STATUTORY INSTRUMENTS

1961 No. 1034

CUSTOMS AND EXCISE

The Export of Goods (Control) Order, 1960, (Amendment No. 2) Order, 1961

Made - - - -	31*st May*, 1961
Coming into Operation	13*th June*, 1961

The Board of Trade, in exercise of the powers conferred upon them by section 1 of the Import, Export and Customs Powers (Defence) Act, 1939(a), hereby order as follows:—

1. The Export of Goods (Control) Order, 1960(b), as amended(c), shall have effect as if:—

(i) in Article 2 after "accompanied" in paragraph (*g*) there were added "or unaccompanied"; and

(ii) the First Schedule were amended in the manner specified in the Schedule hereto.

2.—(1) The Interpretation Act, 1889(d), shall apply to the interpretation of this Order as it applies to the interpretation of an Act of Parliament.

(2) This Order may be cited as the Export of Goods (Control) Order, 1960, (Amendment No. 2) Order, 1961, and shall come into operation on the 13th day of June, 1961.

Dated this 31st day of May, 1961.

G. Bowen,
An Under Secretary
of the Board of Trade.

SCHEDULE

Amendments to the First Schedule

In Group 1:—

after the entry relating to computors, aircraft interception, insert:—

"Cryogenic equipment, the following:—

(1) Equipment designed for maintaining an ambient temperature below −130° Centrigrade—

(*a*) Designed for use in marine, airborne or space applications ... ... A

(*b*) Ruggedised for mobile ground use ... ... A

(*c*) Designed to maintain operating temperatures for electrical, magnetic or electronic equipment or components... A

(a) 2 & 3 Geo. 6. c. 69.
(b) S.I. 1960/1296 (1960 I, p. 1137).
(c) S.I. 1960/2045 (1960 I, p. 1168).
(d) 52 & 53 Vict. c. 63.

(2) Electrical, magnetic or electronic equipment designed for operation at ambient temperatures below −130° Centigrade A

(3) Specially designed accessories, sub-assemblies, parts or components for (1) and (2) ... ... A":

In Group 3:—

delete the entry relating to amplifiers, and substitute:—

"Amplifiers—

(*a*) designed to operate at frequencies in excess of 500 megacycles per second;

(*b*) tuned, having a bandwidth which exceeds 10 megacycles per second or 10 per cent. of the mean frequency, whichever is less;

(*c*) untuned, having a bandwidth which exceeds 10 megacycles per second;

(*d*) direct current, amplifying by whatever means, having a noise level (referred to the input circuit) of 10^{-16} watts or less, or a zero-drift in one hour corresponding to a change in input of 10^{-16} watts or less, or both these characteristics;

(*e*) parametric, with a noise figure of merit of 5 decibels or less measured at a temperature of 17° Centigrade;

(*f*) paramagnetic;

(*g*) other devices which amplify by means of simulated electromagnetic radiation;

and specialised parts for the equipment mentioned in heads (*e*), (*f*) and (*g*) of this entry.

In this entry—

"bandwidth" means the band of frequencies over which the power amplification does not drop to less than one-half of its maximum value; and

"mean frequency" means the arithmetic mean between the frequencies at which the power amplification is one-half of its maximum value.":

delete the entry relating to electromagnetic waveguides and components therefor, and substitute:—

"Electromagnetic waveguides and components therefor, the following:—

(1) Flexible waveguides of all types;

(2) Pressurised waveguides and specialised components therefor;

(3) Rigid waveguides and components designed for use at frequencies in excess of 12,500 megacycles per second;

(4) TEM mode devices using magnetic, including gyro-magnetic, properties;

(5) Waveguides having a bandwidth ratio greater than 1·5: 1;

(6) Electromagnetic waveguide components, the following:—

(*a*) Directional couplers having a bandwidth ratio greater than 1·5: 1 and a directivity over the band of 15 decibels or more;

(*b*) Rotary joints capable of transmitting more than one isolated channel or having a bandwidth greater than 5 per cent. of the centre mean frequency;

(*c*) Magnetic, including gyro-magnetic, waveguide components.";

after the entry relating to equipment designed to provide secrecy facilities, insert:—

"Ferritic materials and other materials composed of crystals having spinel structures (and assemblies thereof and devices incorporating such materials), the following:—

(1) Monocrystals of ferrites and garnets (synthetic only);

(2) Single aperture forms possessing any of the following characteristics:—

(*a*) switching speed of 0·5 microsecond or less at the minimum field strength required for switching at 40° Centigrade;

(*b*) a maximum dimension less than 45 mils (1·14 mm.);

(3) Multi-aperature forms with fewer than 10 apertures possessing any of the following characteristics:—

(*a*) switching speed of 1 microsecond or less at the minimum field strength required for switching at 40° Centigrade;

(*b*) a maximum dimension less than 100 mils (2·54 mm.);

(4) Multi-aperature forms having 10 or more apertures;

(5) Thin film memory storage or switching devices;

(6) Electrical filters in which the coupling element makes use of the electro-mechanical properties of ferrites;

(7) Materials suitable for application in electromagnetic devices making use of the gyro-magnetic resonance phenomenon.":

delete the entry relating to measuring and counting apparatus, and substitute:—

"Measuring, calibrating, counting and time interval measuring apparatus (whether or not incorporating frequency standards), having one or more of the following characteristics:—

(1) (*a*) consisting of, or containing, frequency measuring equipment or frequency standards designed for other than ground laboratory use with an accuracy better than 1 part in 10^7;

(*b*) consisting of, or containing, ground laboratory frequency standards or frequency measuring equipment incorporating frequency standards with a stability over 24 hours of 1 part in 10^9 or better;

(2) designed for use at frequencies in excess of 500 megacycles per second;

(3) designed to provide a multiplicity of alternative output frequencies controlled by a lesser number of piezo electric crystals or an internal or external frequency standard and not forming multiples of a common control frequency;

(4) counting equipment capable of resolving at normal input levels successive input signals with less than 0·5 microsecond time difference;

(5) time interval measuring equipment containing the counting equipment specified in (4).":

in the entry relating to photographic apparatus, after the sub-head relating to microflash apparatus, insert:—

"Photographic systems specially designed for use in space vehicles.":

in the entry relating to radio spectrum analysers, delete item (*c*), and substitute:—

"(*c*) having a display bandwidth in excess of 12 megacycles per second;

(*d*) Specialised components, parts and accessories for (*a*), (*b*) and (*c*).":

delete the entry relating to telegraph apparatus, and substitute:—

"Telegraph apparatus, the following:—

Apparatus designed for the transmission or reception of messages at a speed exceeding 200 words per minute or 150 bauds, whichever is the less, other than—

(1) apparatus operating at a speed of 300 bauds where the corresponding number of words does not exceed 65 words per minute; and

(2) telemetering, telecommand and telesignalling equipment designed for industrial purposes employing time division multiplexing in which the total speed of operation is less than 150 bauds.

Terminal equipment capable of transmitting or receiving digital data at a rate in excess of 2,000 bits per second (bauds) or at a rate (applicable to single channels or to each sub-channel in a multi-channel system) in bits per second (bauds) numerically in excess of 75 per cent. of the channel (or sub-channel) bandwidth in cycles per second.

Specialised parts and accessories for such apparatus.":

after the entry relating to thermal detecting cells, insert:—

" Thermoelectric materials and devices, the following:—

(1) thermoelectric materials with a maximum product of the figure of merit (Z) and the temperature (T in °Kelvin) in excess of 0·75;

(2) junctions and combinations of junctions using any of the materials specified in (1);

(3) heat absorbing or electric power generating devices incorporating any of the junctions specified in (2);

(4) other power generating devices which generate in excess of 10 watts per pound or of 500 watts per cubic foot of the device's basic thermoelectric components;

(5) specialised parts, components and sub-assemblies for (1), (2), (3) and (4).

In this entry—

" The figure of merit (Z) " equals Seebeck coefficient squared divided by the product of electrical resistivity and thermal conductivity; and

The weight and cubic measurements in (4) are not intended to encompass the complete device but to include only the thermoelectric elements and assembly and the components for pumping calories. Other components, such as heating or cooling sources or containers, device frames or stands and control equipment are not to be included in the calculations.":

In Group 4:—

delete " Molybdenum disulphide of a purity of 86 per cent. or more.":

In Group 5:—

in the entry relating to molybdenum, delete the item relating to molybdenum and alloys, and substitute:—

" Molybdenum and alloys containing 50 per cent. or more of molybdenum in form I, II or III.":

in the entry relating to niobium (columbium), delete the item relating to niobium and alloys, and substitute:—

" Niobium and alloys (i) containing 50 per cent. or more of niobium or (ii) having a combined content of 60 per cent. or more of niobium-tantalum, in form I, II or III ... ... A":

In Group 6:—

in the entry for bearings, ball and roller, delete " Tapered roller, spherical roller and thrust roller bearings, with inner ring bore diameter of over 15·750 inches (400 millimetres).":

in the entry relating to chemical plant and equipment, delete the item relating to centrifugal counter-current solvent extractors, and substitute:—

" Counter-current solvent extractors, made of stainless steel, specially designed for the extraction of radio-active substances.":

delete " Equipment specially designed for the conversion of *di*nitrogen tetroxide to nitric acid of 98 per cent. or higher concentration, or for the concentration of *di*nitrogen tetroxide and nitric oxides or mixtures thereof.":

in the entry relating to machines, apparatus and tools of the kinds used for the production of aircraft and aircraft engines, under the sub-head relating to machines, apparatus and tools for the manufacture and testing of gas turbines, delete "External surface broaching tools for the production of jet engine blades and discs.":

in the entry relating to machines, metal working, delete "Deep hole drilling machines of the kind designed to use tubular drills or bars in which the coolant passes through the drill or bar.":

delete the item relating to spin-forming machines, and substitute:—

"Spin-forming machines designed for use with, or equipped with, spindle drive motor of 50 horse power or more.":

delete the entry relating to metal cutting and working tools, for machine operations:

delete the entry relating to oil well drilling apparatus:

In Group 8:—

delete the entry relating to fuels for aircraft turbine engines, and substitute:—

"Fuels for aircraft engines, the following:—

Any liquid fuel, including petroleum products, which contains high energy components or compounds thereof, having a gross calorific value of not less than 23,400 British Thermal Units per pound.":

delete the entry relating to high octane blending agents for aircraft fuels:

delete the entry relating to lubricating oils and greases, synthetic (ester type) and substitute:—

"Lubricating oils and greases, synthetic, being or containing—

(1) esters of dibasic saturated aliphatic acids combined with one or both of the following:—

(*a*) saturated aliphatic monohydric alcohols, where both of the two constituents contain six or more carbon atoms, and

(*b*) polyglycols where one or both of the two constituents contain six or more carbon atoms; or

(2) fluoro-alcohol esters;

other than oils and greases containing either—

(*a*) 50 per cent. or more of neutral castor oil, or

(*b*) 5 per cent. or more of neutral castor oil and 50 per cent. or more of castor oil and petroleum oil together;

(3) polyphenyl ethers containing more than 3 phenyl groups.".

EXPLANATORY NOTE

(This Note is not part of the Order, but is intended to indicate its general purport.)

This Order further amends the Export of Goods (Control) Order, 1960. The main changes are as follows:—

1. Export control is removed from molybdenum disulphide, certain roller bearings, certain chemical plant and equipment, certain external surface broaching tools, specified deep hole drills and drilling machines, specified spin-forming machines, certain oil well drilling apparatus, specified aircraft fuels and high octane blending agents.

2. Control is imposed on the export of specified cryogenic equipment to all countries, and on the export of specified ferritic materials, photographic

systems for space vehicles, thermoelectric materials and certain synthetic lubricants to countries other than Commonwealth countries, the Irish Republic and the United States of America.

3. The descriptions of goods to which export control applies have been amended in the case of amplifiers, electromagnetic waveguides and components, measuring and counting apparatus, radio spectrum analysers, telegraph apparatus, molybdenum, niobium (columbium) and centrifugal counter-current solvent extractors.

4. Personal diamond jewellery being taken abroad by the owner in unaccompanied baggage is exempted from export control.