

ANNEX 2. THE PRODUCT CLASSIFICATION USED TO ESTIMATE ICT SECTOR TRADE

In the absence of tables of international trade in goods and services by detailed industrial activity which are compatible with the national accounts, ICT sector exports and imports have been estimated using the OECD's International Trade in Commodity Statistics (ITCS) database by applying a Harmonised System Rev. 1 (HS1) to ISIC Rev. 3 conversion key. The conversion method was developed within the OECD for the new STAN database – ahead of implementation of a full HS Rev. 1 to detailed ISIC Rev. 3 conversion regime.

The OECD definition of the ICT manufacturing sector (see Annex 1), based on ISIC Rev. 3 has been used as the basis for the ICT trade indicators. Thus, the trade indicators constructed here reflect trade in goods for which the ICT manufacturing sector can be considered the origin (exports) or the destination (imports) according to the UN standard conversion table. This type of aggregation, as well as the use of a single conversion key for all OECD countries, means that the figures reported here are not strictly comparable with those published in national accounts.

The following table shows the conversion of ICT manufacturing codes using the HS REV 1 classification to the ISIC Rev. 3 classification as used in the STAN database.

Table A.2.1. HS Rev. 1 to ISIC Rev. 3 conversion regime used to estimate ICT sector trade

ISIC Rev. 3	HS Rev. 1	less	DESCRIPTION
3000			Office, accounting and computing machinery
	844312		Offset printing machinery : Sheet fed, office type (sheet size not exceeding 22 x 36 cm)
	8469		Typewriters and word-processing machines.
	8470		Calculating machines; accounting machines, cash registers, postage-franking machines, ticket-issuing machines and similar machines, incorporating a calculating device.
	8471		Automatic data processing machines and units thereof; magnetic or optical readers, machines for transcribing data onto data media in coded form and machines for processing such data, not elsewhere specified or included.
	8472		Other office machines (for example, hectograph or stencil duplicating machines, addressing machines, automatic banknote dispensers, coin-sorting machines, coin-counting or wrapping machines, pencil-sharpening machines, perforating or stapling machines).
	8473		Parts and accessories (other than covers, carrying cases and the like) suitable for use solely or principally with machines of headings Nos. 84.69 to 84.72.
	9009		Photo-copying apparatus incorporating an optical system or of the contact type and thermo-copying apparatus.
3130			Insulated wire and cable
	8544		Insulated (including enamelled or anodised) wire, cable (including co-axial cable) and other insulated electric conductors, whether or not fitted with connectors; optical fibre cables, made up of individually sheathed fibres, whether or not assembled with
		- 854430	<i>Ignition wiring sets and other wiring sets of a kind used in vehicles, aircraft or ships</i>
3210			Electronic valves and tubes and other electronic components
	8532		Electrical capacitors, fixed, variable or adjustable (pre-set).
	8533		Electrical resistors (including rheostats and potentiometers), other than heating resistors.
	8534		Printed circuits.
	8540		Thermionic, cold cathode or photo-cathode valves and tubes (for example, vacuum or vapour or gas filled valves and tubes, mercury arc rectifying valves and tubes, cathode-ray tubes, television camera tubes).
	8541		Diodes, transistors and similar semiconductor devices; photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light emitting diodes; mounted piezo-electric crystals.

Table A.2.1. HS Rev. 1 to ISIC Rev. 3 conversion regime used to estimate ICT sector trade (continued)

3210		Electronic valves and tubes and other electronic components (continued)
8542		Electronic integrated circuits and microassemblies.
3220		TV and radio transmitters and apparatus for line telephony and telegraphy
8517		Electrical apparatus for line telephony or line telegraphy, including such apparatus for carrier-current line systems.
8525		Transmission apparatus for radio-telephony, radio-telegraphy, radio-broadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras.
3230		TV and radio receivers, sound or video recording or reproducing apparatus etc.
8518		Microphones and stands therefor; loud-speakers, whether or not mounted in their enclosures; headphones, earphones and combined microphone/speaker sets; audio-frequency electric amplifiers; electric sound amplifier sets.
8519		Turntables (record-decks) record-players, cassette-players and other sound reproducing apparatus, not incorporating a sound recording device.
8520		Magnetic tape recorders and other sound recording apparatus, whether or not incorporating a sound reproducing device.
8521		Video recording or reproducing apparatus.
8522		Parts and accessories of apparatus of headings Nos. 85.19 to 85.21.
8527		Reception apparatus for radio-telephony, radio-telegraphy or radio-broadcasting, whether or not combined, in the same housing, with sound recording or reproducing apparatus or a clock.
8528		Television receivers (including video monitors and video projectors), whether or not combined, in the same housing, with radio-broadcast receivers or sound or video recording or reproducing apparatus.
8529		Parts suitable for use solely or principally with the apparatus of headings Nos. 85.25 to 85.28.
3312 + 3313		Instruments and appliances for measuring, checking, testing, navigating etc. Industrial process control equipment
8526		Radar apparatus, radio navigational aid apparatus and radio remote control apparatus.
9012		Microscopes other than optical microscopes; diffraction apparatus.
9014		Direction finding compasses; other navigational instruments and appliances.
9015		Surveying (including photogrammetrical surveying), hydrographic, oceanographic, hydrological, meteorological or geophysical instruments and appliances, excluding compasses; rangefinders.
9016		Balances of a sensitivity of 5 cg or better, with or without weights.
9017		Drawing, marking-out or mathematical calculating instruments (for example, drafting machines, pantographs, protractors, drawing sets, slide rules, disc calculators); instruments for measuring length, for use in the hand (for example, measuring rods and ta
9024		Machines and appliances for testing the hardness, strength, compressibility, elasticity or other mechanical properties of materials (for example, metals, wood, textiles, paper, plastics).
9025		Hydrometers and similar floating instruments, thermometers, pyrometers, barometers, hygrometers and psychrometers, recording or not, and any combination of these instruments.
9026		Instruments and apparatus for measuring or checking the flow, level, pressure or other variables of liquids or gases (for example, flow meters, level gauges, manometers, heat meters), excluding instruments and apparatus of heading No. 90.14, 90.15, 90.28
9027		Instruments and apparatus for physical or chemical analysis (for example, polarimeters, refractometers, spectrometers, gas or smoke analysis apparatus); instruments and apparatus for measuring or checking viscosity, porosity, expansion, surface tension or
9028		Gas, liquid or electricity supply or production meters, including calibrating meters therefor.
9029		Revolution counters, production counters, taximeters, mileometers, pedometers and the like; speed indicators and tachometers, other than those of heading No. 90.15; stroboscopes.
9030		Oscilloscopes, spectrum analysers and other instruments and apparatus for measuring or checking electrical quantities, excluding meters of heading No. 90.28; instruments and apparatus for measuring or detecting alpha, beta, gamma, X-ray, cosmic or other i
9031		Measuring or checking instruments, appliances and machines, not specified or included elsewhere in this Chapter; profile projectors.
9032		Automatic regulating or controlling instruments and apparatus.
9033		Parts and accessories (not specified or included elsewhere in this Chapter) for machines, appliances, instruments or apparatus of Chapter 90.