption equipment, assemblies & components	5A002
Encryption hardware components	Cat 5 pt 2 Note 3 (b)
Encryption software	5D002
End effectors, robot	2B207
Energy storage capacitors	3A001.e.2
Engines (air breathing reciprocating or rotary internal combustion type)	9A012.b.4
Engines, detonation	9A111
Environmental chambers, capable of simulating flight conditions	9B106
Epitaxial growth equipment	3B001.a
Epitaxial wafers, Cadmium telluride (CdTe)	6C002.b
Epoxy resin matrix impregnated carbon fibers or filamentary materials	1C010.e Note 1
Equine morbillivirus (Hendra virus)	1C351.a.18
Equipment and components, plasma separation process	0B001.i
Equipment and components, production or concentration of heavy water, deuterium and deuterium compounds	0B004.b
Equipment and components, specially designed or prepared for aerodynamic separation process	0B001.d
Equipment and components, specially designed or prepared for chemical exchange separation process	0B001.e
Equipment and components, specially designed or prepared for electromagnetic separation process	0B001.j



<b>Description</b>	<b>DU Code</b>
Equipment and components, specially designed or prepared for gaseous diffusion separation process	0B001.c
Equipment and components, specially designed or prepared for ion-exchange separation process	0B001.f
Equipment and components, specially designed or prepared for laser-based separation processes using atomic vapour laser isotope separation	0B001.g
Equipment and components, specially designed or prepared for laser-based separation processes using molecular laser isotope separation	0B001.h
Equipment capable of use in handling biological substances, other than that controlled by 2B352	2B952 DE
Equipment for fluorinating UF	0B001.h.4
Equipment for the deposition of metallic overlays for non-electronic substrates as follows, and specially designed components and accessories	2B993 DE
Equipment specially designed for mask making having all of the following:	3B001.f.3
Equipment, Lithium isotope separation facilities, plant and	1B233
Erbium oxide (erbia) (Er <sub>2</sub> O <sub>3</sub> ) made/coated crucibles	2A225.a.2.c
Escherichia coli, Enterohaemorrhagic E. coli (EHEC)	1C351.c.19
Ethers, as lubricating fluid	1C006.b.1
Ethyl centralites	1C018.a
Ethyl chlorofluorophosphate (CAS 762-77-6)	1C350.72
Ethyl dichlorophosphate (CAS 1498-51-7)	1C350.67
Ethyl difluorophosphate (CAS 460-52-6)	1C350.69
Ethyl phenyl urethane	1C018.e
Ethyl phosphinyl dichloride	1C350.a.2, 1C350.21
Ethyl phosphinyl difluoride	1C350.35
Ethyl phosphonyl dichloride	1C350.22
Ethyl-NN-diphenylurea (ethyl unsymmetrical diphenylurea)	1C018.d
Ethyldiethanolamine	1C350.59
Evaporators for concentrated lithium hydroxide solution	1B233.b.4
Exchange columns, Ion	0B001.f.2
Exchange columns, liquid-liquid for lithium amalgams	1B233.b.1
Exchange towers, Ammonia-hydrogen	0B004.b.3
Exchange towers, Water-hydrogen sulphide	0B004.b.1
Excimer lasers	6A005.d.4
Expert systems - integration systems technology	2E003.e
Exploding bridge (EB), detonators	1A007.b.1
Exploding bridge wire (EBW), detonators	1A007.b.2
Exploding foil initiators (EFI)	1A007.b.4
Explosive detection	1A004.d
Explosive detonator firing sets	1A007.a
Explosive detonators, electric	1A007.b

<b>Description</b>	<b>DU Code</b>
Explosive munitions environments, Robots	2B007.b
Explosive, high	1C239
Explosives, Charges and devices and components	1A008
External thermal shields, Nuclear reactor	0A001.k
Extraction of Raw Data, Information Security defeating, weakening or bypassing Systems, equipment and components	5A004.b.1
FADEC (Full authority digital electronic engine control) software	9D003
FADEC (Full authority digital electronic engine control) technology	9E003.h
Fan blade (hollow) technology	9E003
Fast Fourier Transform (FFT) processors	3A001.a.12
Fast fourier transform processors, acoustic signal processing	6A001.a.2.c
Fast reacting ion-exchange resins	0B001.f.1
Fast switching function modules or assemblies	3A228.c
Fast-exchange liquid-liquid centrifugal contactors	0B001.e.2
Fast-exchange liquid-liquid pulse columns	0B001.e.1
Feed autoclaves, used for passing UF6 to the enrichment process	0B002.a
Feed preparation systems (uranium)	0B001.e.5
Fermenters (biological processing), and components designed for such fermenters	2B352.b
Fermenters, Cultivation chamber	2B352.b.2.a
Fermenters, Cultivation chamber holding devices	2B352.b.2.b and Technical Note 2
Fermenters, process control units capable of simultaneously monitoring and controlling two or more fermentation system parameters	2B352.b.2.c
Fiber and filamentary material	1C010
Fiber converting equipment, polymeric to carbon or silicon carbon	1B001.d.1
Fiber laser components	6A005.e.3
Fiber optic cable	5A001.c
Fiber optic gyro coil winding machines	7B003
Fiber optic hull penetrators/connectors	8A002.c
Fiber optic magnetometers	6A006.c
Fiber preforms, metal coated, for fiber prepregs in 9C110	9C110
Fiber prepregs, resin impregnated, for items in 9A110	9C110
Fiber reinforcement, production equipment	1B001.d
Fiber straining equipment	1B001.d.1
Fiber surface treatment equipment	1B101.d
Fiber, rare-earth metal doped double-clad	6C005.b
Fibrous or filamentary material production equipment	1B001, 1B101.c
Fibrous or filamentary materials	1C010, 1C210
Fibrous or filamentary materials, carbon	1A002.b.1
Field programmable gate arrays (FPGA)	3A001.a.7
Field programmable interconnects (FPIC)	3A001.a.7

<b>Description</b>	<b>DU Code</b>
Field programmable logic arrays (FPLA)	3A001.a.7
Field programmable logic devices (FPLD)	3A001.a.7
Filament winding machines	1B001.a, 1B101.a, 1B201
Filaments, Commingled	1C010.d.2
Filling equipment, remotely controlled	2B350.f
Film type integrated circuits	3A001.a Note 2
Filter canisters	1A004.a
Filters, tunable band-pass	3A001.b.5
Finishing machines, gear	2B003
Firing sets, for multiple detonators of 3A232	1A007.a
Fissile materials	0C002
Fissile materials, special materials, Plant for the separation of isotopes of	0B001
Flash discharge X-ray generators	3A201.c
Flatbed trailers and semitrailers	9A991.a DE
Flexible nozzles, thrust vector control sub-system	9A106.c
Flexible rotor centrifugal balancing machines	2B229.a
Flexible sensors for hydrophones	6A001.a.2.a.1
Flight control actuator technology	7E004.a.5
Flight control servo valves	9A106.d
Flight control system development technology	7E001
Flight control systems - software	7D003.e
Flight control systems for missiles	7A116
Flight instrument systems, integrated	7A103.b
Flight management system integration technology	7E104
Flow forming machines and machines with combined flow forming and spin-forming functions, other than those controlled by 2B009, 2B109 or 2B209	2B909 DE
Flow-forming machines	2B009, 2B109
Fluid energy mills	1B119
Fluorinated compounds, components	1A001
Fluorinated compounds, unprocessed	1C009
Fluorinated phosphazene elastomers	1C009.c
Fluorinated polyimides	1C009.b
Fluorinated silicone fluids	1C006.b.2
Fluorocarbon electronic cooling fluids	1C006.d
Fluorophosphate glass	6C004.e
Fluxgate magnetometer technology	6E001
Fly-by-light flight control system software	7D004.c
Fly-by-light or fly-by-wire technology	7E004.b
Fly-by-wire control system technology	7E004.b

<b>Description</b>	<b>DU Code</b>
Fly-by-wire flight control system software	7D004.c
Fly-by-wire systems for missiles	7A116
Foam mirror structures, lightweight	6A004.a.3
Foam, syntactic for underwater use (in any stage of manufacture)	8A002.a.4
Focal plane arrays, direct view	6A002.b.2.c.2
Focal plane arrays, linear & 2D	6A002.a.3
Focal plane arrays, non-space qualified	6A002.a.3.g
Focal plane arrays, space qualified.	6A002.a.1.d
Foot-and-mouth disease virus	1C351.a.14
FPGA's (Field programmable gate arrays)	3A001.a.7
FPLA's (Field programmable logic arrays)	3A001.a.7
Framing cameras, electronic type	6A003.a.4, 6A203.b.2
Framing cameras, mechanical	6A203.a.1
Framing tubes & solid state imaging devices	6A203.b.3
Francisella tularensis	1C351.c.14
Freeze drying equipment (steam, gas, or vapor sterilizable)	2B352.e
Frequency analyzers (signal analyzers)	3A002.c
Frequency changers	0B001.b.13
Frequency changers (converters or inverters)	3A225
Frequency changers (converters or inverters) and generators, "software" "specially designed" for the "use"	3A101.b
Frequency changers (converters or inverters) and generators, "software" "specially designed" to enhance or release the performance characteristics of equipment to meet or exceed the performance characteristics in	3A225
Frequency changers, high stability	0B001.b.13.b
Frequency changers, multiphase frequency	0B001.b.13.a
Frequency extenders, mixers/converters	3A001.b.7
Frequency frequency hopping radio equipment	5A001.b.3
Frequency hopping development technology	5E001.b.4
Frequency hopping systems	5A002.e
Frequency network analyzers	3A002.e
Frequency standards, atomic	3A002.g
Frequency synthesized signal generators	3A002.d
Frequency synthesizer, electronic assemblies	3A001.b.11
Fuel cell air independent power systems	8A002.j
Fuel channel, Nuclear reactor internals	0A001.h
Fungi, human and zoonotic pathogens and toxins	1C351.e
Fungi, plant pathogens	1C354.c
Furnaces	2B226, 2B227

<b>Description</b>	<b>DU Code</b>
Furnaces, Chemical Vapor Deposition (CVD), other than those controlled by 2B005.a, designed or modified for the densification of carbon-carbon composites	2B105
Fused silica glass	6C004.e
GaAs photocathodes	6A002.a.2.c.3
GaInAs photocathodes	6A002.a.2.c.3
Gallium III/V compound substrates, hetero-epitaxial grown-multi-layer	3C001.c
Gallium nitride (GaN) "substrates", ingots, boules, or other preforms of those materials	3C005
Gallium organo-metallic compounds	3C003
Gallium selenide	6C004.b.5
Gas atomisation	1C002 Tech Note 2
Gas blowers	0B001.c.3
Gas blowers, UF6	0B001.d.3
Gas centrifuge rotor assembly equipment	2B228.a
Gas centrifuge separation plant	0B001.a.1
Gas centrifuges	0B001.b.1
Gas centrifuges and assemblies and components, separation process	0B001.b
Gas krytron tubes	3A228.a
Gas lasers	6A005
Gas monitoring systems, toxic	2B351
Gas sterilizable freeze drying equipment	2B352.e
Gas turbine (aero engine) test software	9D004.b
Gas turbine aeroengines, civil non-certified/supersonic	9A001
Gas turbine engine development and use software	9D004
Gas turbine engine technology	9E003
Gas turbine engines & assemblies/components, marine	9A002
Gaseous diffuser housings	0B001.c.2
Gaseous diffusion barriers	0B001.c.1
Gaseous diffusion separation plant	0B001.a.2
Gaseous diffusion separation process, Equipment and components, specially designed or prepared for	0B001.c
Gate silicon intensifier target (SIT) videcon tubes	6A203.b.3
GDMS, (Glow discharge mass spectrometers)	3A233.b
Gear honing, shaving, grinding, cutting, and finishing machines	2B003
Gel propellant control systems	9A106.d
Generator systems, neutron	3A231
Generators, high-current pulse for detonators	3A229
Generators, high-speed pulse	3A230
Genetic elements and genetically modified organisms	1C353
Germanium, hetero-epitaxial grown multi-layer substrates	3C001.b
Gimbals, optical control	6A004.d.3

<b>Description</b>	<b>DU Code</b>
Glass fiber or filamentary materials	1C210.b
Glass fiber, for optical communications	5A001.c
Glass matrix reinforced composite materials	1C007.c.1.a
Glass Windows, radiation shielding	1A227
Glass, Fluorophosphate	6C004.e
Glass, Fused silica	6C004.e
Glass, Hafnium fluoride (HfF <sub>4</sub> )	6C004.e
Glass, high homogeneity	6C004.e.3
Glass, Phosphate	6C004.e
Glass, Zirconium fluoride (ZrF <sub>4</sub> )	6C004.e
Global positioning system (GPS) equipment & components	7A005
Gloves, protective	1A004.b
Glow discharge mass spectrometers (GDMS)	3A233.b
Goatpox virus	1C351.a.15
Gold (Au) metal vapor lasers	6A005.b
GPS (Global positioning system) equipment/components	7A005
GPS equipment, other than those of 7A005	7A105
Gradiometers & components, gravity	6A107, 6A007.b
Gradiometers & components, magnetic	6A006
Graphite	0C004
Graphite, bulk	1C107.a
Graphite, fine grain recrystallized bulk	1C107.a
Graphite, nuclear-grade, not intended for use in a nuclear reactor	1C298
Graphite, pyrolytic or fibrous reinforced	1C107.b
Gravimeters (Gravity meters) & components, gravity	6A107, 6A007.a, 6A007.b
Gravity gradiometer software	6D003.g
Gravity gradiometers & components	6A107, 6A007.c
Gravity meter (gravimeters) products & calibration equipment	6B007
Gravity meters (gravimeters) & components	6A107, 6A007.a, 6A007.b
Gravity meters (gravimeters) software	6D003.g
Grinding machines	2B201.b
Grinding machines, gear	2B003
Grinding, Machine tools for	2B001.c
Guanidine nitrate	1C011.c
Guidance sets usable in missiles	7A117
Gyro dynamic balance stations	7B003
Gyro evacuation/fill stations	7B003
Gyro run-in/motor test stations	7B003
Gyro tuning test stations	7B003
Gyro-astro compasses & devices	7A104

<b>Description</b>	<b>DU Code</b>
Gyros	7A002
Gyros & gyro components	7A102
Gyroscope production/manufacturing/test equipment	7B003
Hacking systems, equipment and components	5A004
Hafnium carbide	1C107.f Note 1.9
Hafnium diboride	1C107.f Note 1.4
Hafnium fluoride (HfF <sub>4</sub> ) glass	6C004.e
Hafnium metal, alloys	1C231
Hafnium metal, alloys, compounds, or manufactures	1C231
Hafnium oxide (hafnia) (HfO <sub>2</sub> ) made/coated crucibles	2A225.a.2.e
Hair type absorbers	1C001.a Note 1.a
Handling equipment for propellants and their constituents	1B115
Handling systems, semiconductor wafers	3B001.e
Handover interface, Software specially designed or modified for monitoring or analysis by law enforcement	5D001.e.1
Hantaan virus	1C351.a.17
Hard Selectors searches, Software specially designed or modified for monitoring or analysis by law enforcement	5D001.e.1
Heading sensors	6A001.a.2.d
Heading sensors, towed hydrophones	6A001.a.2.b.4
Heat exchangers & condensers	2B350.d
Heat exchangers, Cryogenic	0B001.d.7.a, 0B001.h.5.a
Heat exchangers, Nuclear reactor	0A001.i
Heat exchangers, UF <sub>6</sub>	0B001.c.5, 0B001.d.4
Heat pipe cooled mirrors	6A005.e.1
Heavy water (deuterium oxide)	0C003
Heavy water, Complete upgrade systems	0B004.b.8
Heavy water, Plant for the production or concentration of	0B004
Helicopter power transfer system technology	9E003.d
Helicopter system development technology	7E004.c
Helicopters, helicopter power transfer systems, gas turbine engines and auxiliary power units (APUs) for use in helicopters	9A993 DE
Helium refrigeration units	1B231.b.1
Helium-3	1C232
Helium, enriched	1C232
Helix Tubes	3A001.b.1.a.4
Helminthosporium oryzae, Cochliobolus miyabeanus	1C354.c.2
Hemishell dimensional inspection equipment/systems	2B206.b
Hendra virus (Equine morbillivirus)	1C351.a.18
Herpesvirus (Suid herpesvirus 1; a.k.a. Pseudorabies virus, Aujeszky's disease)	1C351.a.19
Het-V Heterodyne Velocimeters	6A225

<b>Description</b>	<b>DU Code</b>
Hetero-epitaxial grown multi-layer substrates	3C001
Hetero-structure semiconductor technology	3E003.b
Heterodyne Velocimeters (Het-V)	6A225
High energy storage capacitors	3A001.e.2
High explosive containment vessels, chambers, containers and other similar containment devices	1B234
High stability, Frequency changers	0B001.b.13.b
High voltage power supplies for ion sources	0B001.j.5
High-speed cameras	6A003
High-speed cameras and imaging devices and “components” therefor not controlled by 6A003	6A203
High-speed cameras and imaging devices and “components” therefor, “software” “specially designed” to enhance or release the performance characteristics of devices to meet or exceed the performance characteristics described in 6A203	6D203
High-speed pulse generators	3A230
High-velocity gun systems	2B232
HIPS (Hot Isostatic Presses)	2B104, 2B204
HIPS, Hot isostatic presses	2B004
Hog cholera virus (classical swine fever virus)	1C351.a.9
Hollow cylinder centrifugal balancing machines	2B219.b
Hot cell manipulators	2B225
Hot isostatic densification technology/data / titanium alloys aluminium alloys or superalloys	2E003.b.2.d
Hot isostatic presses	2B004
Hot isostatic presses (HIPS)	2B104, 2B204
HT-2 toxin	1C351.d.16
Hull penetrators/connectors, fiber optic	8A002.c
Human and animal pathogens and toxins	1C351
Hybrid computer electronic systems/electronic assemblies	4A001.a
Hybrid computers	4A102
Hybrid computers & components	4A001
Hybrid integrated circuits	3A001.a Note 2
Hybrid rocket motors and components	9A109
Hybrid rocket propulsion systems	9A009, 9A108
Hybrid rocket propulsion systems, motor cases and insulation components.	9A108.a
Hybrid rocket propulsion systems, nozzles	9A108.b
Hydraulic pressing, direct-acting technology	2E003.b.1.c
Hydraulic stretch-forming machines and dies technology	2E003.c
Hydrazine	1C111.a.4
Hydrides of Antimony, arsenic & phosphorus	3C004



<b>Description</b>	<b>DU Code</b>
Hydroclave temperature, pressure or atmosphere regulation technology	1E103
Hydrofoil vessel technology	8E002.c.3
Hydrogen cyanide (74-90-8)	1C450.a.6
Hydrogen fluoride	1C350.24
Hydrogen fluoride (HF) lasers	6A005.d.5.a
Hydrogen isotope storage & purification systems	1B231.b.2
Hydrogen refrigeration units	1B231.b.1
Hydrogen-cryogenic distillation columns	1B228
Hydrophone arrays (towed) acoustic data processing source code	6D003.a.2
Hydrophone arrays, towed acoustic	6A001.a.2.b
Hydrophones	6A001.a.2.a
Hydroxy-terminated polybutadiene (HTPB)	1C111.b.2
ICP/MS (Inductively coupled plasma mass spectrometers)	3A233.a
III/V compound substrates, gallium or indium	3C001.d
Image enhancement, digital equipment	4A003
Image intensifier tubes & components	6A002.a.2
Image intensifier tubes, direct view	6A002.b.2.c.1
Imaging cameras	6A003.b
Imaging cameras incorporating solid-state detectors specified by 6A002.a.1	6A003.b.5
Imaging cameras with focal plane arrays of 6A002.a.3	6A003.b.4
Imaging cameras with image intensifiers of 6A002.a.2.a	6A003.b.3
Imaging devices	6A002, 6A203.b.3
Imaging equipment, visible & infrared	6A002.b
Imaging sensors, multispectral and monospectral	6A002.b
Imaging technologies, resists for optimised for surface technologies	3C002.d
Imprint lithography equipment	3B001.f.2
Improvised Explosive Devices (IED) activation devices	5A001.h
Improvised explosive devices (specially designed or modified disposal equipment, components, and accessories)	1A006
IMU platform balance fixture	7B003
IMU platform tester	7B003
IMU stable element handling fixture	7B003
Incinerators designed to destroy the chemicals controlled by 1C350	2B350.j
Independent (air) power systems underwater	8A002.j
Indicator heads designed/modified for use with balancing machines in 2B119.a	2B119.b
Indium III/V compounds substrates	3C001.c
Indium organo-metallic compounds	3C003
Induction coil magnetometers	6A006.c
Induction furnace, controlled environment inert gas	2B226

<b>Description</b>	<b>DU Code</b>
Induction furnace, vacuum	2B226
Inductively coupled plasma mass spectrometers (ICP/MS)	3A233.a
Inert gas environment induction furnaces	2B226
Inertial measurement equipment	7A003, 7A003.c
Inertial measurement unit tester (IMU module)	7A003
Inertial navigation system software, source code	7D002
Inertial navigation, systems/equipment/components	7A003, 7A103.a
Inertial reference Systems (IRS)	7A003.c
Inertial sensors, optical fiber	6A002.b.2.d.3
Influenza virus (Reconstructed 1918 influenza virus)	1C351.a.58
Information security - test, inspection, and production equipment	5B002
Information security defeating, weakening or bypassing systems, equip. and components	5A004
Information Security defeating, weakening or bypassing Systems, equipment and components, Circumvent authentication or authorisation controls	5A004.b.2
Information Security defeating, weakening or bypassing Systems, equipment and components, Extraction of Raw Data	5A004.b.1
Information security software	5D002
Information security systems/equipment/devices/components	5A002
Infrared absorption analysers	0B004.b.6
Infrared detectors, industrial space qualified	6A002.a.1
Infrared sensors, industrial	6A002
Inhibited red fuming nitric acid (IRFNA)	1C111.a.3.e
Initiation systems, single or multipoint (electric)	3A232.b
Inorganic fibrous or filamentary materials	1C010.c
Inorganic overlay coating application technology	2E003.f
Inspection equipment (linear-angular for hemishells)	2B206.b
Inspection equipment for composite materials	1B001.f
Inspection machines (dimensional), devices or systems, other than those in 2B006	2B206
Instrumentation cameras	6A003.a
Instrumentation for wind tunnels	9B005
Instrumentation systems, inertial navigation	7A003
Insulation, Hybrid rocket propulsion systems	9A108.a
Integrated circuit computer-aided-design (CAD) software	3D003
Integrated circuit test equipment, microwave	3B002.c
Integrated circuit, masks	3B001.g
Integrated circuits, compound semiconductor	3A001.a.11
Integrated circuits, custom	3A001.a.10
Integrated circuits, general purpose	3A001.a
Integrated circuits, microwave	3A001.b.2

<b>Description</b>	<b>DU Code</b>
Integrated circuits, radiation hardened	3A001.a.1
Integrated flight instrument systems/components	7A103.b
Integrated Navigation Systems, designed or modified for use in missiles	7A103.c
Integrated system source code, avionic/mission systems	7D003
Integration software for expert systems	2E003.e
Integration technology for flight management systems	7E104
Intercepting systems and equipment, communications	5A001.f
Interception systems and equipment	5A001.f
Interconnect equipment (Computer)	4A003.g
Interferometers, Doppler laser (DLIs)	6A225
Interferometers, velocity (VISARs)	6A225
Internet Protocol (IP) network communications surveillance system	5A001.j
Interstages for missiles	9A117
Intrinsic magnetic gradiometers	6A006.c.3
Inverse synthetic aperture radar (ISAR)	6A008.d
Inverters (Frequency changers or converters)	3A225
Inverters, Frequency changers	0B001.b.13
Ion beam equipment for mask making/semiconductor devices	3B001.f.3
Ion beam sensitive resist materials	3C002.b
Ion collector plates	0B001.j.2
Ion exchange columns	0B001.f.2
Ion exchange reflux systems	0B001.f.3
Ion implantation equipment	3B001.b
Ion implantation production equipment	2B005.b
Ion lasers	6A005
Ion plating production equipment	2B005.g
Ion sources	0B001.j.1, 0B002.g
Ion sources, High voltage power supplies for	0B001.j.5
Ion-exchange separation plant	0B001.a.5
Ion-exchange separation process, Equipment and components, specially designed or prepared for	0B001.f
Ioniser	0B001.j.1
ISAR, Inverse synthetic aperture radar	6A008.d
Isolators capable of use with biological agents	2B352.f.2
Isostatic presses, hot	2B004, 2B104, 2B204
Isotope separators, electromagnetic	1B226
Jamming equipment	5A001.f.3
Japanese encephalitis virus	1C351.a.21
Jet engines/components, pulse	9A111
Jet vane, thrust vector control sub-systems	9A106.c

<b>Description</b>	<b>DU Code</b>
Joule-Thomson self-regulating minicoolers	6A002.b.2.d.2.b
Junin virus	1C351.a.20
Kerr or Pocket cells, electro-optical shuttering	6A203.c.3
Krytron tubes, gas	3A228.a
Kyasanur Forest disease virus	1C351.a.23
Laguna Negra virus	1C351.a.24
Laminate or composite development software	1D002
Laminates & composite structures organic metal or carbon	1A002
Laminates, rockets/propulsion systems/space vehicles	9A110
Land inertial navigation equipment	7A003
Land-based gravity meters production equipment	6B007
Laser acoustic detection equipment	6A005.g
Laser based linear position feedback units	2B006.b.2
Laser based measuring instruments	2B006.b.1.c
Laser beam cutting machines (CNC)	2B001.e.1.c
Laser beam equipment for mask making / semiconductor devices	3B001.f.3
Laser communication technique technology	5E001.b.2
Laser diagnostic equipment	6A005.f.2
Laser diodes	6A005.d.1
Laser gyro mirror characterization equipment	7B102
Laser microphone	6A005.g
Laser radar altimeters	7A106
Laser radar or Light Detection & Ranging (LIDAR) equipment	6A008.j
Laser radar systems	6A108
Laser ring gyro test equipment	7B002
Laser, fiber (components)	6A005.e.3
Laser, optical equipment	6A005.f
Laser, technology	6E003, 6E001, 6E002
Lasers	6A005, 6A205
Lasers systems, separation of uranium isotopes	0B001.g.5
Lassa virus	1C351.a.25
Lathes (CNC)	2B001.a
Launch support equipment	9A115
Launch vehicle components/structures	9A010
Law enforcement, Software specially designed or modified for monitoring or analysis of searches of Hard Selectors or Mapping / Tracking relational network of targeted individuals	5D001.e
Lenses for radiation hardened TV cameras	6A203.d
LIDAR equipment (Laser radar)	6A008.j
Light gas guns systems	2B232
Light systems, underwater	8A002.g, 8A002.d

<b>Description</b>	<b>DU Code</b>
Lightweight composite or foam mirror structures	6A004.a.3
Lightweight monolithic mirrors	6A004.a.2
Lightweight turbofan/turbojet engines	9A101
Linear displacement measuring systems	2B206.c
Linear displacement measuring systems containing a laser	2B006.b.1.c.1
Linear focal plane arrays	6A002.a.3
Linear measuring equipment, instruments	2B006.b.1
Linear position feedback units or sensors	2B006.b.2
Linear Variable Differential Transformer (LVDT) systems	2B006.b.1.b.1
Linear-angular inspection equipment for hemishells	2B206.b
Linear-angular, Systems for simultaneous linear-angular inspection of hemishells	2B206.b
Liquefaction stations	0B002.d
Liquid lasers	6A005.c
Liquid or vapour uranium metal handling systems	0B001.g.2
Liquid or water jet cutting machines (CNC)	2B001.e.1.a
Liquid propellant rocket engines	9A105
Liquid rocket propulsion systems	9A005
Liquid rocket propulsion systems & components	9A006, 9A106
Liquid-liquid exchange columns, for lithium amalgams	1B233.b.1
Liquid, slurry and gel propellant control systems	9A106.d
Lithium amalgam electrolysis cells	1B233.b.2
Lithium amalgam pumps	1B233.b.2
Lithium metal, alloys, compounds, mixtures, products or devices	1C233
Lithograph templates	3B001.i
Lithography equipment, imprint	3B001.f.2
Lithography equipment, mask making for semiconductor wafer-processing	3B001.f
Lithography software	3D003
Location & object detection systems or transmitting and receiving arrays, acoustic	6A001.a.1.b
Logic arrays, field programmable (FPLA)	3A001.a.8
Logic processors and assemblies	4A003
Louping ill virus	1C351.a.26
Low Light Level (LLL) camera software	6D003
Lubricating materials	1C006.b
Lujo virus	1C351.a.27
Lumpy skin disease virus	1C351.a.28
LVDT (Linear voltage displacement transformer) based instruments	2B006.b.1.b.1
Lymphocytic choriomeningitis virus	1C351.a.29
Lyssavirus (including rabies virus and all other members of the Lyssavirus genus)	1C351.a.41

<b>Description</b>	<b>DU Code</b>
Machine tool cutting tools	2B008
Machine tool having an additive manufacturing capability	2B001 Note 4
Machine tool rotary position feedback units	2B006.b
Machine tool spindles	2B008.c
Machine tools for grinding	2B001.c
Machine tools for grinding (CNC)	2B201.b
Machine tools for milling	2B001.b
Machine tools, Assemblies or units, specially designed for 2B006, 2B206, 2B007	2B008
Machine tools, E-beam	2B001.e.1.b
Machine tools, laser	2B001.e.1.c
Machine tools, numerically controlled	2B001, 2B201
Machine tools, numerically controlled and using a Magnetorheological finishing (MRF) process.	2B002
Machine tools, numerically controlled, optical finishing	2B002
Machine tools, water/other liquid jet	2B001.e.1.a
Machines for milling (CNC)	2B201.a
Machines for turning (CNC)	2B001.a
Machines, Flow forming	2B209
Machines, Interlacing	1B001.c
Machines, Weaving	1B001.c
Machining centers (CNC)	2B001, 2B201
Machupo virus	1C351.a.30
Magnaporthe oryzae ( <i>Pyricularia oryzae</i> )	1C354.c.6
Magnesium (high purity)	1C228
Magnesium alloy, powder or particulate form	1C002.b.1.e
Magnesium metal particulate	1C111.a.2.a.4
Magnesium oxide (MgO) made/coated crucibles	2A225.a.2.f
Magnesium, metal and alloys of	1C011.a
Magnet pole pieces	0B001.j.4
Magnet power supplies (high power, direct current)	0B001.j.6
Magnetic alloy strips	1C003.c
Magnetic and Electric Field Sensors "software"	6D003.f
Magnetic anomaly detection software	6D003.f.2
Magnetic bearings (suspension)	2A001.c
Magnetic compensation systems for magnetic and underwater electric field sensors	6A006.d
Magnetic compensation systems software	6D003.f.1
Magnetic disk storage	3A002.a.6
Magnetic gradiometers	6A006.c
Magnetic gradiometers, intrinsic	6A006.c.2
Magnetic metals	1C003

<b>Description</b>	<b>DU Code</b>
Magnetic suspension bearings	0B001.b.7
Magnetic suspension bearings assemblies	0B001.b.7.a
Magnetometer systems	6A006
Magnetometers	6A006
Magnetostrictive alloys	1C003.b
Mandrels (precision) for filament winding machines	1B201.c
Mandrels for rotor assembly, bellows forming	2B228.c
Mandrels, bellows-forming	2B228.c
Manganin gauges, pressure	6A226.a
Manipulative equipment, Nuclear reactor	0A001.c
Manipulators, for submersibles	8A002.i
Manipulators, remote	2B225
Manned, submersible vehicles	8A001.a, 8A001.b
Mapping / Tracking relational network of targeted individuals, Software specially designed or modified for monitoring or analysis by law enforcement	5D001.e.2
Maraging steel	1C116, 1C216
Marburgvirus: all members of the Marburgvirus genus	1C351.a.31
Marine acoustic systems	6A001.a
Marine gas turbine engines	9A002
Mask software	3D003
Mask, gas or full face	1A004.a
Masks and reticles, for optical sensors	6B002
Masks, integrated circuits of 3A001	3B001.g
Mass spectrometers & ion sources (UF6 enrichment plant)	3A233
Mass spectrometers equipped with a microfluorination ion source	3A233.f
Mass spectrometers, UF6	0B002.g
Materials for reduced electromagnetic reflectivity	1C101
Materials, Aramid fibers & filamentary	1C210.a
Materials, Carbon fiber & filamentary	1C210.a
Matrix, organic	1A002.b
MCT (HgCdTe) crystals & epitaxial wafers	6C002.b
Measurement equipment, underwater velocity	6A001.b
Measuring instruments or systems, dimensional	2B006
Measuring systems (linear displacement) containing a laser	2B006.b.1.c.1
Mechanical alloying	1C002 Tech Note 8
Mechanical-seal or inflatable-seal walkthrough doors	2B352.a.2.c
Melt extraction	1C002 Tech Note 7
Melt spinning	1C002 Tech Note 5
Melting furnaces	2B227.b
Mercury amalgam pumps	1B233.b.2

<b>Description</b>	<b>DU Code</b>
Mercury cadmium telluride (HgCdTe) crystals & epitaxial wafers	6C002.b
Mercury cadmium telluride crystals & epitaxial wafers	6C002.b
Mercury or lithium amalgam pumps	1B233.b.2
Metal alloy particulate	1C111.a.2.a.4
Metal alloy powders or particulate form	1C002.b
Metal alloys	1C002.a
Metal alloys, aluminum or titanium	1C202
Metal alloys, beryllium	1C230
Metal alloys, boron	1C011.b
Metal alloys, lithium	1C233
Metal alloys, powder and material production systems and components	1B002
Metal alloys, tungsten	1C226
Metal alloys, tungsten or molybdenum	1C117
Metal alloys, Zirconium	1C234
Metal coated fiber preforms	9A110
Metal coated fiber preforms for fiber prepregs in 9C110	9C110
Metal or carbon matrix	1A002.b
Metal particulate	1C011
Metal powder production equipment	1B102
Metal vapor lasers	6A005.b
Metal vessels or part	0A001.b
Metal working manufacturing processes technology	2E003.b
Metal working process tools, die & fixture technology	2E003.b.1
Metal-organic compounds, aluminum/gallium/indium	3C003
Metallo-organic or polymeric materials	1C007.e
Metallurgical melting & casting furnaces	2B227
Metals or carbon coated fibers	1C010.e
Metals with high initial relative (magnetic) permeability	1C003.a
Methyl benzilate	1C350.25
Methyl centralites	1C018.a
Methyl chlorofluorophosphate (CAS 754-01-8)	1C350.71
Methyl dichlorophosphate (CAS 677-24-7)	1C350.66
Methyl difluorophosphate (CAS 22382-13-4)	1C350.68
Methyl phosphinyl dichloride	1C350.26
Methyl phosphonyl dichloride	1C350.5
Methyldiethanolamine (105-59-9).	1C450.b.8
Microchannel plates, image intensifier tubes	6A002.a.2
Microcomputer microcircuits	3A001.a.3
Microcontroller microcircuits	3A001.a.3
Microcyclus ulei (syn. Dothidella ulei)	1C354.c.3



<b>Description</b>	<b>DU Code</b>
Microcystins (Cyanginosins)	1C351.d.10
Microfluorination ion sources	3A233.f
Microorganisms, genetically modified	1C353
Microprocessor microcircuits	3A001.a.3
Microwave amplifiers, solid state	3A001.b.4
Microwave frequency extenders, mixers/converters	3A001.b.7
Microwave integrated circuit test equipment	3B002.c
Microwave integrated circuits	3A001.b.2
Microwave modules	3A001.b.2
Microwave Monolithic Integrated Circuit (MMIC) power amplifier technology	5E001.d
Microwave or millimeter wave components	3A001.b
Microwave or millimeter wave components software	3D001
Microwave or millimeter wave components technology	3E001
Microwave power amplifiers	3A001.b.8
Microwave power modules (MPM)	3A001.b.9
Microwave power sources and antennae	0B001.i.1
Microwave test receivers	3A002.f
Microwave transistors (discrete)	3A001.b.3
Microwave wave components	3A001.b
Middle East respiratory syndrome-related coronavirus (MERS-related coronavirus)	1C351.a.59
Millimeter wave components	3A001.b
Milling machines, (CNC) with two or more coordinated axes	2B001.b, 2B201.a
Mills, fluid energy	1B119
Mirror assemblies/segments, space assembly	6A004.c.3
Mirror characterization equipment, reflectometers	7B102
Mirror structures, lightweight foam or composite type	6A004.a.3
Mirrors for beam steering mirror stages	6A004.a.4
Mirrors, actively cooled or heat pipe cooled	6A005.e.1
Mirrors, beam steering	6A004.a.4
Mirrors, optical	6A004.a, 6A005.e.2
Missile (usable) guidance sets	7A117
Missile engine combustion regulation devices	9A118
Missile modeling, simulation & integration software	9D103
Mixed Oxides of Nitrogen (MON)	1C111.a.3.d
Mixers, batch	1B117
Mixers, continuous	1B118
Mixers, frequency extenders	3A001.b.7
Modeccin	1C351.d.17
Modeling/simulation of guidance sets, software	7D103

<b>Description</b>	<b>DU Code</b>
Modules, microwave	3A001.b.2
Modules/assemblies, fast switching function	3A228.c
Molecular beam epitaxial growth equipment using gas sources	3B001.a.3
Molecular laser isotope separation plant	0B001.a.7
Molecular laser isotope separation, Equipment and components, specially designed or prepared for laser-based separation processes using	0B001.h
Molecular pumps	0B001.b.9
Molybdenum & tungsten metals & alloys	1C117
Molybdenum alloy fibers	1C010.c Note 2
Monitoring systems, toxic gas	2B351
Monkeypox virus	1C351.a.32
Monolithic integrated circuits	3A001.a Note 2
Monolithic Microwave Integrated Circuit (MMIC) amplifiers	3A001.b.12
Monospectral imaging sensors	6A002.b
Motion simulators or rate tables	2B120
Motor cases, Hybrid rocket propulsion systems	9A108.a
Multi-element detector arrays	6A002.a.3
Multi-layer hetero-epitaxial material substrates & wafers	3C001
Multi-layer masks (with phase shift layer), integrated circuits	3B001.h
Multi-walled piping incorporating a leak detection port	2B350.h
Multichip integrated circuits	3A001.a Note 2
Multimode optical fiber & cables, high tensile strength	5A001.c
Multiphase frequency, Frequency changers	0B001.b.13.a
Multiple-seal pumps	2B350.i
Multipoint initiation systems	3A232.b
Multispectral imaging sensors	6A002.b
Murray Valley encephalitis virus	1C351.a.33
Mycoplasma capricolum subspecies capripneumoniae (strain F38)	1C351.c.15
Mycoplasma mycoides subspecies mycoides SC (small colony)	1C351.c.16
Mycoplasma mycoides subspecies mycoides SC (small colony) (a.k.a. contagious bovine pleuropneumonia)	1C351.c.16
N,N-Diethylacetamidine (CAS 14277-06-6)	1C350.78
N,N-Diethylbutanamidine (CAS 53510-30-8)	1C350.84
N,N-Diethylformamidine (CAS 90324-67-7)	1C350.74
N,N-Diethylisobutanamidine (CAS 1342789-47-2)	1C350.88
N,N-Diethylpropanamidine (CAS 84764-73-8)	1C350.81
N,N-Diisopropyl-(beta)-amino ethanol	1C350.27
N,N-Diisopropyl-(beta)-aminoethane thiol	1C350.12
N,N-Diisopropyl-(beta)-aminoethyl chloride	1C350.11
N,N-Diisopropyl-(Beta)-aminoethyl chloride hydrochloride	1C350.54

<b>Description</b>	<b>DU Code</b>
N,N-Diisopropylaminoethanethiol hydrochloride	1C350.65
N,N-Diisopropylbutanamide (CAS 1315467-17-4)	1C350.86
N,N-Diisopropylformamide (CAS 857522-08-8)	1C350.76
N,N-Dimethylacetamide (CAS 2909-14-0)	1C350.77
N,N-Dimethylbutanamide (CAS 1340437-35-5)	1C350.83
N,N-Dimethylformamide (CAS 44205-42-7)	1C350.73
N,N-Dimethylisobutanamide (CAS 321881-25-8)	1C350.87
N,N-Dimethylpropanamide (CAS 56776-14-8)	1C350.80
N,N-Dipropylacetamide (CAS 1339586-99-0)	1C350.79
N,N-Dipropylbutanamide (CAS 1342422-35-8)	1C350.85
N,N-Dipropylformamide (CAS 48044-20-8)	1C350.75
N,N-Dipropylisobutanamide (CAS 1342700-45-1)	1C350.89
N,N-Dipropylpropanamide (CAS 1341496-89-6)	1C350.82
Nanocrystalline alloy strips	1C003.c
Navigation Satellite Systems ranging signals decryption software	7D005
Navigation Satellite Systems) ranging signals decryption software	7D005
Navigation systems, equipment & components, inertial	7A003, 7A103
Navigation systems, underwater sonar	7A008
Navigation, airborne comm. & other avionics equip. technology	7E004
Navigation, airborne communication and other avionics software	7D004
NBC (Nuclear, biological and chemical) detection system libraries or parametric technical databases	1E002.g
NBC (Nuclear, biological and chemical) detection system software	1D003
NBC Parametric technical databases	1E002.g
NDT (non-destructive test) inspection equipment	9B007
NDT (non-destructive test) inspection equipment (3D)	1B001.f
Neodymium lasers	6A005.d.6, 6A205.f
Network analysers having	3A002.e
Network communications surveillance system, Internet Protocol (IP)	5A001.j
Neural computers/assemblies/components	4A004.b
Neural network integrated circuits	3A001.a.9
Neutron detectors, Nuclear reactor	0A001.j
Neutron generator systems & tubes	3A231
Newcastle disease virus	1C351.a.34
Nickel alloy	1C002.a.1
Nickel alloy/powder or particulate form	1C002.b.1
Nickel aluminides	1C002.a.1.a
Nickel based alloys	1C002.a.1
Nickel metal (made from powder)	1C240
Nickel metal, Porous	1C240
Nickel powder	1C240

<b>Description</b>	<b>DU Code</b>
Niobium alloy/powder or particulate form	1C002.b.1.b
Niobium alloys	1C002.a.2.b
Niobium carbide	1C107.f Note 1.8
Niobium diboride	1C107.f Note 1.3
Nipah virus	1C351.a.35
Nitrided niobium-titanium-tungsten alloy, made/coated crucibles	2A225.a.2.g
Nitrogen dioxide (dinitrogen tetroxide)	1C111.a.3.b
Nitrogen dioxide/dinitrogen tetroxide	1C111.a.3.b
Nitroguanidine	1C011.d
NN-Dialkyl [methyl ethyl or propyl (normal or iso)] aminoethane-2-ols and corresponding protonated salts other than NN-Diisopropyl-(beta)-aminoethanol (96-80-0) and NN-Diethylaminoethanol (100-37-8) which are specified in 1C350	1C450.b.5
NN-Dialkyl [methyl ethyl or propyl (normal or iso)] aminoethyl-2-chlorides and corresponding protonated salts other than NN-Diisopropyl-(beta)-aminoethyl chloride or NN-Diisopropyl-(beta)-aminoethyl chloride hydrochloride which are specified in 1C350	1C450.b.4
NN-Dialkyl [methyl ethyl or propyl (normal or iso)] phosphoramidic dihalides other than NN-Dimethylaminophosphoryl dichloride	1C450.b.2
NN-Diphenylurea (unsymmetrical diphenylurea)	1C018.b
Noise cancellation systems for vessels, active	8A002.o.3.b
Noise reduction equipment for vessels, acoustic mounts	8A002.o.3.a
Noise reduction systems for vessels, active	8A002.o.3.b
Non-destructive inspection equipment	1B001.f
Non-destructive test inspection equipment, rocket motor	9B007
Non-fluorinated polymeric substances	1C008
Non-linear optical materials	6C004.c
Non-planar absorbers	1C001.a Note 1.b
Non-tunable continuous wave (CW) lasers	6A005.a
Non-tunable pulsed lasers	6A005.b
Non-tunable solid state lasers	6A005.a
Non-volatile memories	3A001.a.2 Tech Note
Nozzles, for producing pyrolytically derived materials	1B116
Nozzles, Hybrid rocket propulsion systems	9A108.b
Nozzles, rocket motor (liquid)	9A106.c
Nuclear materials, facilities, and equipment software	0D001
Nuclear reactor fuel elements, Plant for the fabrication of and equipment for	0B005
Nuclear reactor internals, support columns for the core, fuel channels, calandria tubes, thermal shields, baffles, core grid plates, and diffuser plates	0A001.h
Nuclear reactor, Circulators	0A001.g
Nuclear reactor, Control rods	0A001.d
Nuclear reactor, Coolant pumps	0A001.g

<b>Description</b>	<b>DU Code</b>
Nuclear reactor, External thermal shields	0A001.k
Nuclear reactor, Heat exchangers	0A001.i
Nuclear reactor, Manipulative equipment	0A001.c
Nuclear reactor, Neutron detectors	0A001.j
Nuclear reactor, other Heat exchangers	0A001.i.2
Nuclear reactor, Pressure tubes	0A001.e
Nuclear reactor, pumps	0A001.g
Nuclear reactor, Reactor pressure vessel for	0A001.b
Nuclear reactor, Reactor vessel head for	0A001.b
Nuclear reactor, Rod drive mechanisms and rod guide tubes	0A001.d
Nuclear reactor, Rods and ancillaries	0A001.d
Nuclear reactor, Zirconium metal or zirconium alloy tubes	0A001.f
Nuclear reactors	0A001.a
Nuclear technology for the development production or use of nuclear materials facilities and equipment	0E001
Nucleic acid assemblers and synthesisers	2B352.i
Numerical control for machine tools - software	2D002
Object detection and location systems or transmitting and receiving arrays (acoustic)	6A001.a.1.b
Ocean salvage systems	8A001.e
Omsk hemorrhagic fever virus	1C351.a.36
Optical (Infrared) tracking (range) radars	6A108.b.2
Optical components for lasers	6A004.b, 6A005.e
Optical components, space-qualified	6A004.c
Optical computers	4A004.c
Optical control equipment	6A004.d
Optical detectors & sensors	6A002
Optical detectors, radiation hardened	6A102
Optical elements, aspheric	6A004.e
Optical equipment	6B004
Optical equipment and components, phased-array "SHPL" system	6A005.f.3
Optical equipment other than optical surface scattering measurement equipment	6B004.b
Optical equipment, Laser	6A005.f
Optical fabrication technologies	6E003.a
Optical fiber & accessories, communications	5A001.c
Optical fiber couplers or connectors for underwater use	8A002.c
Optical fiber sensing elements, hydrophones	6A001.a.2.a.2
Optical fibers/fiber cable, sensing	6A002.b.2.d.3
Optical finishing processes	2B002.d
Optical integrated circuits	3A001.a.6
Optical materials, with non-linear characteristics	6C004.b

<b>Description</b>	<b>DU Code</b>
Optical mirrors (reflectors)	6A004.a, 6A005.e.2
Optical sensor cryocoolers	6A002.b.2.d.1
Optical sensor materials	6C002
Optical sensors - flight control systems - technology	7E004
Optical sensors, Masks and reticles	6B002
Optical sensors, optical fiber	6A002.b.2.d.3
Optical surface coating/treatment technology	6E003.a.1
Optical switching equipment, technology for the development of equipment employing	5E001.c.3
Optical-electro shutters, Kerr or Pockel cells	6A203.c.3
Optics software	6D003.d
Optics, (optical components)	6A004
Optimization of rocket systems trajectory technology	7E104
Organic fibrous or filamentary materials	1C010.a
Organic matrix	1A002.a
Organo-metallic compounds	3C003
Oropouche virus	1C351.a.37
Oscillators or oscillator assemblies	3A001.b.10
Oscilloscopes (high-speed)	3A002.a.7
Ossido di ittrio (Y2O3), made/coated crucibles	2A225.a.2.h
Ovens, used for passing UF6 to the enrichment process	0B002.a
Oxide matrix reinforced materials	1C007.c.1.a
Oxygen Iodine (O2-I) laser	6A005.d.5.c.1
P-Nitromethylaniline	1C018.i
Para-hydrogen Raman shift lasers	6A205.e
Parametric technical databases (Libraries)	1E002.g
Particle flow detection microphone	6A005.g
Passive acoustic systems	6A001.a.1.d
Passive coherent location systems or equipment	5A001.g
Passive sensors, direction finding systems	7A115
Pathogens, animal	1C351
Pathogens, genetically modified microorganisms	1C353.a
Pathogens, human	1C351
Pathogens, plant	1C354
Pathogens, zoonotic	1C351
PBAA, Polybutadiene-acrylic acid	1C111.b.3
PBAN, Polybutadiene-acrylic acid-acrylonitrile	1C111.b.4
Perfluoroaliphatic-ethers, monomeric	1C006.d.1.a
Perfluoroalkanes,	1C006.d.1.d
Perfluorocycloalkanes,	1C006.d.1.c
Performance improvement software, navigation systems	7D003.a

<b>Description</b>	<b>DU Code</b>
Performance improvement source code, navigation systems	7D003.b
Peronosclerospora philippinensis (Peronosclerospora sacchari)	1C354.c.7
Peste-des-petits-ruminants virus	1C351.a.38
PFIB: 11333-Pentafluoro-2-(trifluoromethyl)-1-propene (382-21-8)	1C450.a.2
Phased array antennae (in radar)	5A001.d, 6A008.e
Phenylene, as lubricating fluids	1C006.b.1
Phosgene: Carbonyl dichloride (75-44-5)	1C450.a.4
Phosphate glass	6C004.e
Phosphorus hydrides	3C004
Phosphorus oxychloride	1C350.2
Phosphorus pentachloride	1C350.38
Phosphorus pentasulphide	1C350.47
Phosphorus trichloride	1C350.7
Photocathodes	6A002.a.2.c
Photographic still cameras, underwater	8A001.e
Photomultiplier tubes	6A202
Photonic Doppler Velocimeters (PDV)	6A225
Photovoltaic arrays, space qualified or radiation hardened	3A001.e.4
Physics-based simulation "software" specially designed for the "development" of lithographic, etching or deposition processes	3D003
Piezoelectric sensing elements, hydrophones	6A001.a.2.a.2.b
Pinacolone	1C350.39
Pinacolyl alcohol	1C350.28
Piping and header systems	0B002.e
Piping, multi-walled incorporating a leak detection port	2B350.h
Pitch-impregnated fibers	1C010.e
Planar absorbers	1C001.a Note 1
Plant for the conversion of plutonium and equipment therefor	0B007
Plant for the conversion of uranium and equipment	0B003
Plant for the fabrication of nuclear reactor fuel elements and equipment	0B005
Plant for the production or concentration of heavy water	0B004
Plant for the reprocessing of irradiated "nuclear reactor" fuel elements, and equipment and components therefor	0B006
Plant for the separation of isotopes of natural uranium, depleted uranium or special fissile materials	0B001
Plant pathogens, bacteria or fungi	1C354
PLAs (Programmable Logic Arrays)	3A001.a.7
Plasma arc jet facilities	9B107
Plasma atomisation	1C002 Tech Note 9
Plasma atomization & melting furnaces	2B227.b
Plasma enhanced or plasma assisted CVD, production equipment	2B005.a.1.c

<b>Description</b>	<b>DU Code</b>
Plasma separation plant	0B001.a.8
Plasma spraying production equipment	2B005.d
Plasma wind tunnels	9B107
Plasma, Uranium, generation systems	0B001.i.3
Plates, core grid and diffuser plates for Nuclear reactor internals	0A001.h
Plates, Ion collector plates	0B001.j.2
Platinized catalysts	1A225
Plutonium, Plant for the conversion of and equipment therefor	0B007
Pocket cell electro-optical shuttering	6A203.c.3
Polyarylene ketones	1C008.d
Polybiphenylenethersulphone	1C008.f
Polybromotrifluoroethylene; based damping or flotation fluids	1C006.c.3
Polybutadiene-acrylic acid (PBAA)	1C111.b.3
Polybutadiene-acrylic acid-acrylonitrile (PBAN)	1C111.b.4
Polycarbosilazanes, precursor for silicon carbide	1C007.e.3
Polychlorotrifluoroethylene based damping or flotation fluids	1C006.c.3.b
Polycrystalline alimina fibers	1C010.c Note 1
Polydiorganosilanes, precursor for silicon carbide	1C007.e.1
Polyetherimides	1C010.d.1.a
Polymeric or metallo-organic materials	1C007.e
Polymeric substances	1C111.b
Polymeric substances, Non-fluorinated	1C008
Polysilazanes, precursor for silicon carbide	1C007.e.2
Polythiophene	1C001.c.3
Porcine Teschovirus (Teschien disease virus)	1C351.a.50
Positioning equipment	7A105
Positioning equipment/components, global	7A005
Positioning systems, acoustic	6A001.a.1.d
Positioning tables or rate tables	2B120, 2B121
Positive resists for semiconductor lithography	3C002.a.1
Post-flight data processing software	6D103
Potassium bifluoride	1C350.41
Potassium cyanide	1C350.40
Potassium fluoride	1C350.14
Potassium hydrogen fluoride see potassium bifluoride	1C350.41
Potassium titanyl arsenate (KTA)	6C004.b.1
Potato Andean latent tymovirus (Andean potato latent virus)	1C354.a.1
Powassan virus	1C351.a.40
Powder metallurgy rotor component manufacturing equipment	9B009
Powders resistant to corrosion by UF6	0C005



<b>Description</b>	<b>DU Code</b>
Power supplies, direct current high power (dc)	3A226
Power supplies, direct current high-voltage	3A227
Power supplies, High voltage for ion sources	0B001.j.5
Power systems, air independent, for underwater use	8A002.j
Precision mandrels for filament winding machines	1B201.c
Precision rotor forming mandrels	2B209.b
Precision tracking systems, usable for missiles	6A108.b
Precursors for toxic chemical agents	1C350
Prefabricated repair assemblies	2B350.k.
Preform production equipment	1B101.d
Preforms for space vehicles (metal coated fiber)	9A110
Preforms production equipment, Equipment	1B101.d
Preforms, fibrous or filamentary materials	1C010.e, 9A110
Preforms, metal coated fiber (for propulsion systems)	9A110
Preforms, metal coated, for fiber prepregs in 9C110	9C110
Prepreg production equipment	1B001.e, 1B101.d
Prepregs production equipment	1B101.d
Prepregs, fibrous or filamentary materials	1C010.e, 9A110
Prepregs, resin impregnated fiber, for 9A110 items	9C110
Prepregs, when impregnated with phenolic or epoxy resins	1C010.e Note 2
Presses, hot isostatic	2B004, 2B104, 2B204
Pressure sensors, manganin & quartz	6A226
Pressure transducers	2B230
Pressure tubes, Nuclear reactor	0A001.e
Process control units, Fermenters	2B352.b.2.c
Process systems for separating UF6	0B001.d.7
Process systems for separating UF6 from carrier gas	0B001.h.5
Processing equipment for bay or bottom cable systems	6A001.a.2.e.3
Processors, digital array	4A003, 3A001.a.3 Note
Processors, digital signal	4A003, 3A001.a.3 Note
Product and tails collector assemblies for uranium	0B001.g.3
Product and tails collector assemblies for uranium metal in solid form	0B001.i.5
Product and tails stations	0B002.c
Product or tails collector components or devices	0B001.h.2
Production equipment, and other test, calibration and alignment equipment, other than that specified in 7B001 to 7B003, designed or modified to be used with equipment specified in 7A	7B102
Production equipment, propulsion systems & components 9A	9B115
Production equipment, reentry vehicles	9B115
Production facilities and production equipment for 7A117 / Guidance sets" usable in missiles	7B102

<b>Description</b>	<b>DU Code</b>
Production facilities, reentry vehicles	9B116
Production facilities, rockets/propulsion systems	9B116
Profilometers	7B002.b
Programmable & logic arrays (FPGA's & FPLA's), field	3A001.a.8
Programmable gate & logic arrays (FPGA's & FPLA's), field	3A001.a.7
Programming controls for filament winding machines	1B201.b
Projectile accelerators	2B232
Projection telescopes, laser diagnostics	6A005.f.4
Projectors, acoustic	6A001.a.1.c
Prolifometers, to characterize mirrors for laser gyro equipment	7B002 Note b
Propellant (liquid) production equipment and components	1B115
Propellant (liquid) test and handling equipment and components	1B115
Propellant (solid) production equipment and components	1B117
Propellant additives and agents:	1C111.c
Propellants and constituent materials	1C111
Propeller blades or propfans composite technology	9E003.b.2
Propeller noise reduction software	8D002
Propeller noise reduction technology	8E002.a
Propulsion system components/structures, launch-vehicle	9A010
Propulsion system composite components/structures	9A110
Propulsion system use software	9D101
Propulsion systems, rocket	9A005, 9A007, 9A009
Propulsion systems/components, production equipment 9A	9B115
Propulsive substances	1C111.a
Protective and detection equipment	1A004
Protective clothing, Independently ventilated	2B352.f.1
Protective suits, gloves and shoes	1A004
Proximity focused image intensifier tubes	6A203.b
<i>Pseudomonas pseudomallei</i> ( <i>Burkholderia pseudomallei</i> )	1C351.c.6
Pseudorabies virus (Aujeszky's disease; Suid herpesvirus 1)	1C351.a.19
<i>Puccinia graminis</i> ssp. <i>graminis</i> var. <i>graminis</i> / <i>Puccinia graminis</i> ssp. <i>graminis</i> var. <i>stakmanii</i> ( <i>Puccinia graminis</i> [syn. <i>Puccinia graminis</i> f. sp. <i>tritici</i> ])	1C354.c.4
<i>Puccinia striiformis</i> (syn. <i>Puccinia glumarum</i> )	1C354.c.5
Pulsating CVD equipment	2B005.a.1.a
Pulse excited Q switched neodymium-doped lasers	6A205.f.1
Pulse generators, high-current for detonators	3A229
Pulse generators, high-speed	3A230
Pulse jet engines/components	9A111
Pulse radar cross-section measurement systems & components	6B008
Pulsed electron accelerators	3A201.c

<b>Description</b>	<b>DU Code</b>
Pumpjet propulsion systems	8A002.p
Pumps, liquid propellant	9A106.d
Pumps, lithium amalgam	1B233.b.2
Pumps, mercury or lithium amalgam	1B233.b.2
Pumps, Molecular	0B001.b.9
Pumps, Nuclear reactor	0A001.g
Pumps, potassium amide in liquid ammonia	1B230
Pumps, seal-less	2B350.i
Pumps, stage, Tower internals	0B004.b.4
Pumps, Vacuum	0B002.f.1, 2B231, 2B350.i
Pyrolytic deposition nozzles	1B116
Pyrolytic deposition systems ("isostatic presses", other than those controlled by 2B004)	2B104
Pyrolytic deposition systems (chemical vapor deposition furnaces, other than those controlled by 2B005.a), (CVD),	2B105
Pyrolytic deposition systems, for rocket nozzles and reentry vehicle nose tips	2B117
Pyrolytically derived materials production technology	1E104
Pyrolyzed carbon-carbon components	1A102
Pyrolyzed carbon-carbon materials	1C102
Pyrolysis equipment, for rocket nozzles and reentry vehicle nose tips ("isostatic presses", other than those controlled by 2B004)	2B104
Pyrolysis equipment, for rocket nozzles and reentry vehicle nose tips (chemical vapor deposition furnaces, other than those controlled by 2B005.a)	2B105
Pyrolysis equipment, for rocket nozzles and reentry vehicle nose tips (other than those controlled by 2B004, 2B005.a, 2B104, or 2B105)	2B117
Pyrolysis process control equipment (other than those controlled by 2B004, 2B005.a, 2B104, or 2B105)	2B117
Pyrolysis process control equipment, for chemical vapor deposition furnaces, other than those controlled by 2B005.a	2B105
Pyrolysis process control equipment, for isostatic presses, other than those controlled by 2B004	2B104
Q-switched lasers	6A205.f.1
Quadrature-amplitude-modulation (QAM) based radio equipment, equipment for the development of	5B001.b.4
Quadrature-amplitude-modulation (QAM) based radio equipment, software for the development of	5D001.d.4
Quadrature-amplitude-modulation (QAM) based radio equipment, technology for the development of	5E001.c.4.a
Quantum cryptography	5A002.c
Quartz pressure sensors/transducers	6A226.b
Rabies virus and all other members of the Lyssavirus genus	1C351.a.41
Radar altimeters	7A106
Radar cross section measurement systems, missile	6B108

<b>Description</b>	<b>DU Code</b>
Radar software	6D003.h
Radar systems & components	6A008
Radar systems, employing signal processing	6A008.h
Radar-based navigation or surveillance systems for vessel or airborne traffic control, not con-trolled by items 6A008 or 6A108	6A908 DE
Radial ball bearings	2A101
Radiation hardened designed (or rated) robots	2B007.c
Radiation hardened detectors	6A002, 6A102
Radiation hardened electronic computers	4A001.a.2
Radiation hardened integrated circuits	3A001.a.1
Radiation hardened sensors	6A002
Radiation hardened TV cameras or lenses therefor	6A203.d
Radiation sensors, optical fibers	6A002.b.2.d.3
Radiation shielding windows	1A227
Radio equipment	5A001.b.2
Radio frequency ion excitation coils	0B001.i.2
Radio frequency monitoring equipment	5A001.f.4
Radio frequency transmitting equipment	5A001.h.1
Radio systems development/production technology	5E001.b.3
Radio, shortwave technology	5E001.c.4.c
Radiographic equipment	3A101.b
Radionuclides, alpha-emitting	1C236
Radium-226, compounds, mixtures, products or devices	1C237
Radome design software	6D003.h.2
Radomes	6A108.c
Ralstonia solanacearum race 3 biovar 2	1C354.b.5
Raman shift lasers	6A205.e
Ramjet engines/components	9A011
Range gated illumination systems, underwater	8A002.d
Range instrumentation radars	6A108.b.2
Rankine cycle engine, air independent	8A002.j.1
Rare-earth metal doped double-clad, Fiber	6C005.b
Rate tables and positioning tables	2B121
Rate tables, positioning tables, and motion simulators	2B120
Rathayibacter (Clavibacter or Corynebacterium)	1C354.b.4
Reactor pressure vessel for nuclear reactor	0A001.b
Reactor vessel head for nuclear reactor	0A001.b
Reactor vessels, chemical	2B350.a
Reactors, nuclear	0A001.a
Receivers, microwave test	3A002.f
Receivers, radio	5A001.b.2

<b>Description</b>	<b>DU Code</b>
Reciprocating diesel engine & component technology	9E003.e
Reconstructed 1918 influenza virus (includes reconstructed replication competent forms of the 1918 pandemic influenza virus containing any portion of the coding regions of all eight gene segments)	1C351.a.58
Recording equipment, analog & digital tape recorders	3A002.a
Reduced observables analysis software	1D103
Reentry vehicles & equipment	9A116
Reentry vehicles/components, production equipment	9B115
Reflectance measuring equipment, absolute	6B004
Reflectivity (electromagnetic) reducing materials	1C101
Reflectometers, mirror characterization	7B102
Reflectors (mirrors), optical	6A004.a.1
Refrigeration units, hydrogen or helium	1B231.b.1
Reinforced composite materials	1C007.c.1.a
Reinforcement fiber, production equipment	1B001.d
Remote manipulators	2B225
Remotely controlled manipulators, for submersibles	8A002.i
Remotely operated filling equipment, chemical	2B350.f
Remotely operated vehicles	1A006.a
Remotely piloted vehicles (RPVs)	9A012
Reprocessing of irradiated nuclear reactor fuel elements, Plant for and equipment and components therefor	0B006
Resaturated pyrolyzed carbon-carbon components	1A102
Resaturated pyrolyzed materials	1C102
Resin (thermoset) impregnated continuous materials	1C210.c
Resin impregnated fiber prepregs for 9A110 items	9C110
Resin impregnated fiber prepregs, propulsion & space systems	9A110
Resin impregnated fibers	1C010.e
Resins, Fast reacting ion-exchange	0B001.f.1
Resins, pellicular or porous macro-reticulated	0B001.f.1
Resist material, coated (semiconductor) substrates	3C002
Resist materials, semiconductor lithography	3C002
Resists for optimised for surface imaging technologies	3C002.d
Reticles, for optical sensors	6B002
Reticles, integrated circuits of 3A001	3B001.g
Rhenium and alloys containing rhenium	1C241
Ricin	1C351.d.4
Rickettsia prowazekii	1C351.c.17
Rift Valley fever virus	1C351.a.42
Rinderpest virus	1C351.a.43
Ring laser gyro mirror characterizing equipment	7B002

<b>Description</b>	<b>DU Code</b>
Ring-shaped motor stators	0B001.b.10
Rings, rotor tube	0B001.b.4
Robot controllers	2B007
Robot controllers for high explosive handling	2B207
Robot, explosive munitions environments	2B007.b
Robots	2B007
Robots specially designed for underwater use	8A002.h
Robots, end effectors	2B007
Robots, Robots, specially designed to operate at high altitudes	2B007.d
Rocio virus	1C351.a.44
Rocket engines, solid propellant	9A107
Rocket fuels	1C111
Rocket motor inspection equipment	9B007
Rocket motors, hybrid	9A109
Rocket nozzles	9A106.c, 9A108.a
Rocket stages, other than those of 9A005/7/9, 9A105/107/109	9A119
Rocket/rocket motor, test benches/stands	9B117
Rockets, sounding	9A104
Rod drive mechanisms and rod guide tubes, Nuclear reactor	0A001.d
Rods and ancillaries, Nuclear reactor	0A001.d
Roller bearings, solid	2A001.a
Rollers for prepregs/preform production	1B101.d
Rotary atomisation	1C002 Tech Note 3
Rotary position feedback units	2B006.b
Rotary shaft seals	0B001.c.4
Rotor assemblies, Complete	0B001.b.2
Rotor assembly mandrels, bellows forming	2B228.a
Rotor components, tooling for manufacture	9B009
Rotor fabrication/assembly equipment	2B228.a
Rotor straightening equipment or systems	2B228.b
Rotor tube cylinders	0B001.b.3
Ruby lasers (Alexandrite)	6A005
S-parameter test/measurement equipment	3B002.a
S20 and S25 photocathodes	6A002
Sabia virus	1C351.a.45
Safety cabinets, biological	2B352.f.2
Salmonella enterica subspecies enterica serovar Typhi (Salmonella typhi)	1C351.c.18
Salvage systems, ocean	8A001.e
SAR, Synthetic aperture radar	6A008.d
SARS-related coronavirus (SARS-CoV)	1C351.a.57

<b>Description</b>	<b>DU Code</b>
Satellite communication equipment technology	5E001.b.1
Satellite receivers	7A005
Satellite receivers, other than those of 7A005	7A105
Satellites, commercial communications	9A004
SAW (Surface Acoustic Wave) devices	3A001.c.1
Saxitoxin	1C351.d.5
Scanning cameras & systems	6A003.b.2
Scatterometers	7B002.a
Scatterometers, to characterize mirrors for laser gyro equipment	7B002.a
Sclerophthora rayssiae var. zaeae	1C354.c.8
Scoops, extraction of UF6	0B001.b.12
Scramjet engines/components	9A011
Seal-less pumps	2B350.i
Seals, aircraft/aerospace use	1A001.a
Seals, Rotary shaft	0B001.c.4
Security capability, equipment	5A002.d
Security equipment, information	5A002
Security equipment, information, software	5D002
Segmented mirrors, assembly in space	6A004.c.3
Semiconductor component design software, computer-aided-design	3D003
Semiconductor components, extended temperature range	3A001.a.2
Semiconductor compound photocathodes	6A002.a.2.c.3
Semiconductor device or material manufacturing equipment	3B001
Semiconductor lasers	6A005.d.1
Semiconductor, test equipment	3B002
Sensing devices (electron)	6A002.a.2.a.2.b
Sensing elements, hydrophone	6A001.a.2.a
Sensor materials, optical	6C002
Sensors, direction finding systems (passive)	7A115
Sensors, industrial infrared	6A002.a
Sensors, multispectral imaging	6A002.b
Sensors, optical	6A002
Sensors, pressure (manganin & quartz)	6A226
Sensors, radiation hardened	6A102
Seoul virus	1C351.a.46
Separation element housings, UF6	0B001.d.5
Separation mechanisms for missiles	9A117
Separation nozzle, UF6	0B001.d.7.c
Separation nozzles	0B001.d.1
Separation of isotopes, Plant, natural uranium, depleted uranium or special fissile materials	0B001

<b>Description</b>	<b>DU Code</b>
Separation of uranium isotopes, Lasers systems	0B001.h.6
Separator module housings (cylindrical)	0B001.i.6
Separator module housings, (cylindrical or rectangular vessels)	0B001.g.4
Separators, centrifugal (biological)	2B352.c
Separators, electromagnetic isotope	1B226
Separators, Vacuum housings for uranium electromagnetic	0B001.j.3
Servo valves, gel propellant control systems	9A106.d
Severe acute respiratory syndrome-related coronavirus (SARS-related coronavirus)	1C351.a.57
SFQR, Technology for slicing, grinding and polishing of 300 mm diameter silicon wafers to achieve a 'Site Front least sQuares Range' ('SFQR') less than or equal to 20 nm..	3E004
Shaft encoders (rotary input type), and rings, discs or scales therefor	3A001.f
Sheeppox virus (Sheep pox virus)	1C351.a.47
Shields, External thermal, Nuclear reactor	0A001.k
Shiga toxin producing Escherichia coli (STEC) of serogroups O26 O45 O103 O104 O111 O121 O145 O157 and other shiga toxin producing serogroups	1C351.c.19
Shiga toxins (shiga-like toxins verotoxins and verocytotoxins)	1C351.d.6
Shigella dysenteriae	1C351.c.20
Ship vessel positioning systems, acoustic	6A001.a.1.d
Shoes, protective	1A004
Shortwave radio technology	5E001.c.4.c
SHPL system, Optical equipment and components, phased-array	6A005.f.3
Shrink fit machines for rotor fabrication/assembly	2B228.a
Shut-off valves, UF6	0B001.b.14
Side Scan Sonar & Synthetic Aperture Sonar (SAS) designed for seabed imaging	6A001.a.1.a.3
Sidelooking airborne radar (SLAR)	6A008.d
Signal (information bearing) reducing systems, equipment and components	5A003.b
Signal analysers	3A002.c
Signal generators, frequency synthesizer based	3A002.d
Signal processing devices, acousto-optic	3A001.c.3
Signal processing equipment, general purpose digital	4A003
Signal processing equipment, hydrophone arrays	6A001.a.2.c
Signal processing equipment, sonar	6A001.a.1.d
Signal processor microcircuits	3A001.a.3 Note
Signal tracking development/use technology, laser	5E001.b.2
Signature (electromagnetic) reduction devices	1C001
Signature suppression devices, treatments & fittings	1C001
Silicon carbide (SiC) substrate blanks	6C004.d
Silicon microcircuits	3A001.a



<b>Description</b>	<b>DU Code</b>
Silicon wafers, Technology for slicing, grinding and polishing of 300 mm diameter silicon wafers to achieve a 'Site Front least sQuares Range' ('SFQR') less than or equal to 20 nm..	3E004
Silicon-on-sapphire integrated circuits	3A001.a Note 2
Silicon, hetero-epitaxial grown multi-layer substrates	3C001.a
Silicone carbide wafers	3C005
Silicone fluid, fluorinated	1C006.b.2
Silver gallium selenide (AgGaSe <sub>2</sub> )	6C004.b.2
Simultaneous initiation arrangements or systems, single & multipoint	3A232.b
Sin Nombre virus	1C351.a.48
Single crystal casting control software	9D004.c
Single crystal casting equipment	9B001.a
Single crystals	6C002.b
Single point diamond turning techniques, technology	6E003.a.2
Skin friction transducers, wall	9B008
Slapper detonators (Electric)	1A007.b.3
SLAR, Sidelooking airborne radar	6A008.d
Slurry propellant control systems	9A106.d
Sodium (Na) metal vapor lasers	6A005.b
Sodium bifluoride	1C350.44
Sodium cyanide	1C350.45
Sodium fluoride	1C350.43
Sodium sulphide	1C350.50
Software for Nuclear materials, facilities and equipment	0D001
Software See product group D for controls in each category	
Software specially the development, production or use of goods specified in Category 0	0D001
Software specially designed for the "development" of the equipment controlled by 3A003	3D004
Software specially designed or modified for monitoring or analysis by law enforcement, for searches of Hard Selectors or Mapping / Tracking relational network of targeted individuals	5D001.e
Software specially designed or modified for the 'use' of equipment, which is controlled by item 5A911,	5D911 DE
Software, cryptanalytic equipment	5D002.a.3
Software, dedicated, for toxic gas monitoring systems and their dedicated detecting components controlled by 2B351	2D351
Software, electronic devices	2D002
Software, for coordinating function of multiple subsystems for use in missiles	9D105
Software, numerical control	2D002
Software, restore from EMP / ESD disruption	3D005
Software, specially developed or modified for the 'development', 'production' or 'use' of the equipment controlled by 6A908	6D908 DE

<b>Description</b>	<b>DU Code</b>
Software, where the destination lies outside the customs territory of the European Union and outside the areas listed in Annex IIa Part 2 for controlled by entry 5A902	5D902 DE
Solenoids, superconductive	3A001.e.3, 3A201.b
Solid propellant rocket engines	9A107
Solid rocket propulsion system, components	9A008, 9A108
Solid rocket propulsion systems	9A007
Solid state cameras	6A003.b.1
Solid state imaging devices	6A203.b.3
Solid state joining equipment, tools/dies/fixtures	9B004
Solid state lasers, tunable	6A005.c
Solid state microwave amplifiers	3A001.b.4
Solid-state imaging devices	6A002
Solid-state power semiconductor switches, diodes, or 'modules'	3A001.h
Solid-state pulsed power switching thyristor devices and thyristor modules	3A001.g
Solidification stations	0B002.d
Sonar log equipment	6A001.b
Sonar processing equipment	6A001.a.2.b
Sonar signal processing equipment	6A001.a.1.d Note a
Sonar, active individual	6A001.a.1.e
Sonar, Side Scan Sonar (SSS) designed for seabed imaging	6A001.a.1.a.3
Sonar, Synthetic Aperture Sonar (SAS) designed for seabed imaging	6A001.a.1.a.3
Sonar, underwater navigation system	7A008
Sounding rocket use software	9D101
Sounding rockets	9A104
Source code, development of avionic goods as specified	7D004
Space launch vehicles (including Kick motors)	9A004
Space qualified focal plane arrays	6A002. a.1.d
Space-qualified optical components	6A004.c
Space-qualified solid state detectors	6A002.a.1
Spacecraft and related commodities	9A004
Spacecraft inertial navigation equipment/components	7A003
Spark-gaps, triggered	3A228.b
Special fissile materials	0C002
Special fissile materials, Plant for the separation of isotopes of	0B001
Specially designed or rated as radiation-hardened	2B007.c
Specially prepared bearings	0B001.b.8
Specially prepared compounds or powders resistant to corrosion by UF6	0C005
Spectrometers, UF6, mass	0B002.g
Spherical or spheroidal aluminum powder	1C111.a.1

<b>Description</b>	<b>DU Code</b>
Spin forming machines	2B209
Spin forming machines capable of flow-forming functions	2B209
Spin forming machines combining spin-forming and flow-forming function	2B009
Spin-forming machines	2B009
Spindle assemblies, machine tools	2B008.c
Splat quenching	1C002 Tech Note 4
Spray cooling thermal management systems	3A003
Spray-drying equipment capable of drying toxins or pathogenic microorganisms	2B352.h
Spraying production equipment, plasma with controlled atmosphere	2B005.d
Spread spectrum development technology techniques	5E001.b.4
Spread spectrum radio equipment	5A001.b.3
Spread spectrum spreading code generation	5A002.e
Sprytron tubes, vacuum	3A228.a
Sputter deposition production equipment	2B005.e
SQUIDs (Superconducting quantum interference devices)	6A006.a.1
St. Louis encephalitis virus	1C351.a.49
Stage contactors, Tower internals, including	0B004.b.4
Stage pumps, Tower internals, including	0B004.b.4
Staging mechanisms for missiles	9A117
Staphylococcus aureus enterotoxins hemolysin alpha toxin and toxic shock syndrome toxin (formerly known as Staphylococcus enterotoxin F)	1C351.d.7
Star trackers and components therefor	7A004
Stations, Liquefaction	0B002.d
Stations, Product and tails	0B002.c
Stations, Solidification	0B002.d
Steam generators, Nuclear reactor	0A001.i.1
Steam sterilizable freeze drying equipment	2B352.e
Steel, Maraging	1C116, 1C216
Steel, Titanium-stabilized duplex stainless (Ti-DSS)	1C118
Step & repeat equipment, semiconductor wafer processing	3B001.f.1
Stirling cycle engine, air independent	8A002.j.4
Storage tanks, chemical (capacity greater than 100 L)	2B350.c
Stored program equipment controlled by 3B, software for use of	3D002
Strap down/gimbal inertial navigation systems or equipment	7A003
Streak cameras, electronic type	6A203.a.2
Streak cameras, mechanical or electronic	6A003.a.3
Streak cameras, mechanical type	6A203.a.2
Streak tubes, electronic streak cameras	6A203.a.3
Striplines to provide low inductance path to detonators	3A234

<b>Description</b>	<b>DU Code</b>
Structural composites production equipment	1B101
Structures and composite structures, laminate, and manufacturers for missiles	9A110
Sub-orbital craft	9A004.h
Submarine vessel positioning systems, acoustic	6A001.a.1.d
Submersible vehicles/vehicle systems or equipment (non-military)	8A001
Submersible vehicles/vehicle systems, equipment, or components (non-military)	8A002.a
Substrate development/production technology, diamond film	3E003.d
Substrates with at least one epitaxial layer of silicon carbide, gallium nitride, aluminum nitride or aluminum gallium nitride	3C006
Substrates, multi-layer hetero-epitaxial materials	3C001
Substrates, semiconductor with resist coating	3C002
Suid herpesvirus 1 (Aujeszky's disease; Pseudorabies virus)	1C351.a.19
Suid herpesvirus 1 (Pseudorabies virus Aujeszky's disease)	1C351.a.19
Suits, protective	1A004.b
Sulphur dichloride	1C350.52
Sulphur monochloride	1C350.51
Supercomputers	See Computers
Superconducting quantum interference devices (SQUIDs)	6A006.a.1
Superconductive composite conductor	1C005
Superconductive devices or circuits	3A001.d
Superconductive electromagnets or solenoids	3A001.e.3, 3A201.b
Superconductive electronic device technology	3E003.c
Superconductive gates, current switching	3A001.d.1
Superconductive propulsion engines	8A002.o.2.c
Superconductive quantum interference devices (SQUIDs)	6A006.a.1
Superplastic forming technology, metal working	2E003.b.1.a
Superplastic forming tools, dies, molds or fixtures	1B003
Superplastic forming, technology / data/ aluminium alloys titanium alloys or superalloys	2E003.b.2.a
Supersonic expansion nozzles	0B001.h.1
Surface acoustic wave devices	3A001.c.1
Surface coating & processing equipment	2B005
Surface effect vehicles technology	8E002.c.1
Surface irregularity measuring equipment/instruments	2B006.c
Surface skimming (shallow bulk) acoustic wave devices	3A001.c.1
Surface vessel positioning systems, acoustic	6A001.a.1.d
Surreptitious interception systems and equipment, software for	5D001
Surveillance system, Internet Protocol (IP) network communications	5A001.j

<b>Description</b>	<b>DU Code</b>
Surveillance systems, equipment and components for ICT (Information and Communication Technology) for public networks, where the destination lies outside the customs territory of the European Union	5A902 DE
Survey equipment, surface vessel	6A001.a.1.a.1
Survey equipment, underwater	6A001.a.1.a.2
Survey systems or transmitting and receiving arrays	6A001.a.1.b
Survey systems or transmitting and receiving arrays, bathymetric	6A001.a.1.b
Swine fever virus (African)	1C351.a.2
Swine vesicular disease virus	1C351.a.39
Switching devices, modules or assemblies	3A228
Synchytrium endobioticum	1C354.c.9
Syntactic foam, underwater use	8C001
Synthetic Aperture Sonar (SAS) designed for seabed imaging	6A001.a.1.a.3
Synthetic crystalline laser host material	6C005.a
Synthetic diamond material	6C004.f
Systems, used for passing UF6 to the enrichment process	0B002.a
Systolic array computers/assemblies/components	4A004.a
T-2 toxin	1C351.d.15
Tantalum carbide	1C107.f Note 1.10
Tantalum crucibles coated with tantalum carbide/nitride/boride	2A225.c.3
Tantalum diboride	1C107.f Note 1.5
Tantalum made or lined crucibles	2A225.b.2
Tape recording equipment	3A002.a
Tape-laying machines	1B001.b, 1B101.b
Target assemblies and components, Tritium	1B235
Technology Nuclear Technology Note for the development, production or use of goods specified in Category 0	0E001
Technology according to the General Technology Note for the 'development', 'production' and 'use' of installations, functions or performance characteristics controlled by entry 5A902, or 'software' controlled by entry 5D902	5E902 DE
Technology See product group E for controls in each category	
Technology, slicing, grinding and polishing of 300 mm diameter silicon wafers to achieve a 'Site Front least sQuares Range' ('SFQR') less than or equal to 20 nm..	3E004
Technology, airborne equipment	7E004.a
Technology, development of frequency hopping techniques	5E001.b.4
Technology, development of spread spectrum techniques	5E001.b.4
Technology, diamond substrate film	3E003.d
Technology, gas turbine engine components	9E003.a, 9E003.c
Technology, helicopter power transfer systems	9E003.d
Technology, hetero-structure semiconductor development	3E003.b

<b>Description</b>	<b>DU Code</b>
Technology, high output type diesel engines	9E003.e
Technology, integration software for expert systems	2E003.e
Technology, superconductive electronic device	3E003.c
Technology, tilt rotor/wing power transfer systems development	9E003.d
Technology, vacuum microelectronic device	3E003.a
Technology' according to the General Technology Note for the 'development' or 'production' of equipment controlled by 9A993	9E991 DE
TEGDN, Triethylene glycol dinitrate	1C111.c.2
Telecommunication monitoring equipment	5A001.f
Telecommunication test, inspection and production equipment	5B001
Telecommunications equipment	5A001
Telecommunications equipment/system software	5D001.c
Telecommunications interception equipment	5A001.f
Telecommunications transmission equipment, equipment for the development of equipment employing	5B001.b
Telecommunications transmission equipment, software for the development of equipment employing	5D001.d
Telecommunications transmission equipment, technology for the development of equipment employing	5E001.c
Telemetry & telecontrol equipment for missiles	5A101
Television cameras (radiation hardened), or lenses therefor	6A203.d
Television cameras, underwater	8A002.d
Tellurium (Te)	6C002.a
Tempest (NATO) type equipment	5A003.b
Tension stretchers for prepregs/preform production	1B101.d
Teschen disease virus (Porcine Teschovirus)	1C351.a.38
Test benches/stands, for rockets/motors/rocket engines	9B117
Test equipment - propellants and propellant constituents	1B115
Test equipment, specially designed for testing finished or unfinished semiconductor devices	3B002
Test receivers, microwave	3A002.f
Test, calibration or alignment equipment for equipment controlled by 7A	7B001
Test, calibration or alignment equipment, specially designed for equipment specified in 7A.	7B001
Test, inspection, development and production equipment for Category 5 items	5B
Tetrodotoxin	1C351.d.8
Thallium arsenic selenide (Tl <sub>3</sub> AsSe <sub>3</sub> or TAS)	6C004.b.3
Thecaphora solani.	1C354.c.11
Thermal ionization mass spectrometers (TIMS)	3A233.c
Thermal sensors, optical fiber	6A002.b.2.d.3
Thermal shields, Nuclear reactor internals	0A001.h

<b>Description</b>	<b>DU Code</b>
Thermoplastic copolymers	1C008
Thermoset resin impregnated materials	1C210.c
Thio-ethers, as lubricating fluids	1C006.b.1
Thiodiglycol	1C350.1
Thionyl chloride	1C350.9
Thorium	0C001
Thrust tabs, thrust vector control subsystems	9A106.c
Thrust vector control sub-system	9A106.c
Thulium-YAG (Tm:YAG) lasers	6A005.c.1
Thulium-YSGG (Tm:YSGG) lasers	6A005.c.1
Thyristor devices and modules, solid-state pulsed power switching	3A001.g
Tick-borne encephalitis virus (Far Eastern subtype, formerly known as Russian Spring-Summer encephalitis virus)	1C351.a.52
Tick-borne encephalitis virus (Far Eastern subtype)	1C351.a.52
Tilletia indica	1C354.c.10
Tilt rotor/tilt wing power transfer system technology	9E003.d
Tilting spindles for machine tools	2B008.d
Time or frequency domain processing & correlation equipment	6A001.a.2.c
TIMS (Thermal ionization mass spectrometers)	3A233.c
Titanium alloy/powder or particulate form	1C002.c.1.c
Titanium alloys	1C002.b.3, 1C202.b
Titanium alloys, as tubes/solid forms/forgings	1C202.b
Titanium aluminides	1C002.a.2
Titanium carbide	1C107.f Note 1.6
Titanium diboride	1C107.f Note 1
Titanium doped sapphire laser host material	6C005.a
Titanium-based alloys	1C002.b.3
Titanium-sapphire (Ti: Al <sub>2</sub> O <sub>3</sub> ) lasers	6A005.c.1
Titanium-stabilized duplex stainless steel 9Ti-DSS)	1C118
TMETN, Trimethylolethane trinitrate	1C111.c.4
Tooling for powder metallurgy rotor component manufacture	9B009
Top or bottom caps, rotor tube	0B001.b.6
Tow-placement machines	1B001.g, 1B101.a
Towed acoustic hydrophone arrays	6A001.a.2.b
Tower internals, including stage contactors, and stage pumps	0B004.b.4
Toxins	1C350
Tracking radar	6A008.l.1
Tracking systems	6A008.l
Tracking systems, precision	6A108.b.1
Transceivers, radio	5A001.b.2
Transducers, acoustic projectors	6A001.a.1.c

<b>Description</b>	<b>DU Code</b>
Transducers, wall skin friction	9B008
Transistor test equipment, S-parameter measurement	3B002.a
Transistors, microwave	3A001.b.3
Transmission equipment for Improvised Explosive Devices (IED)	5A001.h
Transmit/receive or transmit modules, transmit/receive MMICs or transmit MMICs	3A001.b.12
Traps, cold	0B002.b
Traveling wave tubes (TWTs)	3A001.b.1.a
Triethanolamine	1C350.46
Triethanolamine hydrochloride	1C350.53
Triethyl phosphite	1C350.30
Triethylene glycol dinitrate (TEGDN)	1C111.c.2
Triggered spark-gaps	3A228.b
Trimethyl phosphite (TMP)	1C350.8
Tritium plant or facilities equipment	1B231.b
Tritium production recovery, extraction & concentration handling facilities or plant	1B231.a
Tritium, Target assemblies and components	1B235
Tritium, tritium compounds, mixtures	1C235
Trucks and off-road vehicles, other	9A991.b DE
Tube cylinders, Rotor	0B001.b.3
Tubes, Cylindrical or conical	0B001.d.2
Tubes, extraction of UF6	0B001.b.12
Tubes, gas krytron	3A228.a
Tubes, Pressure - Nuclear reactor	0A001.e
Tubes, type calandria - Nuclear reactor internals	0A001.h
Tubes, vacuum spraytron	3A228.a
Tubes, Vortex	0B001.d.2
Tubes, Zirconium metal or zirconium alloy - Nuclear reactor	0A001.f
Tunable band-pass filters	3A001.b.5
Tunable lasers	6A005.c
Tunable lasers, solid state	6A005.c.1
Tungsten & molybdenum metal & alloys	1C117
Tungsten alloy, parts	1C226
Tungsten alloys	1C004
Tungsten carbide, parts	1C226
Tungsten, parts	1C226
Turbines, aero gas engines, test software	9D004.b
Turbines, gas aero engines	9A001
Turbo engines	9A101
Turboexpanders and turboexpander-compressors	1B232



<b>Description</b>	<b>DU Code</b>
Turbofan & turbojet engines, lightweight	9A101
Turboprop engine systems specially designed for items controlled by 9A012 or 9A112.a	9A102
Turning machines	2B201
Turning machines (CNC)	2B001.a
TV cameras (radiation-hardened), or lenses therefor	6A203.d
Two dimensional focal plane arrays	6A002.a.3
UAVs	9A012, 9A112
UF6 Cold traps	0B001.d.7.d, 0B001.h.5.c
UF6 mass spectrometers	0B002.g
Ultra high temperature ceramic composites	1C107.d.3
Underwater (propeller) noise reduction software	8D002
Underwater cameras, photographic	8A002.d
Underwater communications systems	5A001.b.1
Underwater electric field sensors	6A006.b
Underwater Electromagnetic Receivers	6A006.e
Underwater Electromagnetic Receivers software	6D003.f.3
Underwater noise reduction technology	8E002
Underwater robots, computer controlled	8A002.h
Underwater sonar navigation systems	7A008
Underwater vehicles positioning systems, acoustic	6A001.a.1.d
Underwater vehicles, industrial	8A001
Underwater velocity measurement equipment	6A001.b
Underwater vision systems	8A002.d
Unmanned aerial vehicles and associated systems, production equipment	9B010
Unmanned aerial vehicles, associated equipment, systems, and components	9A012.b
Unmanned air vehicle systems (UAVs)	9A012, 9A112
Unmanned submersible vehicles	8A001.c, 8A001.d
Uranium depleted, Plant for the separation of isotopes of	0B001
Uranium metal vaporization systems	0B001.g.1
Uranium oxidation systems	0B001.e.6
Uranium plasma generation systems	0B001.i.3
Uranium titanium alloys	1C004
Uranium, depleted	0C001, 1A290
Uranium, Feed preparation systems	0B001.e.5
Uranium, Lasers systems, separation of isotopes of	0B001.g.5
Uranium, Liquid or vapour, handling systems	0B001.g.2
Uranium, Natural	0C001
Uranium, Plant for the conversion of uranium and equipment	0B003
Uranium, Plant for the separation of isotopes of	0B001

<b>Description</b>	<b>DU Code</b>
Uranium, Product and tails collector assemblies for	0B001.g.3
Uranium, Product and tails collector assemblies for uranium metal in solid form	0B001.i.5
Uranium, Separation of isotopes, Lasers systems	0B001.h.6
Uranium, Vacuum housings for uranium electromagnetic separators	0B001.j.3
Vaccines, COVID-19	1C9XX temporarily
Vacuum atomisation	1C002 Tech Note 1
Vacuum electronic devices	3A001.b
Vacuum furnaces	2B226, 2B227
Vacuum headers	0B002.f.1
Vacuum housings for uranium electromagnetic separators	0B001.j.3
Vacuum induction furnace, power supplies	2B226
Vacuum induction furnaces	2B226
Vacuum manifolds	0B002.f.1
Vacuum melting, remelt & casting furnaces	2B227
Vacuum microelectronic device development/production technology	3E003.a
Vacuum pumps	0B002.f.1, 2B231, 2B350.i
Vacuum pumps, bellows-sealed scroll-type	2B233
Vacuum sprytron tubes	3A228.a
Vacuum systems	0B002.f.1
Vacuum systems (manifolds, headers, pumps)	0B002.f.3
Vacuum tubes, electronic microwave	3A001.b.1
Valves and components,	2B350.g
Valves, bellows seal	2A226
Valves, Bellows-sealed	0B001.c.5
Valves, Bellows-sealed, UF6	0B001.b.14.b
Valves, control, UF6	0B001.b.14
Valves, non-return (check)	2B350.g
Valves, Shut-off, UF6	0B001.b.14
Vapor sterilizable freeze drying equipment	2B352.e
Vapour source	0B001.j.1
Variola virus	1C351.a.52
Vector processing unit technology	3E002
Vector processors/assemblies	4A003
Vehicle position determination software	6D103
Velocimeters, Heterodyne (Het-V)	6A225
Velocimeters, Photonic Doppler (PDV)	6A225
Velocity interferometers (VISARs)	6A225
Velocity measurement equipment, underwater	6A001.b
Venezuelan equine encephalitis virus	1C351.a.53
Ventilated full or half (protective clothing) suits	2B352.f.1

<b>Description</b>	<b>DU Code</b>
Verocytotoxin producing E. coli (VTEC)	1C351.c.17
Verotoxin	1C351.d.7
Vesicular stomatitis virus	1C351.a.54
Vessel noise reduction equipment	8A002.o.3
Vessel positioning systems, acoustic	6A001.a.1.d
Vessels, marine	8A001
Vessels, Metal or part	0A001.b
Vessels, Separator module housings, (cylindrical or rectangular vessels)	0B001.g.4
Vests, bulletproof & bullet resistant	1A005
Vibration test equipment using digital control techniques	2B116
Vibration test equipment, acoustic	9B006
Vibrio cholerae	1C351.c.21
Video cameras incorporating solid state sensors	6A003.b.1
Virulans, fungi (Colletotrichum kahawae)	1C354.b.1
Virus, Guanarito	1C351.a.16
Viruses	1C351.a
Viruses, animal pathogens	1C351.a
Viruses, human pathogens	1C351.a
Viruses, plant pathogens	1C354.a
Viscous software, 2D or 3D engine flow modeling	9D004.a
Viscumin (Viscum Album Lectin 1)	1C351.d.19
Vision systems, underwater	8A002.d
Volkensin	1C351.d.18
Vortex tube units, UF6	0B001.d.7.c
Vortex tubes	0B001.d.2
Wafer handling systems, semiconductor	3B001.e
Wafer processing, semiconductor manufacturing	3B001.e
Wafers (Silicon), Technology for slicing, grinding and polishing of 300 mm diameter silicon wafers to achieve a 'Site Front least sQuares Range' ('SFQR') less than or equal to 20 nm..	3E004
Wafers, comprising multiple epitaxially grown layers	3C001
Wafers, semiconductor with function determined in 3A001.a	3A001.a
Wall skin friction transducers	9B008
Water jet (pumpjet) propulsion systems	8A002.p
Water jet cutting machines (CNC)	2B001.e.1.a
Water tunnels, propulsion model acoustic field measurement	8B001
Water-hydrogen sulphide exchange plants	0B004.a.1
Water-hydrogen sulphide exchange towers	0B004.b.1
Waterplane area vessels (small)	8E002.c.4
Waveform digitizers (Transient recorders)	3A002.h

<b>Description</b>	<b>DU Code</b>
Western equine encephalitis virus	1C351.a.55
Wet-spinning equipment for refractory ceramics	1B001.d.3, 1B101.c.3
Wind tunnel aero-model technology	9E003.b.1
Wind tunnel, control systems	9B005
Wind tunnels, usable for missiles	9B105
Winding machines, fiber optic gyro coil	7B003
Windows, glass for nuclear radiation shielding	1A227
Wing folding system technology	9E003.j
Work stations, as computers having an APP exceeding 16 Weighted TeraFLOPS (WT)	4A003.b
X-ray (non planar) inspection equipment, rocket motors	9B007
X-ray generators, radiographic	3A201.c
Xanthomonas albilineans	1C354.b.1
Xanthomonas axonopodis pv. citri (Xanthomonas campestris pv. citri A) [Xanthomonas campestris pv. citri]	1C354.a.2
Xanthomonas oryzae pv. oryzae (Pseudomonas campestris pv. oryzae)	1C354.b.3
Yellow fever virus	1C351.a.56
Yersinia pestis	1C351.c.22
Zinc germanium biphosphide	6C004.b.4
Zinc germanium diphosphide	6C004.b.4
Zinc germanium phosphide	6C004.b.4
Zinc selenide (ZnSe), substrate blanks	6C004.a
Zinc sulphide (ZnS), substrate blanks	6C004.a
Zirconium alloy tubes for Nuclear reactor	0A001.f
Zirconium carbide	1C107.f Note 1.7
Zirconium diboride	1C107.f Note 1.2
Zirconium fluoride (ZrF <sub>4</sub> ) glass	6C004.e
Zirconium metal particulate	1C111.a.2.a.1
Zirconium metal tubes for Nuclear reactor	0A001.f
Zirconium metal, alloy, compounds, or manufacturers	1C234
Zirconium oxide (zirconia) (ZrO <sub>2</sub> ) made/coated crucibles	2A225.a.2.i
Zoonotic pathogens and "toxins"	1C351