

Annex I. Definition of ICT sector, wholesale and ICT products

Definition of ICT activities, based on NACE, rev.1 nomenclature

ICT manufacturing industry:

3001	Manufacture of office machinery
3002	Manufacture of computers and other information processing equipment
3130	Manufacture of insulated wire and cable
3210	Manufacture of electronic valves and tubes and other electronic components
3220	Manufacture of television and radio transmitters and apparatus for line telephony and line telegraphy
3230	Manufacture of television and radio receivers, sound or video recording or reproducing apparatus and associated goods
3320	Manufacture of instruments and appliances for measuring, checking, testing, navigating and other purposes, except industrial process control equipment
3330	Manufacture of industrial process control equipment

ICT services:

Wholesale

5143	Wholesale of electrical house-hold appliances and radio and television goods
5164	Wholesale of office machinery and equipment
5165	Wholesale of other machinery for use in industry, trade and navigation

Telecommunications

6420	Telecommunications
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Consultancy services

7133	Renting of office machinery and equipment, including computers
7210	Hardware consultancy
7220	Software consultancy and supply
7230	Data processing
7240	Database activities
7250	Maintenance and repair of office, accounting and computing machinery
7260	Other computer related activities

Definition of wholesale activities

Wholesale of electrical household appliances and radio and television goods

	Including:	Leaving out:
Denmark	Wholesale of radio and television goods	Wholesale of electrical household appliances Wholesale of grammophone records, recorded and unrecorded videos Wholesale of white goods
Finland	Wholesale of radio and television goods	Wholesale of electrical household appliances
Norway	Wholesale of radio and television goods	Wholesale of electrical household appliances Wholesale of grammophone records, recorded and unrecorded videos Wholesale, lightning equipment
Sweden	Wholesale of radio and television goods	Wholesale of electrical household appliances Wholesale of grammophone records, tapes, CDs and video tapes

Wholesale of office machinery and equipment

	Including	Leaving out
Denmark	Wholesale of office machinery, computers and equipment	Wholesale of office furniture and office supplies
Finland	Wholesale of computer hardware Wholesale of office machinery for industry, trade and navigation	Wholesale of office furniture
Iceland	Wholesale of computers, typewriters etc.	Wholesale of office equipment

Wholesale of other machinery for use in industry, trade and navigation

	Including:	Leaving out
Denmark	Wholesale of electrical materials	Wholesale of other machinery, equipment and accessories
	Wholesale of electronic components	
Finland	Wholesale of electrical equipment and supplies	Wholesale of machinery for industry, trade and navigation
	Wholesale of telecommunication equipment and electronic components	
Iceland	Wholesale of other machinery for use in industry, trade and navigation	Wholesale of fishing gear and fish-processing industry
Norway	Wholesale of machinery/equipment for trade, transport and services	Wholesale of machinery/equipment for power production
		Wholesale of equipment for ships and fishing gear
		Wholesale of machinery/equipment for oil, gas, quarrying
Sweden	Wholesale of computerized materials handling equipment	Wholesale of measuring and precision instruments
	Wholesale of telecommunication equipment and electronic components	Wholesale of machinery for industry, trade and navigation

Definition of ICT products by PRODCOM

Prodcom(98)	Description
Telecommunications equipment	
32201150	Radio/tv transmission apparatus without reception apparatus
32201170	Radio transmission apparatus with reception apparatus
32201290	Television cameras (incl. closed circuit TV cameras) (excl. camcorders)
32202020	Telephone sets (incl. line telephone sets with cordless handsets, videophones) (excl. telephone answering machines not an integral part of the set)
32202030	Teleprinters
32202040	Telephonic or telegraphic switching apparatus (excl. relays and switching equipment such as selectors for automatic telephone exchangers)
32202050	Telephonic/telegraphic apparatus for carrier-current line systems, n.e.c.
32202060	Electrical telephonic and telegraphic apparatus, n.e.c.
32202075	Facsimile machines
32305220	Telescopic and whip-type aerials for portable apparatus or for apparatus for fitting in motor vehicles
32305235	Outside aerials for radio or television reception via satellite (incl. rotor systems) (excl. aerial amplifiers and radio frequency oscillator units)
32305239	Outside aerials for radio or television reception (incl. rotor systems) (excl. for reception via satellite, aerial amplifiers and radio frequency oscillator units)
32305250	Inside aerials for radio or television reception (incl. built-in types) (excl. aerial amplifiers and radio frequency oscillator units)
32305270	Other aerials and parts
33202030	Radar apparatus
33202050	Radio navigational aid apparatus (incl. radio beacons and radio buoys, receivers, radio compasses equipped with multiple aerials or with a directional frame aerial)
33202070	Radio remote control apparatus (incl. for ships, pilotless aircraft, rockets, missiles, toys, and model ships or aircraft, for machines, for the detonation of mines)
33204400	Instruments and apparatus, for telecommunications
35304000	Spacecraft, satellites and launch vehicles
Consumer electronics	
24651000	Prepared unrecorded media for sound recording or similar recording (excl. photographic or cinematographic products)
32301155	Radio receivers, portable, sound recording or reproducing apparatus
32301159	Radio receivers, portable, n.e.c.
32301175	Radio receivers, with sound recording or reproducing apparatus
32301177	Other radio receivers not combined with sound recording or reproducing apparatus but combined with a clock
32301179	Radio receivers, n.e.c.
32301270	Radio receivers motor vehicles with sound recording or reproducing apparatus
32301290	Radio receivers for motor vehicles, n.e.c.
32302020	Colour television projection equipment and videoprojectors
32302030	Colour televisions with a video recorder or player
32302045	Colour video monitors with cathode-ray tube

32302049	Flat panel video monitor, LCD or plasma, etc., without tuner (colour video monitors) (excl. with cathode-ray tube)
32302050	Colour television receivers with integral tube (excl. television projection equipment, apparatus with a video recorder or player, video monitors)
32302060	Colour television receivers with other screens
32302075	Tuner blocks for CTV/VCR and cable TV receiver units (colour video tuners) (excl. those which isolate high-frequency television signals)
32302079	Satellite TV Receiver/Decoder (colour television receivers) (excl. with a screen, video tuners, video monitors, television projection equipment, with integral tube)
32302083	Black and white or other monochrome video monitors
32302085	Black and white or other monochrome television receivers (excl. video monitors)
32303135	Jukeboxes and the like (coin or disc-operated record-players)
32303139	Record-players and turntables (record decks) (excl. coin or disc-operated record-players)
32303150	Transcribing machines
32303175	Sound reproducing apparatus, cassette type, unable to record
32303179	Other sound reproducing apparatus
32303230	Dictating machines operated by an external source of power
32303250	Telephone answering machines with sound recording apparatus (excl. those forming an integral part of a telephone set)
32303275	Cassette recorders (cassette player/recorders) (incl. recording personal stereos) (excl. those combined with a radio or television receiver, dictating machines, etc.)
32303279	Other tape recorders (magnetic tape player/recorders) (excl. those combined with a radio or television receiver, dictating machines, telephone answering machines, cassette-type)
32303290	Sound recording apparatus (incl. digital disc audio recorders) (excl. dictating machines, telephone answering machines, magnetic tape player/recorders)
32303335	Electronic stills cameras and video camcorders (still image video cameras and other video camera recorders) (excl. closed circuit TV cameras)
32303339	Other video apparatus (+ video tuner) with tapes ≤ 1.3 cm, speed ≤ 50 mm/s
32303350	Other magnetic tape-types video apparatus (incl. or not video tuner)
32303370	Video recorders or player/recorders (incl. laser or digital video disc players/recorders) (excl. those combined with a television, for magnetic tape)
32304100	Microphones and their stands (excl. cordless microphones with a transmitter)
32304235	Single loudspeakers mounted in their enclosures (incl. frames or cabinets mainly designed for mounting loudspeakers)
32304237	Multiple loudspeakers mounted in the same enclosure (incl. frames or cabinets mainly designed for mounting loudspeakers)
32304239	Loudspeakers (incl. speaker drive units, frames or cabinets mainly designed for mounting loudspeakers) (excl. those mounted in their enclosures)
32304270	Headphones, earphones and combined microphone/speaker sets (excl. airmen's headgear with headphones, telephone sets, cordless microphones with a transmitter, hearing aids)
32304355	Telephonic and measurement amplifiers (excl. high or intermediate frequency amplifiers)
32304359	Audio-frequency electric amplifiers (incl. hi-fi amplifiers) (excl. high or intermediate frequency amplifiers, telephonic and measurement amplifiers)
32304370	Electric sound amplifier sets (incl. public address systems with microphone and speaker)
323044Z0	Portable receivers
32305130	Pick-up cartridges for discs or mechanically recorded sound films

Computers

30021100	Analogue or hybrid automatic data processing machines
30021200	Laptop PCs and palm-top organisers
30021300	Desk top PCs
30021400	Digital data processing machines: presented in the form of systems
30021500	Other digital automatic data processing machines whether or not containing in the same housing 1 or 2 of the following units: storage units, input/output units
30021630	Printers and plotters
30021650	Keyboards and scanners
30021670	Input or output units whether or not containing storage units in the same housing (incl. mice) (excl. printers, plotters, keyboards, scanners)
30021730	Central storage units
30021755	CD-ROM drives
30021757	Hard and floppy disk drives
30021770	Magnetic tape storage units
30021790	Storage units (excl. central storage units, disk storage units and magnetic tape storage units)
30021800	Other machines for processing data, n.e.c.
30021900	Parts & access. of machines of HS 8471, incl. parts & access. equally suitable for use with ≥ 2 machines of HS 8469 to 8472 (excl. mice & hard disk drives)

Electronic components

31301200	Insulated coaxial cables and other coaxial electric conductors for data and control purposes whether or not fitted with connectors
31301330	Electric conductors used for telecommunications whether or not fitted with connectors, for a voltage ≤ 80 V
31301350	Other electric conductors for data & control purposes whether or not fitted with connectors, voltage ≤ 80 V
31301370	Insulated electric conductors whether or not fitted with connectors, for a voltage > 80 V but ≤ 1
31301500	Optical fibre cables made up of individually sheathed fibres whether or not assembled with electric conductors or fitted with connectors
32101100	Fixed power capacitors with a power handling capacity of > 0.5 kVAr
32101230	Fixed tantalum capacitors
32101250	Fixed aluminium capacitors
32101273	Fixed single layer ceramic capacitors
32101275	Fixed multilayer ceramic capacitors
32101277	Fixed metallised paper or plastic capacitors
32101279	Other fixed capacitors (excl. tantalum, aluminium, single or multilayer ceramic, metallised paper or plastic)
32101300	Variable capacitors (incl. pre-sets)
32102020	Fixed carbon or metal film resistors
32102035	Other fixed resistors for a power handling capacity ≤ 20 W (excl. heating resistors, light dependent resistors)
32102037	Other fixed electrical resistors for a power handling capacity > 20 W (excl. heating resistors, light dependent resistors)
32102055	Wirewound variable resistors for a power handling capacity ≤ 20 W

32102057	Wirewound variable resistors for a power handling capacity > 20 W
32102070	Non wirewound variable resistors (incl. rheostats, potentiometers and trimmers)
32103050	Bare multilayer printed circuit boards
32103070	Bare printed circuit boards other than multilayer
32103090	Passive networks (incl. networks of resistors and/or capacitors) (excl. resistor chip arrays, capacitor chip arrays, boards containing active components, hybrids)
32104135	Colour TV tubes
32104137	Black and white, monochrome TV tubes
32104139	Monitor tubes (with a phosphor dot screen pitch < 0.4 mm)
32104150	Television camera tubes, image converters and intensifiers and other photo-cathode tubes
32104200	Magnetrons, klystrons, microwave tubes, valves and tubes
32105120	Semiconductor diodes
32105130	Semiconductor power rectifier diodes
32105155	Semiconductor small signal transistors with a dissipation rate < 1 W
32105157	Semiconductor power transistors with a dissipation rate >= 1 W
32105170	Semiconductor thyristors, diacs and triacs
32105235	Semiconductor light emitting diodes (LEDs)
32105237	Photosensitive semiconductor devices; solar cells, photo-diodes, photo-transistors, etc.
32105250	Semiconductor devices (excl. photosensitive semiconductor devices, photovoltaic cells, thyristors, diacs and triacs, transistors, diodes, and light-emitting diodes)
32105270	Mounted piezo-electric crystals (incl. quartz, oscillator and resonators)
32106015	Digital MOS integrated circuits (ICs): wafers not yet cut into chips
32106017	Digital MOS integrated circuits (ICs): chips
32106025	Digital MOS integrated circuits (ICs), DRAM (incl. modules) with a capacity <= 4 Mbits
32106027	Digital MOS integrated circuits (ICs), DRAM (incl. modules) with a capacity > 4 Mbits
32106033	Digital MOS integrated circuits (ICs), SRAM (incl. modules) with a capacity <= 256 Kbits
32106035	Digital MOS integrated circuits (ICs), SRAM (incl. modules) with a capacity > 256 Kbits but <= 1 Mbit
32106037	Digital MOS integrated circuits (ICs), SRAM (incl. modules) with a capacity > 1 Mbit
32106053	MOS UV erasable, programmable, read only memories: EPROMs: storage cap. <= 1 Mbit
32106055	MOS UV erasable, programmable, read only memories: EPROMs: 1 Mbit < storage cap. <= 4 Mbit
32106057	MOS UV erasable, programmable, read only memories: EPROMs: storage cap. > 4 Mbit
32106065	Digital MOS integrated circuits (ICs) EEPROMS and flash EEPROMS
32106069	Digital MOS integrated circuits (ICs) memories (incl. ROM, FIFO, LIFO (excl. circuits consisting solely of passive elements, DRAMS, SRAMS, Cache-RAMS, [E]EPROMS)
32106070	Digital MOS integrated circuits (ICs), (CPUs and MPUs)
32106093	Other digital MOS integrated circuits (ICs) (incl. MPR, MCU, ASIC, standard logic, PLD and other logic)
32106095	Linear (analogue) integrated circuits (ICs)
32106097	Hybrid integrated circuits (excl. circuits consisting solely of passive elements)
32106099	Electronic microassemblies (excl. circuits consisting solely of passive elements, assemblies formed by mounting one or more discrete components on a support)

Office machinery

30011100	Word-processors (incl. automatic typewriters)
30011320	Calculating machines
30011350	Cash registers
30011370	Postage-franking machines, ticket-issuing machines and similar machines incorporating a calculating device
30011430	Parts and accessories of the machines of HS 8469
30011450	Parts and accessories of the electronic calculating of HS 8470
30012150	Blueprint and diazocopiers (excl. ordinary photographic printing frames)
30012170	Electrostatic photocopiers
30012190	Photocopiers incorporating an optical system, thermocopiers and contact type photocopiers (excl. electrostatic photocopiers, blueprinters and diazocopiers)
30012400	Parts and accessories of the machines of HS 8472

Instruments and equipment for detecting, measuring, checking and controlling physical phenomena or processes

33201130	Direction finding compasses (incl. magnetic, gyroscopic, binnacle and position finding)
33201155	Instruments and appliances for aeronautical or space navigation (excl. compasses)
33201159	Instruments and appliances for navigation (incl. for marine or river navigation) (excl. for aeronautical or space navigation, compasses)
33201215	Electronic surveying and hydrographic instruments and appliances (incl. rangefinders, levels, theodolites and tacheometers, photogrammetrical instruments and appliances) (excl. comp)
33201219	Other rangefinders, theodolites and tacheometers, levels, photogrammetrical applications
33201235	Other electronic instruments for meteorological purposes
33201239	Other electronic instruments, n.e.c.
33201253	Instruments and appliances used in geodesy, topography, surveying...
33201255	Other meteorological, hydrological and geophysical instruments and apparatus
33201257	Other surveying, hydrographic... geophysical instruments and appliances
33204100	Instruments and apparatus for measuring or detecting ionising radiations
33204200	Cathode-ray oscilloscopes and cathode-ray oscillographs
33204310	Multimeters
33204330	Instruments and apparatus, for measuring or checking voltage... : electronic
33204355	Voltmeters
33204359	Non-electronic instruments and apparatus, for measuring or checking voltage, current, resistance or power, without a recording device (excl. multimeters, voltmeters)
33204520	Instruments and apparatus for measuring or checking semiconductor wafers or devices
33204530	Instruments and apparatus, with a recording device, for measuring or checking electric gains (excl. gas, liquid or electricity supply or production meters)
33204555	Electronic instruments and apparatus, WITHOUT a recording device, for measuring or checking electric gains (excl. gas, liquid or electricity supply or production meters)
33204559	Non-electronic instruments and apparatus, without a recording device, for measuring or checking electrical gains (excl. multimeters, voltmeters)
33205150	Barometers, not combined with other instruments (incl. barometric altimeters, sympiesometers)
33205175	Electronic hydrometers, hygrometers and psychrometers
33205179	Hydrometers, pyrometers, hygrometers and psychrometers : others

33205271	Instruments... for measuring or checking pressure : electronic
33205273	Non-electronic spiral or metal diaphragm type pressure gauges for measuring and non-automatically regulating tyre pressure
33205275	Instruments for measuring or checking: spiral or metal diaphragm type pressure gauges, others
33205279	Other instruments for measuring or checking pressure: others
33205283	Other electronic instruments and apparatus
33205289	Non-electronic instruments for measuring or checking variables of liquids or gases (incl. heat meters) (excl. for measuring or checking pressure or the flow or level of liquids)
33205313	Electronic gas or smoke analysers
33205319	Non-electronic gas or smoke analysers
33205323	Chromatographs
33205329	Electrophoresis instruments
33205330	Spectrometers, spectrophotometers... using optical radiations
33205340	Exposure meters
33205350	Instruments and apparatus using optical radiations, n.e.c.
33205381	Electronic pH and rH meters and other apparatus for measuring conductivity
33205383	Other electronic instruments and apparatus
33205385	Viscometers, porosimeters and expansion meters
33205389	Other instruments and apparatus for physical and chemical analysis
33206100	Microscopes and diffraction apparatus (excl. optical microscopes)
33206210	Electronic machines and appliances for testing the mechanical properties of metals (excl. metallographic machines or appliances, instruments for detecting defects)
33206233	Non-electronic universal and tensile testing machines and appliances for metals
33206235	Non-electronic hardness testing machines and appliances for metals
33206239	Other machines and appliances for testing metals
33206255	Electronic machines and appliances for testing the properties of materials (excl. for metals)
33206259	Other machines and appliances for testing materials (excl. metals)
33206330	Gas supply or production meters (incl. calibrated)
33206350	Liquid supply or production meters (incl. calibrated) (excl. pumps)
33206370	Electricity supply or production meters (incl. calibrated) (excl. voltmeters, ammeters, wattmeters and the like)
33206430	Revolution counters, production counters, taximeters, mileometers
33206453	Vehicle speed indicators
33206455	Tachometers
33206470	Stroboscopes (incl. photographic or cinematographic cameras permanently incorporated in stroboscopes)
33206510	Machines for balancing mechanical parts
33206520	Test benches
33206530	Profile projectors
33206540	Optical instruments and appliances for measuring or checking, n.e.c.
33206550	Electronic instruments, appliances and machines for measuring or checking geometrical quantities (incl. comparators, coordinate measuring machines (CMMs))
33206570	Other electronic instruments, appliances,... for measuring or checking
33206583	Other instruments, appliances,... for measuring or checking geometrical quantities
33206589	Other instruments, appliances and machines for measuring or checking

33207015	Electronic thermostats
33207019	Non-electronic thermostats
33207030	Manostats
33207050	Hydraulic or pneumatic automatic regulating or controlling instruments and apparatus
33207090	Instruments and apparatus, regulating or controlling, n.e.c.
33208190	Parts and accessories, nes, for machines, appliances, etc, of HS 90
33402115	Image conductor cables
33402119	Optical fibres, optical fibre bundles and cables (excl. image conductor cables, optical fibre cables made up of individually sheathed fibres)
33402153	Prisms, mirrors and other optical elements, n.e.c.
33402155	Mounted lenses, prisms, mirrors, etc, of any material, n.e.c.
33402310	Telescopic sights for fitting to arms; periscopes; telescopes...
33402330	Lasers (excl. laser diodes, machines and appliances incorporating lasers)
33402355	Liquid crystal devices (incl. active matrix liquid crystal devices)
33402359	Optical devices, appliances and instruments, nes : others
33403250	Cameras of a kind used for recording documents on microfilm, microfiche or other microforms
33403270	Cameras for underwater use, for aerial survey or for medical or surgical examination of internal organs, comparison cameras for forensic or criminological purposes
33403390	Photographic apparatus (excl. still image video camera's)
33403430	Cinematographic cameras for film of a width < 16 mm or for double 8 mm film
33403450	Cinematographic cameras (excl. for film of a width < 16 mm wide or for double 8 mm film)
33403530	Cinematographic projectors

ISCED levels of education²⁶

	ISCED	ISCED97
ISCED 0:	Early childhood education.	Pre-primary level of education.
ISCED 1:	Primary level of education.	Primary level of education. .
ISCED 2:	Lower secondary level of education.	Lower secondary level of education.
ISCED 3:	Upper secondary level of education.	Upper secondary level of education.
ISCED 4:	-	Post-secondary non tertiary
ISCED 5:	Non-university level of education.	First stage of tertiary education
ISCED 6:	University degree level of education	Second stage of of tertiary education leading to an advandec research qualification
ISCED 7:	University degree level of education	-
ISCED 9:	No information	Level of unspecified or unknown

²⁶ As the main interest focuses on the higher levels of education, the categories 0, 1, 2 and 9 have been combined into one, which has also been done for the categories 5-7.

Annex II. Statistical tables

Table 1.1 Employment in the ICT sector

	ICT manu- facturing industry	ICT services			Total ICT services	Total manu- facturing industry	Total services activities	Total private sector*
	Wholesale	Tele- commu- nications	Consul- tancy services					
number of employees								
Denmark								
1993	18 325	21 237	12 698	21 166	55 101	390 917	458 251	965 504
1994	18 215	22 147	14 597	16 490	53 234	401 564	463 477	990 407
1995	19 104	23 617	14 567	17 332	55 516	415 283	482 060	1 028 023
1996	19 434	23 314	16 876	18 713	58 903	410 633	499 576	1 040 307
1197	19 358	25 092	15 242	20 280	60 614	407 589	511 475	1 055 983
1998	18 819	26 963	18 489	23 477	68 929	413 404	533 765	1 088 901
Finland								
1994	24 374	11 682	15 354	13 910	40 946	376 127	529 725	985 548
1995	30 824	13 244	16 152	15 552	44 948	391 281	551 179	1 029 461
1996	33 588	14 437	16 489	16 623	47 549	397 392	567 455	1 060 494
1997	36 761	15 790	17 314	17 969	51 073	409 938	594 843	1 109 758
1998	40 084	16 105	18 639	22 292	57 036	417 721	623 317	1 159 352
Iceland								
1996	104	973	1 103	868	3 048	27 356	51 253	84 687
Norway²⁷								
1995	9 641	22 504	10 866	15 375	48 745	299 700	902 200	1 304 400
1996	9 902	23 204	11 307	17 386	51 897	304 400	923 000	1 333 400
1997	10 597	21 113	11 632	23 060	55 805	317 400	954 100	1 386 700
1998	10 704	22 309	11 679	26 618	60 606	319 400	986 900	1 429 600
Sweden								
1993	49 731	23 978	32 980	30 331	87 289	625 437	811 666	1 620 072
1994	51 768	24 970	33 121	32 481	90 572	636 294	877 638	1 689 411
1995	55 122	26 823	31 265	37 311	95 399	662 920	898 933	1 743 409
1996	55 919	27 451	34 655	42 776	104 882	675 339	919 271	1 772 136
1997	59 160	31 095	36 296	48 470	115 861	702 648	1 013 582	1 889 337
1998	65 761	32 636	33 056	57 066	122 758	720 843	1 063 876	1 960 404

* NACE 1537, 45, 50-74, 92, 93

²⁷ Norway: Persons employed

Table 1.2 Number of enterprises

	Denmark 1998	Finland 1998	Iceland 1999	Norway ²⁸ 1998	Sweden 1998
ICT manufacturing industry, total	898	705	26	213	1 356
3001 Manufacture of office machinery	11	2	0	4	49
3002 Manufacture of computers and other information processing equipment	187	55	1	14	292
3130 Manufacture of insulated wire and cable	31	30	0	18	64
3210 Manufacture of electronic valves and tubes and other electronic components	145	222	2	44	215
3220 Manufacture of television and radio transmitters and apparatus for line telephony and line telegraphy	48	71	6	14	118
3230 Manufacture of television and radio receivers, sound or video recording or reproducing apparatus	143	47	2	27	110
3320 Manufacture of instruments and appliances for measuring, checking, testing, navigating etc.equipment	217	209	13	76	378
3330 Manufacture of industrial process control equipment	116	69	2	16	130
ICT services activities, total	11 962	5 335	440	7 990	14 674
of which:					
Wholesale of ICT products:	2 639	1 740	192	4 919	3 927
5143 Wholesale of electrical household appliances and radio and television goods	245	164	24	506	1 206
5164 Wholesale of office machinery and equipment	1 610	932	28	1 992	2 449
5165 Wholesale of other machinery for use in industry, trade and navigation	784	645	140	2 421	4 840
Telecommunications:	151	199	13	219	204
6420 Telecommunications	151	199	13	219	204
Consultancy services, renting of machinery:	9 172	3 396	235	4 400	10 543
7133 Renting of office machinery and equipment, including computers	338	29	0	53	181
7210 Hardware consultancy	469	210	10	109	557
7220 Software consultancy and supply	6 763	2 588	183	3 321	8 911
7230 Data processing	795	208	9	211	447
7240 Database activities	122	111	3	392	93
7250 Maintenance and repair of office, accounting and computing machinery	303	237	8	197	171
7260 Other computer related activities	382	13	22	117	183
Manufacturing industry	27 462	26 347	1 983	n.a.	33 117
Services activities	162 296	129 583	6 685	n.a.	201 937
Total private sector*	229 452	194 670	10 912	n.a.	265 143

Note) Wholesale figures are based on national delineation of ICT wholesale, cf. also Annex 1.

* NACE 15-37, 45, 50-74, 92, 93

²⁸ Norway: Establishments

Table 1.3 Turnover in mill. national currencies

	ICT manu- facturing industry	ICT services			Total ICT services	Total manu- facturing industry	Total services activities	Total private sector*
		Whole- sale	Tele commu- nications	Consul- tancy services				
turnover, mill. national currencies								
Denmark								
1993	16 314	45 823	16 941	14 565	77 329	418 298	818 780	1 324 474
1994	17 128	55 599	19 943	17 267	92 809	455 858	895 292	1 449 220
1995	17 169	59 722	21 210	20 115	101 047	474 138	944 924	1 523 667
1996	18 883	66 696	20 481	18 450	105 627	468 919	981 473	1 563 957
1997	20 252	76 617	22 849	24 488	123 954	488 258	1 055 165	1 666 537
1998	21 070	85 842	25 869	30 680	142 391	495 368	1 100 347	1 725 946
Finland								
1994	25 925	19 678	9 649	8 326	37 654	351 267	470 063	866 500
1995	34 191	24 667	10 563	9 043	44 272	379 959	503 455	933 586
1996	40 168	30 211	12 719	10 263	53 193	397 514	545 188	997 751
1997	53 057	36 390	15 518	10 736	62 644	448 899	602 880	1 114 939
1998	71 784	39 653	20 448	16 026	76 127	470 063	657 895	1 200 527
Iceland								
1998	886	19 266	12 326	7 609	39 201	247 783	508 726	820 795
1999	983	19 804	15 447	13 184	48 435	255 529	571 659	896 377
Norway								
1995	13 356	54 835	32 758	15 620	103 213	366 194	1 114 287	1 582 038
1996	14 977	57 674	36 570	18 079	112 323	385 025	1 185 237	1 680 253
1997	16 864	59 879	42 092	24 216	126 187	421 646	1 290 169	1 834 114
1998	17 145	64 929	46 813	30 341	142 083	436 406	1 372 828	1 940 586
Sweden								
1993	61 159	62 296	23 249	31 878	117 424	799 925	1 374 151	2 354 685
1994	84 877	71 595	48 420	40 289	160 304	948 548	1 551 646	2 678 677
1995	105 038	100 656	52 288	46 258	199 201	1 103 045	1 753 572	3 040 641
1996	122 676	98 326	47 835	51 743	197 904	1 106 880	1 771 619	3 065 726
1997	143 232	112 504	55 498	57 290	225 292	1 184 118	2 001 014	3 364 775
1998	169 634	131 311	64 179	72 156	267 645	1 261 757	2 127 743	3 572 954

* NACE 15-37, 45, 50-74, 92, 93

Table 1.4 Gross value added in mill. national currencies

	ICT manu- facturing industry	ICT services			Total ICT services	Total manu- facturing industry	Total services activities	Total private sector*
		Whole- sale	Tele- commu- nications	Consul- tancy services				
	gross value added, mill. national currencies							
Denmark								
1993	8 004	12 657	n a	9 385	22 042	177 908	256 698	475 801
1994	8 482	13 910	n a	10 741	24 651	190 718	265 464	501 354
1995	8 675	15 500	n a	12 513	28 013	201 023	280 562	529 852
1996	8 856	15 924	n a	12 531	28 455	198 836	298 667	548 069
1997	9 970	18 363	n a	17 134	35 497	211 304	306 286	273 450
1998	10 113	20 276	n a	20 293	40 569	216 626	319 505	595 999
Finland*								
1997	17 529	5 471	8 277	5 804	19 552	143 089	144 408	310 416
1998	24 643	5 906	9 748	7 721	23 374	156 399	161 289	343 906
Norway								
1995	4 528	n.a.	11 187	n.a.	n.a.	111 072	321 043	463 915
1996	4 923	7 901	12 226	8 592	28 719	111 736	340 279	486 414
1997	5 445	10 091	12 789	10 011	32 890	120 782	366 762	527 516
1998	5 654	12 802	14 131	12 205	39 137	130 067	393 925	568 614
Sweden								
1993	19 344	11 691	16 353	13 964	42 008	243 065	280 657	578 916
1994	23 591	13 704	21 991	16 078	51 773	289 245	328 598	672 182
1995	26 892	15 896	20 709	19 528	56 133	329 877	351 735	741 968
1996	29 131	14 906	24 746	22 750	62 399	313 861	366 179	741 594
1997	41 822	17 621	28 694	27 356	73 671	358 862	487 213	906 742
1998	41 606	19 152	27 922	33 821	80 896	387 175	528 887	985 802

Finland: Value added at factor costs

* NACE 15-37, 45, 50-74, 92, 93

Table 1.5 Wages and salaries in mill. national currencies

	ICT manu- facturing industry	ICT services			Total ICT services	Total manu- facturing industry	Total services activities	Total private sector*
		Whole- sale	Tele- commu- nications	Consul- tancy services				
	wages and salaries, mill. national currencies							
Denmark								
1993	4 523	6 512	3 037	6 998	16 547	90 088	107 278	222 498
1994	4 564	7 012	3 612	5 600	16 224	94 934	112 678	235 578
1995	4 831	7 548	3 703	5 967	17 218	100 611	119 354	249 631
1996	5 022	7 608	4 671	6 612	18 891	102 533	127 494	259 967
1997	5 113	8 539	5 190	7 435	21 164	105 084	135 377	272 782
1998	5 415	9 631	5 759	9 156	24 546	109 850	146 511	290 724
Finland								
1994	3 204	2 024	2 233	2 364	6 621	48 840	62 428	118 787
1995	4 108	2 319	2 329	2 521	7 168	53 769	66 118	128 811
1996	4 739	2 589	2 511	2 760	7 860	56 358	69 940	136 177
1997	5 712	2 927	2 797	3 043	8 766	60 226	75 018	146 368
1998	6 794	3 123	3 098	4 349	10 570	64 738	82 485	160 131
Norway								
1995	3 289	6 821	3 729	5 578	16 128	75 780	188 515	286 500
1996	3 701	7 121	4 207	6 203	17 350	79 788	202 661	306 595
1997	4 005	7 507	4 789	8 636	20 932	86 884	220 375	336 155
1998	4 149	8 122	5 194	11 228	24 544	93 199	243 685	370 546
Sweden								
1993	10 286	6 113	7 824	7 833	21 770	121 441	150 270	304 364
1994	11 338	6 711	7 708	8 713	23 132	128 991	166 988	327 682
1995	12 941	7 135	7 632	10 484	25 251	143 015	179 871	356 833
1996	14 164	7 438	9 374	12 484	29 296	153 685	192 410	380 903
1997	15 800	8 715	8 700	14 819	32 234	165 767	220 028	420 569
1998	18 504	9 898	9 768	18 977	38 643	175 190	245 549	458 347

* NACE 15-37, 45, 50-74, 92, 93

Table 2.1 ICT products as a proportion of total exports in 1996-1999

	1996	1997	1998	1999
Denmark	7.2	8.1	8.6	8.8
Finland	14.3	16.5	19.8	22.1
Iceland	0.1	0.1	0.1	0.1
Norway	2.8	3.2	4.0	3.5
Sweden	14.2	16.0	16.3	18.5

Table 2.2 ICT products as a proportion of total imports in 1996-1999

	1996	1997	1998	1999
Denmark	12.2	12.4	11.9	13.3
Finland	14.2	15.0	16.3	16.8
Iceland	9.0	9.3	9.6	9.9
Norway	10.8	10.2	10.5	11.3
Sweden	14.3	15.1	16.5	15.9

Table 2.3.a Foreign trade in ICT products in 1996-1999, in 1.000 national currency

		Denmark	Finland	Iceland	Norway	Sweden
1996	Exports	21 367 455	26 690 483	88 718	9 057 445	81 270 644
	Imports	31 859 884	20 066 254	11 294 745	24 737 284	64 126 461
1997	Exports	26 140 103	35 208 076	138 328	10 814 459	100 943 443
	Imports	36 504 279	24 158 899	12 209 995	25 810 354	75 914 967
1998	Exports	27 835 798	45 596 762	182 913	12 263 909	110 215 596
	Imports	36 791 563	28 218 494	15 564 607	29 608 336	89 826 051
1999	Exports	30 636 470	51 607 861	181 064	12 549 781	129 756 709
	Imports	41 569 223	29 619 280	16 562 389	30 052 827	90 161 028

Table 2.3.b Foreign trade in ICT products in 1996-1999, in 1.000 national currency

	Eksports/imports			
	1996	1997	1998	1999
Denmark	0.7	0.7	0.8	0.7
Finland	1.3	1.5	1.6	1.7
Iceland	0.0	0.0	0.0	0.0
Norway	0.4	0.4	0.4	0.4
Sweden	1.3	1.3	1.2	1.4

**Table 2.3.c Foreign trade in ICT products, 1996-1999, in 1000 ECU and Euro
(mean value of the year)**

		Denmark	Finland	Iceland	Norway	Sweden
1996	Exports	2 942 203	4 641 016	1 062	1 104 566	9 675 537
	Imports	4 386 964	3 489 176	135 202	3 016 742	7 634 466
	Exports/ imports	0.67	1.33	0.01	0.37	1.27
1997	Exports	3 502 814	6 004 106	1 725	1 350 120	11 676 714
	Imports	4 891 630	4 119 867	152 282	3 222 266	8 781 525
	Exports/ imports	0.72	1.46	0.01	0.42	1.33
1998	Exports	3 704 673	7 607 067	2 290	1 451 350	12 343 775
	Imports	4 896 597	4 707 790	194 874	3 503 945	10 060 215
	Exports/ imports	0.76	1.62	0.01	0.41	1.23
1999	Exports	4 120 242	8 679 819	2 347	1 510 202	14 732 290
	Imports	5 590 567	4 981 605	214 650	3 616 465	10 236 684
	Exports/ imports	0.74	1.74	0.01	0.42	1.44

Table 2.4.a Growth rate of foreign trade in ICT products, 1996-1999, in 1000 ECU and Euro (mean value of the year)

	Exports growth in per cent				Imports growth in per cent			
	96-97	97-98	98-99	96-99	96-97	97-98	98-99	96-99
Denmark	19.1	5.8	11.2	40.0	11.5	0.1	14.2	27.4
Finland	29.4	26.7	14.1	87.0	18.1	14.3	5.8	42.8
Iceland	62.4	32.8	2.5	121.0	12.6	28.0	10.1	58.8
Norway	22.2	7.5	4.1	36.7	6.8	8.7	3.2	19.9
Sweden	20.7	5.7	19.3	52.3	15.0	14.6	1.8	34.1

Table 2.4.b Growth rate of foreign trade in ICT products, 1996-1999, in 1000 ECU and Euro (mean value of the year)

	Exports growth in per cent	Imports growth in per cent	Exchange rate for ECU and Euro			
	1996-1999	1996-1999	1996	1997	1998	1999
Denmark	40.0	27.4	7.26240	7.46260	7.51370	7.43560
Finland	87.0	42.8	5.75100	5.86400	5.99400	5.94573
Iceland	121.0	58.8	83.54000	80.18000	79.87000	77.16000
Norway	36.7	19.9	8.20000	8.01000	8.45000	8.31000
Sweden	52.3	34.1	8.39960	8.64485	8.92884	8.80764

Table 2.5.a ICT exports and imports in 1996-1999 by product groups. Denmark

Product class	1996	1997	1998	1999
	1,000 DKK			
Telecommunications equipment				
Exports	5 005 595	7 430 994	9 351 875	10 863 206
Imports	6 083 704	7 670 278	9 355 242	10 854 026
Balance	-1 078 109	- 239 284	- 3 367	9 180
Consumer electronics				
Exports	4 275 310	4 878 088	4 791 530	4 792 852
Imports	5 233 109	5 491 780	5 065 774	4 921 647
Balance	- 957 799	- 613 692	- 274 244	- 128 795
Computers				
Exports	5 809 923	6 187 727	5 777 722	6 465 645
Imports	13 598 451	14 736 243	12 895 007	16 685 345
Balance	-7 788 528	-8 548 516	-7 117 285	-10 219 700
Electronic components				
Exports	1 969 282	2 609 603	2 644 342	2 560 875
Imports	3 589 807	4 651 413	5 309 579	4 867 800
Balance	-1 620 525	-2 041 810	-2 665 237	-2 306 925
Office machinery				
Exports	284 461	299 268	319 897	347 813
Imports	1 066 435	1 279 822	1 361 613	1 358 997
Balance	- 781 974	- 980 554	-1 041 716	-1 011 184
Instruments for measuring etc.²⁹				
Exports	4 022 884	4 734 423	4 950 432	5 606 079
Imports	2 288 378	2 674 743	2 804 348	2 881 408
Balance	1 734 506	2 059 680	2 146 084	2 724 671
ICT Foreign trade, total				
Exports	21 367 455	26 140 103	27 835 798	30 636 470
Imports	31 859 884	36 504 279	36 791 563	41 569 223
Balance	-10 492 429	-10 364 176	-8 955 765	-10 932 753
Foreign trade, total				
Exports	295 884 500	321 185 500	322 797 100	346 438 400
Imports	260 847 800	293 522 100	308 816 800	311 583 400
Balance	35 036 700	27 663 400	13 980 300	34 855 000

²⁹ Instruments and equipment for detecting, measuring, checking and controlling physical phenomena or processes

Table 2.5.b ICT exports and imports in 1996-1999 by product groups. Finland

Product class	1996	1997	1998	1999
	1.000 FIM			
Telecommunications equipment				
Export	17 917 169	23 630 715	32 837 466	39 627 617
Import	3 392 226	4 024 477	5 137 828	6 365 232
Balance	14 524 943	19 606 238	27 699 638	33 262 385
Consumer electronics				
Export	945 904	1 304 934	1 340 923	722 539
Import	1 456 454	1 493 226	2 026 829	2 053 194
Balance	- 510 550	- 188 292	- 685 906	-1 330 655
Computers				
Export	4 472 570	5 800 503	5 458 540	4 763 851
Import	6 288 652	7 544 368	9 131 577	8 987 769
Balance	-1 816 082	-1 743 865	-3 673 037	-4 223 918
Electronic components				
Export	1 042 739	1 382 933	2 520 652	2 745 106
Import	6 279 498	8 030 331	8 681 646	8 972 037
Balance	-5 236 759	-6 647 398	-6 160 994	-6 226 931
Office machinery				
Export	112 552	159 159	221 744	136 838
Import	546 561	726 250	809 874	828 700
Balance	- 434 009	- 567 091	- 588 130	- 691 862
Instruments for measuring etc.³⁰				
Export	2 199 549	2 929 832	3 217 437	3 611 910
Import	2 102 863	2 340 247	2 430 740	2 412 348
Balance	96 686	589 585	786 697	1 199 562
ICT foreign trade, total				
Export	26 690 483	35 208 076	45 596 762	51 607 861
Import	20 066 254	24 158 899	28 218 494	29 619 280
Balance	6 624 229	11 049 177	17 378 268	21 988 581
Foreign trade, total				
Export	186 334 206	212 840 366	230 568 673	233 343 286
Import	141 719 878	160 994 651	172 819 152	176 535 604
Balance	44 614 328	51 845 715	57 749 521	56 807 682

³⁰ Instruments and equipment for detecting, measuring, checking and controlling physical phenomena or processes

Table 2.5.c ICT exports and imports in 1996-1999 by product groups. Iceland

Product class	1996	1997	1998	1999
	1,000 ISK			
Telecommunications equipment				
Exports	661	2 826	8 127	29 034
Imports	2 410 679	2 805 639	3 732 592	4 012 184
Balance	-2 410 018	-2 802 813	-3 724 465	-3 983 150
Consumer electronics				
Exports	2 216	1 946	4 590	6 290
Imports	1 818 869	1 995 199	2 644 423	2 708 536
Balance	-1 816 653	-1 993 254	-2 639 833	-2 702 246
Computers				
Exports	36 833	15 535	76 127	22 462
Imports	4 221 149	4 417 728	5 577 981	6 366 888
Balance	-4 184 317	-4 402 193	-5 501 855	-6 344 426
Electronic components				
Exports	313	1 285	2 349	2 289
Imports	864 873	1 276 529	1 207 938	1 162 739
Balance	-864.560	-1 275 244	-1 205 588	-1 160 450
Office machinery				
Exports	0	81	2	390
Imports	316 219	268 590	324 403	375 847
Balance	- 316 219	- 268 509	- 324 401	- 375 457
Instruments for measuring etc.³¹				
Exports	48 696	116 656	91 718	120 599
Imports	1 662 955	1 446 310	2 077 270	1 936 194
Balance	-1 614 259	-1 329 654	-1 985 552	-1 815 595
ICT foreign trade, total				
Exports	88 718	138 328	182 913	181 064
Imports	11 294 745	12 209 995	15 564 607	16 562 389
Balance	-11 206 023	-12 071 667	-15 381 694	-16 381 325
Foreign trade, total				
Exports	125 689 779	131 213 245	136 591 964	144 928 114
Imports	124 836 067	131 325 744	162 061 593	167 778 015
Balance	853 712	- 112 499	-25 469 629	-22 849 901

³¹ Instruments and equipment for detecting, measuring, checking and controlling physical phenomena or processes

Table 2.5.d ICT exports and imports in 1996-1999 by product groups. Norway

Product class	1996	1997	1998	1999
	1.000 NOK			
Telecommunications equipment				
Exports	3 337 234	4 606 319	5 017 025	4 736 476
Imports	5 069 449	5 794 009	7 358 955	7 616 455
Balance	-1 732 215	-1 187 690	-2 341 930	-2 879 979
Consumer electronics				
Exports	262 179	379 816	468 765	436 574
Imports	4 916 402	2 724 472	3 049 556	3 127 581
Balance	-4 654 223	-2 344 656	-2 580 791	-2 691 007
Computers				
Exports	2 241 056	2 723 165	3 108 880	3 517 908
Imports	9 005 840	11 017 391	12 288 164	12 643 757
Balance	-6 764 784	-8 294 226	-9 179 284	-9 125 849
Electronic components				
Exports	1 228 759	892 682	954 291	1 036 612
Imports	2 475 080	2 824 329	3 019 000	2 928 841
Balance	-1 246 321	-1 931 647	-2 064 709	-1 892 229
Office machinery				
Exports	190 520	130 084	279 801	357 912
Imports	921 314	945 772	1 055 168	973 012
Balance	- 730 794	- 815 688	- 775 367	- 615 100
Instruments for measuring etc.³²				
Exports	1 797 697	2 082 393	2 435 147	2 464 299
Imports	2 349 199	2 504 381	2 837 493	2 763 181
Balance	- 551 502	- 421 988	- 402 346	- 298 882
ICT Foreign trade, total				
Exports	9 057 445	10 814 459	12 263 909	12 549 781
Imports	24 737 284	25 810 354	29 608 336	30 052 827
Balance	-15 679 839	-14 995 895	-17 344 427	-17 503 046
Foreign trade, total				
Exports	320 128 000	342 421 000	304 653 000	355 171 000
Imports	229 720 000	252 232 000	282 638 000	266 677 000
Balance	90 408 000	90 189 000	22 015 000	88 494 000

³² Instruments and equipment for detecting, measuring, checking and controlling physical phenomena or processes

Table 2.5.e ICT exports and imports in 1996-1999 by product groups. Sweden

Product class	1996	1997	1998	1999
	1,000 SEK			
Telecommunications equipment				
Exports	57 462 548	75 222 117	82 306 429	100 521 126
Imports	14 752 227	20 197 986	26 574 294	25 218 562
Balance	42 710 321	55 024 131	55 732 135	75 302 564
Consumer electronics				
Exports	2 102 243	2 163 474	3 923 037	5 183 324
Imports	5 725 585	6 312 467	7 148 991	8 178 341
Balance	-3 623 342	-4 148 993	-3 225 954	-2 995 017
Computers				
Exports	5 260 153	5 491 398	4 989 032	4 766 129
Imports	21 705 710	23 219 813	28 929 015	26 094 780
Balance	-16 445 557	-17 728 415	-23 939 983	-21 328 651
Electronic components				
Exports	8 378 218	9 585 000	9 975 259	9 968 950
Imports	12 945 092	16 618 747	17 057 169	20 536 303
Balance	-4 566 874	-7 033 747	-7 081 910	-10 567 353
Office machinery				
Exports	898 200	956 992	960 304	720 950
Imports	1 453 141	1 710 160	1 660 518	1 464 267
Balance	- 554 941	- 753 168	- 700 214	- 743 317
Instruments for measuring etc.³³				
Exports	7 169 282	7 524 462	8 061 535	8 596 230
Imports	7 544 706	7 855 794	8 456 064	8 668 775
Balance	- 375 424	- 331 332	- 394 529	- 72 545
ICT Foreign trade, total				
Exports	81 270 644	100 943 443	110 215 596	129 756 709
Imports	64 126 461	75 914 967	89 826 051	90 161 028
Balance	17 144 183	25 028 476	20 389 545	39 595 681
Foreign trade, total				
Exports	569 200 000	632 800 000	675 100 000	701 000 000
Imports	448 700 000	501 100 000	545 000 000	566 100 000
Balance	120 500 000	131 700 000	130 100 000	134 900 000

³³ Instruments and equipment for detecting, measuring, checking and controlling physical phenomena or processes

Table 3.1.a Number of employed persons by gender. Denmark 1998

	Persons employed		Total	Persons employed		Total
	Male	Female		Male	Female	
	number of persons employed			per cent		
ICT manufacturing industry, total	13 318	9 750	23 068	58	42	100
ICT services activities, total	54 931	23 419	78 350	70	30	100
of which:						
Wholesale of ICT products	21 325	7 631	28 956	74	26	100
Telecommunications	11 264	7 765	19 029	59	41	100
Consultancy services, renting of machinery	22 342	8 023	30 365	746	26	100
Manufacturing industry, total,	326 259	153 092	479 351	68	32	100
Services activities, total	612 009	437 045	1 049 054	58	42	100
Total private sector*	1 091 570	622 989	1 714 559	64	36	100

* NACE 15-37, 45, 50-74, 92, 93

Table 3.1.b Number of employed persons by gender. Iceland 1999

	Persons employed		Total	Persons employed		Total
	Male	Female		Male	Female	
	number of persons employed			per cent		
ICT manufacturing industry, total	100	100	200	50	50	100
ICT services activities, total	2 500	1 300	3 800	66	34	100
of which:						
Wholesale of ICT products	600	200	800	75	25	100
Telecommunications	600	500	1 100	50	42	100
Consultancy services, renting of machinery	1 800	500	2 300	78	22	100
Manufacturing industry, total	13 600	6 900	20 500	66	34	100
Services activities, total	24 500	25 400	49 900	49	51	100
Total private sector*	43 900	33 900	77 800	56	44	100

* NACE 15-37, 45, 50-74, 92, 93

Table 3.1.c Number of employed persons by gender. Finland 1998

	Persons employed		Total	Persons employed		Total
	Male	Female		Male	Female	
	number of persons employed			per cent		
ICT manufacturing industry, total	24 540	14 630	39 170	63	37	100
ICT services activities, total	35 914	17 381	53 295	67	33	100
of which:						
Wholesale of ICT products	12 005	4 545	16 550	73	27	100
Telecommunications	9 109	6 318	15 427	59	41	100
Consultancy services, renting of machinery	14 800	6 518	21 318	69	31	100
Manufacturing industry, total	296 362	129 636	425 998	70	30	100
Services activities, total	407 130	362 859	769 989	53	47	100
Total private sector*	817 853	519 593	1 337 446	61	39	100

* NACE 15-37, 45, 50-74, 92, 93

Table 3.1.d Number of employed persons by gender. Norway 1999

	Persons employed		Total	Persons employed		Total
	Male	Female		Male	Female	
	number of persons employed			per cent		
ICT manufacturing industry, total	7 784	2 751	10 535	73	27	100
ICT services activities, total	58 979	21 848	80 827	74	26	100
of which:						
Wholesale of ict products	25 383	8 033	33 416	75	25	100
Telecommunications	7 427	5 030	12 457	71	29	100
Consultancy services, renting of machinery	20 546	6 884	27 430	74	26	100
Manufacturing industry, total	215 805	72 541	288 346	75	25	100
Services activities, total	462 277	349 723	812 000	56	44	100
Total private sector*	-	-	-	-	-	-

* NACE 15-37, 45, 50-74, 92, 93

Table 3.1.e Number of employed persons by gender. Sweden 1998

	Persons employed		Total	Persons employed		Total
	Male	Female		Male	Female	
	number of persons employed			per cent		
ICT manufacturing industry, total	46 051	22 819	68 870	67	33	100
ICT services activities, total	92 493	38 406	130 899	71	29	100
of which:						
Wholesale of ICT products	25 190	9 329	34 519	73	27	100
Telecommunications	19 460	11 290	30 750	63	37	100
Consultancy services, renting of machinery	47 843	17 787	65 630	73	27	100
Manufacturing industry, total	566 819	202 322	769 141	74	26	100
Services activities, total	819 049	587 505	1 406 554	58	42	100
Total private sector*	1 590 184	826 432	2 416 616	66	34	100

* NACE 15-37, 45, 50-74, 92, 93

Table 3.2.a Number of employed persons by age Denmark 1998

	Persons employed						Total
	<25 year	25-34 years	35-44 years	45-54 years	55-64 years	>64 years	
	per cent						
ICT manufacturing industry, total	12	32	29	20	7	1	100
ICT services activities, total	10	35	29	20	6	1	100
of which:							
Wholesale of ICT products	11	39	26	17	7	1	100
Telecommunications	10	25	31	26	8	0	100
Consultancy services, renting of machinery	8	37	31	18	5	0	100
Manufacturing industry, total	16	27	24	21	10	1	100
Services activities, total	23	26	21	19	9	2	100
Total private sector*	20	26	22	20	9	2	100

* NACE 15-37, 45, 50-74, 92, 93

Table 3.2.b Number of employed persons by age Finland 1998

	Persons employed						Total
	<25	25-34	35-44	45-54	55-64	>64	
	year	years	years	years	years	years	
	per cent						
ICT manufacturing industry, total	14	44	25	14	2	0	100
ICT services activities, total	9	33	32	22	4	0	100
of which:							
Wholesale of ICT products	9	35	33	19	4	0	100
Telecommunications	8	30	29	27	6	0	100
Consultancy services, renting of machinery	10	33	33	21	3	0	100
Manufacturing industry, total	11	25	28	29	8	0	100
Services activities, total	13	24	27	26	8	0	100
Total private sector*	12	25	28	28	8	0	100

* NACE 15-37, 45, 50-74, 92, 93

Table 3.2.c Number of employed persons by age Iceland 1999

	Persons employed						Total
	<25	25-34	35-44	45-54	55-64	>64	
	year	years	years	years	years	years	
	per cent						
ICT manufacturing industry, total	0	0	0	0	100	0	100
ICT services activities, total	13	33	29	16	7	2	100
of which:							
Wholesale of ICT products	10	30	30	20	10	0	100
Telecommunications	17	25	25	17	17	0	100
Consultancy services, renting of machinery	13	43	26	13	4	0	100
Manufacturing industry, total	19	21	23	22	10	4	100
Services activities, total	23	24	24	18	9	3	100
Total private sector*	22	23	24	18	9	3	100

* NACE 15-37, 45, 50-74, 92, 93

Table 3.2.d Number of employed persons by age Norway 1999

	Persons employed						Total
	<25	25-34	35-44	45-54	55-64	>64	
	year	years	years	years	years	years	
	per cent						
ICT manufacturing industry, total	6	32	29	22	11	1	100
ICT services activities, total	9	35	28	19	8	1	100
of which:							
Wholesale of ict products	9	37	28	18	7	1	100
Telecommunications	8	34	26	22	9	0	100
Consultancy services, renting of machinery	7	39	32	17	5	0	100
Manufacturing industry, total	10	26	26	23	13	1	100
Services activities, total	16	27	24	21	11	2	100
Total private sector*	14	27	25	21	11	2	100

* NACE 15-37, 45, 50-74, 92, 93

Table 3.2.e Number of employed persons by age Sweden 1998

	Persons employed						Total
	<25	25-34	35-44	45-54	55-64	>64	
	year	years	years	years	years	years	
	per cent						
ICT manufacturing industry, total	11	34	24	20	10	1	100
ICT services activities, total	9	35	26	21	7	0	100
of which:							
Wholesale of ICT products	12	39	25	16	7	1	100
Telecommunications	5	22	26	35	12	0	100
Consultancy services, renting of machinery	9	40	27	18	6	0	100
Manufacturing industry, total	10	27	24	24	14	1	100
Services activities, total	12	27	23	23	13	2	100
Total private sector*	11	26	23	24	14	2	100

* NACE 15-37, 45, 50-74, 92, 93

Table 3.3.a Number of employed persons by level of education Finland 1998

	Below upper secondary education ¹⁾	Upper secondary education ²⁾	Non-univer- sity and university tertiary education ³⁾	Total
	per cent			
ICT manufacturing industry, total	16	40	45	100
ICT services activities, total	13	35	52	100
of which:				
Wholesale of ICT products	15	34	51	100
Telecommunications	18	38	44	100
Consultancy services, renting of machinery	8	33	59	100
Manufacturing industry, total	27	48	24	100
Services activities, total	28	41	31	100
Total private sector*	28	44	28	100

¹⁾ ISCED 97, 0/1/2 + no information (ISCED 9)

²⁾ ISCED 97, 3 and 4

³⁾ ISCED 97, 5 and 6

* NACE 15-37, 45, 50-74, 92, 93

Table 3.3.b Number of employed persons by level of education Iceland 1999

	Below upper secondary education ¹⁾	Upper secondary education ²⁾	Non- university tertiary education ³⁾	Univer-sity level education ⁴⁾	Total
	per cent				
ICT manufacturing industry, total	0	100	0	0	100
ICT services activities, total	18	39	23	20	100
of which					
Wholesale of ict products	30	40	30	0	100
Telecommunications	33	42	17	8	100
Consultancy services, renting of machinery	5	36	23	36	100
Manufacturing industry, total	52	27	14	7	100
Services activities, total	44	28	11	16	100
Total private sector*	45	29	15	12	100

Note: * Relative standard error over 20%

¹⁾ ISCED 0/1/2 + no information (ISCED 9)

²⁾ ISCED 3

³⁾ ISCED 5

⁴⁾ ISCED 6/7

* NACE 15-37, 45, 50-74, 92, 93

Table 3.3.c Number of employed persons by level of education Norway 1999

	Below upper secondary education ¹⁾	Upper secondary education ²⁾	Non- university tertiary education ³⁾	Univer-sity level education ⁴⁾	Total
	per cent				
ICT manufacturing industry, total	10	52	14	24	100
ICT services activities, total	7	50	19	24	100
of which:					
Wholesale of ict products	9	63	16	13	100
Telecommunications	6	55	19	21	100
Consultancy services, renting of machinery	6	37	22	35	100
Manufacturing industry, total	15	71	7	7	100
Services activities, total	13	64	12	11	100
Total private sector*	13	68	10	9	100

¹⁾ ISCED 0/1/2 + no information (ISCED 9)

²⁾ ISCED 3

³⁾ ISCED 5

⁴⁾ ISCED 6/7

* NACE 15-37, 45, 50-74, 92, 93

Table 3.3.d Number of employed persons by level of education Sweden 1998

	Below upper secondary education ¹⁾	Upper secondary education ²⁾	Non-univer- sity and university tertiary education ³⁾	Total
	per cent			
ICT manufacturing industry, total	17	46	37	100
ICT services activities, total	8	45	47	100
of which:				
Wholesale of ict products	11	54	35	100
Telecommunications	9	64	28	100
Consultancy services, renting of machinery	6	32	62	100
Manufacturing industry, total	29	53	18	100
Services activities, total	23	52	24	100
Total private sector*	26	54	21	100

¹⁾ ISCED 0/1/2 + no information (ISCED 9)

²⁾ ISCED 3 and 4

³⁾ ISCED 5, 6 and 7

* NACE 15-37, 45, 50-74, 92, 93

Annex III. Data definitions and data sources

Denmark

Variable ³⁴	Source	Further information
Number of employees (16 13 0)	Statistics of employment and establishments	<i>Danmarks Statistik, Statistiske Efterretninger, Generel erhvervsstatistik (General business statistics) 2000:4, Erhvervsbeskæftigelsen 1998</i>
Persons employed (16 11 0)	Statistics of employment and establishments	<i>Danmarks Statistik, Statistiske Efterretninger, Generel erhvervsstatistik (General business statistics) 2000:4, Erhvervsbeskæftigelsen 1998</i>
Turnover (12 11 0)	Statistics of turnover in industries	<i>Danmarks Statistik, Statistiske Efterretninger, Generel erhvervsstatistik (General business statistics) 2000:6, Momsregistrerede virksomheder 1998: Antal, omsætnings- og eksportfordelinger</i>
Gross value added (value added at basic prices) (12 14 0)	General accounts statistics for non-agricultural industries	<i>Danmarks Statistik, Statistiske Efterretninger, Generel erhvervsstatistik (General business statistics) 2000:10, Generel regnskabsstatistik 1998</i>
Wages and salaries (13 32 0)	Statistics of employment and establishments	<i>Danmarks Statistik, Statistiske Efterretninger, Generel erhvervsstatistik (General business statistics) 2000:4, Erhvervsbeskæftigelsen 1998</i>
Number of enterprises (11 11 0)	Statistics on enterprises	<i>Danmarks Statistik, Statistiske Efterretninger, Generel erhvervsstatistik (General business statistics) 2000:13, Firmastatistik 1998</i>
Persons employed, by gender (16 11 0)	Statistics on education and labour market status	<i>Danmarks Statistik, Statistiske Efterretninger, Uddannelse og kultur 2000:9, (Education and Culture) Befolkningens uddannelses- og arbejdsmarkedsstatus 1999</i>
Persons employed, by age (16 11 0)	Statistics on education and labour market status	<i>Danmarks Statistik, Statistiske Efterretninger, Uddannelse og kultur 2000:9, (Education and Culture) Befolkningens uddannelses- og arbejdsmarkedsstatus 1999</i>
Import and export	Statistics on Foreign Trade	<i>Danmarks Statistik, Statistiske Efterretninger, Udenrigshandel 2000:4 (Foreign trade), Udenrigshandelen december 1999, samt Udenrigshandel 2000:5 (Foreign trade), Udenrigshandelsstatistikens afgrænsning og definitioner</i>

³⁴ The number in brackets refer to the variable as coded in the Methodological Manual.

Finland

Variable	Source	Further information
Number of employed persons	Yritysrekisteri (Business Register)	Tilastokeskus, Suomen yritykset (Enterprises) 1996:4, 1997:3, 1998:25, 1999:3, 2000:1
Turnover .	Yritysrekisteri (Business Register)	Tilastokeskus, Suomen yritykset (Enterprises) 1996:4, 1997:3, 1998:25, 1999:3, 2000:1
Wages and salaries .	Yritysrekisteri (Business Register)	Tilastokeskus, Suomen yritykset (Enterprises) 1996:4, 1997:3, 1998:25, 1999:3, 2000:1
Number of enterprises..	Yritysrekisteri (Business Register)	Tilastokeskus, Suomen yritykset (Enterprises) 1996:4, 1997:3, 1998:25, 1999:3, 2000:1
Value added.	Yritysten rakennetilasto (Structural Business Statistics)	Statistics Finland, Business Structures
Persons employed by gender, age and education	Alueittainen työssäkäyntitilasto (Regional employment statistics)	Statistics Finland, Population Statistics
Import and export	ULTIKA data base for foreign trade	National Board of Customs

Iceland

Variable	Source	Further information
Number of employees (16 13 0)	n.a.	
Number of persons employed (16 11 0)	n.a.	
Turnover (12 11 0)	Value Added Tax register	
Gross value added (Value added at basic prices) (12 14 0)	n.a.	
Wages and salaries (13 32 0)	n.a.	
Number of enterprises (11 11 0)	Register of Enterprises and Value Added Tax Register	
Persons employed, by gender (16 11 0)	Labour force survey	Statistics Iceland., <i>Labour force survey</i>
Persons employed, by age (16 11 0)	Labour force surveys	Statistics Iceland., <i>Labour force survey</i>
Persons employed, by education (16 11 0)	Labour force surveys	Statistics Iceland., <i>Labour force survey</i>

Norway³⁵

Variable	Source	Further information
Number of employed persons	Structural Statistics and National accounts	Statistics Norway, http://www.ssb.no
Turnover	Structural Statistics and National accounts	Statistics Norway, http://www.ssb.no
Gross value added	Structural Statistics and National accounts	Statistics Norway, http://www.ssb.no
Wages and salaries	Structural Statistics and National accounts	Statistics Norway, http://www.ssb.no
Number of establishments ³⁶	Structural Statistics	Statistics Norway, http://www.ssb.no
Persons employed, by gender	Labour market statistics	Statistics Norway, http://www.ssb.no
Persons employed, by age	Labour market statistics	Statistics Norway, http://www.ssb.no
Persons employed, by education	Labour market statistics	Statistics Norway, http://www.ssb.no

³⁵ For Telecommunication all structural figures are preliminary and partly estimated.

³⁶ For Norway number of establishments is used, except for telecommunication where figures are enterprises.

Sweden

Variable	Source	Further information
Number of employees (16 13 0) Full-time equivalents	Business statistics	Contact: SCB Örebro, The Industry Program and The Services Program, Phone +46 19 17 60 00
Number of persons employed (16 11 0)	Labour statistics Based on Administrative Sources	Contact: SCB Örebro; The Program for Labour statistics Based on Administrative Sources, Phone +46 19 17 60 00
Turnover (12 11 0)	Business statistics	Contact: SCB Örebro, The Industry Program and The Services Program, Phone +46 19 17 60 00
Gross value added (value added at basic prices) (12 14 0)	Business statistics	Contact: SCB Örebro, The Industry Program and The Services Program, Phone +46 19 17 60 00
Wages and salaries (13 32 0)	Business statistics	Contact: SCB Örebro, The Industry Program and The Services Program, Phone +46 19 17 60 00
Number of enterprises (11 11 0)	Services	Contact: SCB Örebro, The Services Program, Phone +46 19 17 60 00
Persons employed by gender (16 11 0)	Labour statistics Based on Administrative Sources	Contact: SCB Örebro; The Program for Labour statistics Based on Administrative Sources, Phone +46 19 17 60 00
Persons employed by age (16 11 0)	Labour statistics Based on Administrative Sources	Contact: SCB Örebro; The Program for Labour statistics Based on Administrative Sources, Phone +46 19 17 60 00
Persons employed by education (16 11 0)	Labour statistics Based on Administrative Sources	Contact: SCB Örebro; The Program for Labour statistics Based on Administrative Sources, Phone +46 19 17 60 00
Import and export	Foreign trade statistics	Contact: SCB Stockholm, The Foreign Trade Program, Phone +46 8 50 69 40 00