

1989 No. 1914

CUSTOMS AND EXCISE

**The Export of Goods (Control) (Amendment No. 5)
Order 1989**

Made - - - - 16th October 1989

Coming into force 17th October 1989

The Secretary of State, in exercise of powers conferred by section 1 of the Import, Export and Customs Powers (Defence) Act 1939(a) and now vested in him(b), and of all other powers enabling him in that behalf, hereby makes the following Order:

1. This Order may be cited as the Export of Goods (Control) (Amendment No. 5) Order 1989 and shall come into force on 17th October 1989.

2. The Export of Goods (Control) Order 1987(c) shall be amended as follows.

3. In head 7 of Group 3G of Part II of Schedule 1, in entry IL 1565 (computers, electronics and related equipment),

(i) in exception (ii)(c), for "15" there shall be substituted "28"; and

(ii) after exception (v), there shall be added as further exceptions:

(vi) equipment for local area networks which do not have any of the following characteristics:

(a) interfaces and protocols exceeding Layer 2 of the Open System Interconnection (OSI) reference model, that is ISO logical link control Draft International Standard (DIS) 8802/2, IEEE 802.2, 802.3, 802.4, 802.5 or equivalents;

(b) implementations that contain functions of, or equivalent to, those provided by CCITT X.25, Level 3 protocols or above Level 3;

(c) maximum data-signalling rate on the common transmission medium of more than 2 million bit per second; or

(d) internetwork gateways;

(vii) personal computers and related equipment therefor, not falling within exclusions (i) to (v) above, provided they meet all the following conditions:

(a) they are not described in head (7)(a) or (b) above;

(b) they are shipped as complete systems;

(c) they are not stand-alone graphic workstations which—

(i) are designed or modified for the generation, transformation, and display of 2 or 3 dimensional vectors;

(ii) are not designed for graphic arts, printing or publishing;

(iii) have a total processing data rate of the central processing unit exceeding 28 million bit per second;

(a) 1939 c.69.

(b) See S.I. 1970/1537.

(c) S.I. 1987/2070, amended by S.I. 1988/1487, 1989/246, 354 and 1270.

- (iv) have a central processing unit with a word-length exceeding 16 bit (and for this purpose microprocessor-based systems with 16 bit word-length and not more than a 32 bit architecture are regarded as 16 bit systems); and
- (v) exceed a block-move data rate of 800,000 pixels/sec or a maximum bit transfer rate of the channel for direct access to the main storage (Direct Memory Access or DMA channel) of 11 million bit per second;
- (d) they are not ruggedised above the level required for a normal commercial or office environment;
- (e) they do not include a central processing unit implemented with more than two microprocessor or microcomputer microcircuits, other than:
 - (i) any dedicated microprocessor or microcomputer microcircuit used solely for display, keyboard or input/output control; or
 - (ii) any bit-slice microprocessor microcircuit;
- (f) they do not include a microprocessor or microcomputer microcircuit with a principal operand (data) word-length of more than 16 bit or a bus architecture with more than 32 bit;
- (g) they have a total connected capacity of main storage not exceeding 39 million bit (usually referred to as 4 MByte with up to 64kByte of cache allowed);
- (h) they have displays or monitors not exceeding either:
 - (i) 1024 resolvable elements along any axis and 64 shades of grey or colour; or
 - (ii) 320 resolvable elements along any axis and 256 shades of grey or colour;
- (i) they do not include analogue-to-digital or digital-to-analogue converter microcircuits exceeding the limits specified in entry IL 1568 in this Group, other than for direct-driven video monitors for normal commercial television;
- (j) they have a central processing unit with a total processing data rate not exceeding 69 million bit per second;
- (k) where control unit-disk drive combinations are included, they have all of the following characteristics-
 - (i) a total transfer rate not exceeding 10.3 million bit per second;
 - (ii) a total connected net capacity not exceeding 1320 million bit (140 MBytes);
 - (iii) a total access rate not exceeding 80 accesses per second, with a maximum of 40 accesses per second for any one drive;
- (l) they do not include equipment specified in head (3) of the entry IL 1519 in Group 3F relating to communication transmission equipment or in the entry IL 1567 in this Group relating to stored-programme-controlled communication switching equipment.'

4. In the definitions at the end of the same entry, there shall be inserted in the appropriate place, the following:-

' "block-move data rate" means the maximum number of pixels which can be moved per second from one location to another in the storage which functions as the frame buffer;

"data-signalling rate" means the rate as defined in ITU Recommendation 53-36, taking into account that, for non-binary modulation, baud and bit per second are not equal; binary digits for coding, checking and synchronization functions are included within the data-signalling rate; the data-signalling rate is the maximum one-way rate, namely the maximum rate in either transmission or reception.

"gateway" means the function, realised by any combination of equipment and software to carry out the conversion of conventions for representing, processing or communicating information used in one system into the corresponding but different conventions used in another system;

“internetwork gateway” means a gateway for two systems which are themselves local area networks, wide area networks or both;

“personal computer” means a microprocessor-based digital computer that is:

- (a) designed for a commercial/office environment;
- (b) designed and announced by the manufacturer for personal, home or business use; and
- (c) available for purchase over the counter at retail stores.’

16th October 1989

Eric Beston
An Assistant Secretary,
Department of Trade and Industry

EXPLANATORY NOTE

(This note is not part of the Order)

This Order further amends the Export of Goods (Control) Order 1987.

Export control is reduced in scope for local area networks, personal computer systems and incorporated computers.

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