

# Telecommunications 2007

## *Volume of services in mobile networks continued to grow in 2007*

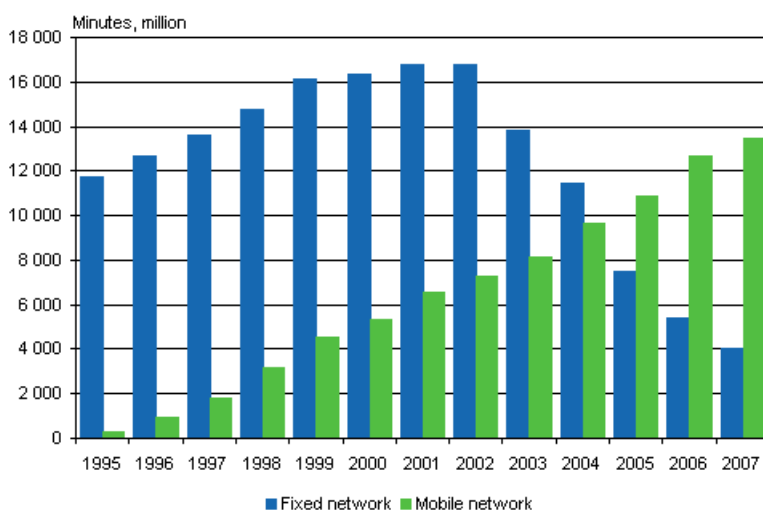
Similarly to earlier years, the use of services in the mobile communication network grew in 2007 from the previous year. Call minutes from mobile phones amounted to some 13.5 billion, which was nearly 3.4 times as much as the call minutes from local telephone networks during the year. Outgoing calls from mobile phones totalled just short of 4.8 billion, which was 7 per cent more than in 2006.

Similarly to the number of outgoing calls from mobile phones, the numbers of text and multimedia messages grew. A total of nearly 3.2 billion text messages were sent in 2007, which is 3 per cent more than in 2006, and the number of multimedia messages sent was nearly 29 million, which is one-third up from the year before. The use of the mobile communication network was increased also by the growth in the volume of data transmissions, which was affected by the introduction of mobile broadband connections.

In 2007, the number of calls made from local telephone networks totalled slightly over one billion, which was 19 per cent less than in 2006. The number of call minutes fell by over one-fourth from the year before and stood at slightly over 4 billion in 2007.

The development in the number of subscriptions continued like that of the past years. The number of fixed telephone subscriptions continued to decrease and stood at a good 1.7 million at the end of 2007. By contrast, the number of broadband subscriptions grew by 20 per cent from the year before and totalled over 1.7 million at the end of the year. The number of mobile communication network subscriptions grew despite the already high diffusion of mobile subscriptions. At the end of 2007 there were nearly 6.1 million such subscriptions.

### **Numbers of outgoing call minutes from the local telephone network and from mobile phones in 1995-2007**



# Contents

Telecommunications 2007.....	3
Subscriber lines and subscriptions.....	3
Fixed telephone subscriber lines.....	3
Broadband subscriptions.....	3
Mobile phone subscriptions.....	3
Volume of services.....	4
Outgoing calls from local telephone networks.....	4
Services provided by the mobile communication network.....	4
Personnel and finances of telecommunications operators.....	4
Production of and foreign trade in telecommunications equipment.....	5
Tables	
Table 1. Number of fixed telephone subscriber lines, number of subscriber lines per 100 population and share of ISDN channels of all fixed lines in 1990, 1995 and 2000-2007.....	6
Table 2. Numbers of ISDN basic and primary subscriber lines in 1995 and 2000-2007.....	6
Table 3. Number of public telephones maintained by telecommunications operators in 1990, 1995 and 2000-2007.....	6
Table 4. Broadband subscriptions in 2001-2007.....	6
Table 5. Broadband access in OECD countries per 100 inhabitants in 2003-2007.....	7
Table 6. Number of mobile phone subscriptions and number of subscriptions per 100 population in 1980, 1985 and 1990-2007.....	8
Table 7. Total number of outgoing calls from (fixed) local networks and average length of call in 1995-2007.....	8
Table 8. Outgoing calls from local fixed networks in 2007.....	8
Table 9. Number of outgoing mobile phone calls, change from previous year and average length of call in 1995-2007.....	9
Table 10. Numbers of outgoing short messages and multimedia messages from mobile phones in 2002-2007.....	9
Table 11. Personnel of telecommunications operators in 1995-2007.....	9
Table 12. Turnover and breakdown of turnover of telecommunications operators in 1998-2007, per cent.....	10
Table 13. Investments of telecommunications operators in tangible assets and telecommunication networks in 2003-2007, EUR million.....	10
Table 14. Number of employees and value of gross output of manufacture of telecommunications equipment (SIC 322) in 1995-2006.....	10
Table 15. Import and export of telecommunications equipment in 1995-2007, EUR million.....	11
Figures	
Figure 1. Numbers of fixed line and mobile telephone subscriptions in 1990 and 1995-2007.....	12
Figure 2. The distribution of calls from local telephone networks in 2003-2007, per cent.....	12
Figure 3. The distribution of call minutes from local telephone networks in 2003-2007, per cent.....	12
Figure 4. Numbers of outgoing calls from the local telephone network and from mobile phones in 1995-2007.....	13
Figure 5. Numbers of outgoing call minutes from the local telephone network and from mobile phones in 1995-2007.....	13
Figure 6. Numbers of outgoing calls from private (domestic) subscriptions and corporate subscriptions in 2007, per cent.....	13
Figure 7. Numbers of outgoing calls from mobile phones in 2007, per cent.....	14
Figure 8. Numbers of outgoing short messages from mobile phones and short messages per subscription on average from mobile phones in 2002-2007.....	14
Figure 9. Investments of telecommunications operators in tangible assets and telecommunication networks in 2003-2007, EUR million.....	14

# *Telecommunications 2007*

## *Subscriber lines and subscriptions*

### *Fixed telephone subscriber lines*

A general development trend in Finnish telecommunications in recent years has been the increased use of mobile and broadband services and the simultaneous decrease in the use of fixed telephone network services. This development continued strongly in 2007.

The total number of fixed telephone network subscriptions, which includes conventional telephone subscriptions and ISDN subscriber lines converted to channels, decreased in 2007, like it has done in recent years. At the end of the year, fixed telephone network subscriptions totalled a good 1.7 million, equalling around 33 subscriptions per 100 population. Their number fell by 9 per cent compared to the situation at the end of 2006.

At the end of 2007 private households used 60 per cent of all fixed telephone subscriber lines (excl. public phones) and the remaining 40 per cent were used by others, such as businesses and the public sector.

The number of ISDN subscriber lines continued to fall in 2007; the number of basic rate subscriber lines fell by 5 per cent and that of primary rate subscriber lines by 7 per cent. Some 10 per cent of the basic rate ISDN subscriber lines were in household use.

In recent years telecommunications operators have given up their public phones. At the end of 2007 their number stood at only some 100.

### *Broadband subscriptions*

At the end of 2007, there were altogether a good 1.7 million broadband subscriptions in Finland. The number of subscriptions was 21 per cent higher than at the end of 2006.

The majority of broadband subscriptions were DSL subscriptions, which include the xDSL connections supplied by telecommunications operators to individual end users (slightly under 1.3 million) and housing corporations (some 2,000) as well as shared connections to real estate which the telecommunications operators divide to end users (some 91,000). These data do not include xDSL subscriptions of housing corporations broken down to the end user level.

Slightly under 80 per cent of all broadband subscriptions were in the use of households; e.g. some 78 per cent of DSL subscriptions to end users and to real estate as well as slightly over 80 per cent of the WLAN and WiMAX subscriptions were in private household use. Nearly all cable modems and approximately one-half of mobile broadband subscriptions were in private household use.

The transmission speed of 31 per cent of all broadband subscriptions was 2 Mbps or higher; 28 per cent had a transmission speed of at least 2 Mbps but under 10 Mbps, and three per cent of the subscriptions had a transmission speed of at least 10 Mbps. In 2007 the most common transmission speed was 1 Mbps.

Compared with the annual growth in the number of broadband subscriptions, the number of dial-up subscriptions has fallen steadily. At the end of 2007, only some 53,000 telecommunications operators' dial-up subscriptions were reported. Their number fell by 39 per cent in the year, as at the end of 2006 such subscriptions numbered some 87,000.

### *Mobile phone subscriptions*

Despite the high diffusion of mobile phone subscriptions, the number of mobile communication network subscriptions continued to grow in 2007. This resulted partly from the diffusion of mobile broadband subscriptions which use the digital mobile communication network. At the end of 2007, subscriptions totalled nearly 6.1 million, equalling around 115 subscriptions per 100 population.

Pre-paid subscriptions accounted for nine per cent of all mobile phone subscriptions. Around 23 per cent of all mobile communication network subscriptions were in business use.

## *Volume of services*

### *Outgoing calls from local telephone networks*

Similarly to the number of fixed telephone network subscriptions, also the volume of outgoing telecommunications from such networks has fallen in recent years. In 2007, the number of outgoing calls from local telephone networks totalled slightly over one billion, which was just under one-fifth less than in 2006. The number of call minutes from local telephone networks was slightly over 4 billion. The number of call minutes was down by one-fourth from the year before, when their number totalled nearly 5.4 billion. Approximately 36 per cent of the outgoing calls were made from household subscriber lines, which accounted for 58 per cent of all call minutes. Dial-up calls accounted for some 9 per cent of all call minutes in 2007.

The transition from using fixed telephone network services into using those of the digital mobile communications network is also reflected in the distribution of outgoing calls from the local telephone networks. This development has affected local calls the most; both their volume and their proportion of outgoing calls from the fixed telephone network have fallen relatively the most during recent years. In 2003, for example, the share of local calls of all outgoing calls from local telephone networks was nearly one-half, whereas in 2007 that same proportion was down to one-third. Correspondingly, the proportion of local calls of total call minutes was 66 per cent in 2003 and 46 per cent in 2007. By contrast, even though the volume of calls to the digital mobile communications network is also falling, their relative proportion of the outbound calls from local telephone networks has been growing each year.

### *Services provided by the mobile communication network*

In 2007 the volume of outgoing calls from mobile phones was 4.6 times and the number of call minutes 3.4 times higher than the outgoing calls and minutes from the local telephone network (fixed). (As regards the total numbers of calls and call minutes, it should be noted that these statistics do not cover calls transmitted in IP networks and, consequently, not the total number of calls and call minutes made from all networks.)

Outgoing calls from mobile phones totalled nearly 4.8 billion in 2007, which was 7 per cent more than in 2006. Call minutes from mobile phones totalled 13.5 billion in the year, which was 6 per cent more than in the year before. Of all calls and all call minutes, 72 per cent were made from private subscriptions.

Of the calls and call minutes from mobile phones, approximately 85 per cent were to domestic mobile subscriber numbers, 14 per cent or so to domestic fixed line subscriber numbers and roughly one per cent to international subscriber numbers, either fixed or mobile.

Similarly to the number of outgoing calls and call minutes from mobile phones in the year, the numbers of text and multimedia messages have grown each year. This development continued in 2007, when almost 3.2 billion text messages were sent. This was three per cent up from the year before. Text messages numbered, on average, 524 per subscription. In 2007 the number of multimedia messages sent was nearly 29 million, which was one-third more than in 2006.

In mobile communications the total volume of packaged data transmission grew five-fold from 2006 and reached some 500,000 gigabytes in 2007. Private subscriptions' proportion of this volume was roughly three-fourths.

### *Personnel and finances of telecommunications operators*

In recent years the number of personnel at telecommunications operators has declined each year. In 2007 the number of personnel at telecommunications operators was some 13,400. The number of personnel fell by 8 per cent from the previous year.

The total turnover of telecommunications operators in 2007 remained roughly on level with that in 2006. Turnover amounted to nearly EUR 4.5 billion, which is roughly one per cent less than in the year before. Overall, the turnover of the phone call activity in the fixed local communications network as well as data transmission grew from the year before, whereas the turnover of mobile communications remained on level with the previous year, even though the included turnover from other services than phone call services grew significantly. Turnover

from long-distance and international telecommunications in the fixed communications network as well as activities recorded as other activity contracted from the year before.

In 2007, like in recent years, mobile telecommunications accounted for around one-half of the total turnover of telecommunications operators. The majority of this continued to come from voice services, for non-voice services only generated 16 per cent of the turnover from mobile communications (i.e. 8 per cent of the total turnover). The proportion of telephone communications in the fixed communications network of the total turnover was just under 14 per cent. The proportion of data transmission was 18 per cent, of which 39 per cent consisted of turnover from Consumer Internet (the proportion of Consumer Internet of the total turnover was 7 per cent). Just under one-fifth, or 18 per cent, of the total turnover of telecommunications operators was generated in other activity not specified above. Equipment sales made up 38 per cent of that.

Telecommunications operators' investments in tangible assets in 2007 remained roughly on level with those in 2006. Investments totalled EUR 436 million, which was just under 2 per cent less than in the year before. The proportion of investments in telecommunication networks of all tangible investments was the same as in 2006, namely 86 per cent. Telecommunication operators' investments in networks totalled EUR 376 million in 2007.

### *Production of and foreign trade in telecommunications equipment*

In 2006 the branch of manufacturing producing telecommunications equipment employed slightly fewer persons than the year before. The total number of personnel in the branch was 30,300, which is a good one per cent down on 2005. By contrast, the value of gross output of the branch grew in 2006 from the year before. The value of gross output totalled EUR 18.5 billion, which was 8 per cent up from that of the previous year.

In 2007, the value of telecommunications equipment imports grew by a total of 87 per cent from the year before. The value of imports was EUR 3.6 billion. The proportion of telecommunications equipment of total imports stood at 6 per cent. Similarly to imports, the value of telecommunications equipment exports also grew from 2006. The value of telecommunications equipment exports of was EUR 8.9 billion, which was 14 per cent of total exports.

## Tables

**Table 1. Number of fixed telephone subscriber lines, number of subscriber lines per 100 population and share of ISDN channels of all fixed lines in 1990, 1995 and 2000-2007**

Year	Subscriber lines	Change, %	Subscriber lines/100 pop.	Share of ISDN channels, % <sup>2</sup>
1990	2 669 697		53,4	
1995	2 799 379		54,7	0,8
2000	2 848 809		55,0	21,6
2001	2 806 172	-1,5	54,0	23,3
2002 <sup>1</sup>	2 725 607	-2,9	52,4	26,1
2003	2 567 592	-5,8	49,2	30,9
2004	2 390 197	-6,9	45,6	28,4
2005	2 139 713	-10,5	40,7	25,6
2006 <sup>3</sup>	1 927 813	-9,9	36,5	24,9
2007	1 749 858	-9,2	33,0	25,8

1) Number of primary ISDN subscriber lines has been multiplied by 30 to obtain number of channels (multiplier used in 2001 was 25).

2) Basic rate ISDN subscriber lines, which contain two independent data transmission channels, equal two conventional subscriber lines, while primary rate ISDN subscriber lines, formed of 30 data transmission channels, equal thirty conventional subscriber lines

3) Revised figure.

**Table 2. Numbers of ISDN basic and primary subscriber lines in 1995 and 2000-2007**

Year	ISDN basic	ISDN primary
1995	5 962	454
2000 <sup>1</sup>	199 015	8 630
2001	..	..
2002	207 068	9 910
2003	224 418 <sup>2</sup>	11 452
2004	157 532	12 125
2005	126 522	9 794
2006	96 325	9 585 <sup>3</sup>
2007	91 903	8 927

1) Partly estimated.

2) The number of subscriber lines overestimated due to revisions in the registering method.

3) Revised figure.

**Table 3. Number of public telephones maintained by telecommunications operators in 1990, 1995 and 2000-2007**

Year	Public telephones	Phones/ 1,000 pop.
1990	20 229	4,0
1995	25 267	4,9
2000	12 427	2,4
2001	8 851	1,7
2002	6 501	1,2
2003	5 835	1,1
2004	4 419	0,8
2005	2 973	0,6
2006	1 333	0,3
2007	101	0,0

**Table 4. Broadband subscriptions in 2001-2007**

Year	DSL subscriptions	Cable modems	Mobile broadband subscriptions	Other <sup>1</sup>	Total
2001	61 467	..		..	61 467
2002	183 482	54 000		..	237 482
2003	379 305	87 304		5 491	472 100
2004	665 760	113 124		6 575	785 459
2005	1 047 811	155 364		7 392	1 210 567
2006	1 212 297	180 480		34 405	1 427 182
2007	1 364 069	206 623	141 835	20 067	1 732 594

1) E.g. WLAN, WiMAX and PLC.

**Table 5. Broadband access in OECD countries per 100 inhabitants in 2003-2007**

Country <sup>1</sup>	Year					of which			2007 Subscriptions total
	2003	2004	2005	2006	2007	DSL	Cable modem	Other	
	Per 100 inhabitants								
Denmark	13,0	18,8	25,0	31,9	35,1	20,9	9,9	4,2	1 906 557
Netherlands	11,8	19,0	25,3	31,8	34,8	20,7	13,4	0,6	5 682 770
Iceland	14,3	18,3	26,7	29,7	32,2	31,1	0,0	1,1	97 937
Norway	8,0	14,9	21,9	27,7	31,2	23,3	5,5	2,5	1 455 000
Switzerland	10,1	17,3	23,1	28,5	31,0	21,2	9,4	0,4	2 340 650
<b>Finland</b>	<b>9,5</b>	<b>15,0</b>	<b>22,5</b>	<b>27,2</b>	<b>30,7</b>	<b>25,6</b>	<b>4,0</b>	<b>1,1</b>	<b>1 617 100</b>
Korea	24,2	24,9	25,4	29,1	30,5	9,5	10,5	10,4	14 709 998
Sweden	10,7	14,5	20,3	26,0	30,3	18,9	5,9	5,6	2 755 014
Luxembourg	3,5	9,8	14,9	20,4	26,7	24,1	2,4	0,2	126 360
Canada	15,1	17,8	21,9	23,8	26,6	12,4	13,8	0,4	8 675 197
United Kingdom	5,4	10,5	15,9	21,6	25,8	20,1	5,6	0,1	15 606 100
Belgium	11,7	15,6	18,3	22,5	25,7	15,4	10,2	0,2	2 715 308
France	5,9	10,6	15,2	20,3	24,6	23,4	1,1	0,0	15 550 000
Germany	5,6	8,4	13,0	17,1	23,8	22,5	1,2	0,1	19 579 000
United States	9,7	12,8	16,8	19,6	23,3	10,0	12,0	1,4	69 859 707
Australia	3,5	7,7	13,8	19,2	23,3	18,4	4,2	0,7	4 830 200
Japan	10,7	15,0	17,6	20,2	22,1	10,3	3,0	8,9	28 302 152
Austria	7,6	10,2	14,1	17,3	19,6	11,9	7,0	0,6	1 622 023
New Zealand	2,6	4,7	8,1	14,0	18,3	16,3	1,2	0,8	757 132
Ireland	0,8	3,4	6,7	12,5	18,1	12,9	1,9	3,2	767 800
Spain	5,4	8,4	11,7	15,3	18,0	14,3	3,7	0,1	7 951 905
Italy	4,1	8,1	11,9	14,8	17,2	16,6	0,0	0,6	10 122 126
Czech Republic	0,5	1,6	6,4	10,6	14,6	6,0	3,0	5,6	1 501 420
Portugal	4,8	8,2	11,5	13,8	14,4	8,5	5,7	0,1	1 524 675
Hungary	2,0	3,6	6,3	11,9	13,6	7,3	5,5	0,7	1 365 650
Greece	0,1	0,4	1,4	4,6	9,1	9,1	0,0	0,0	1 017 475
Poland	0,8	2,1	2,4	6,9	8,8	6,2	2,5	0,1	3 340 000
Slovak Republic	0,3	1,1	2,5	5,1	7,6	5,2	1,0	1,5	412 012
Turkey	0,3	0,7	2,1	3,8	6,0	5,9	0,0	0,0	4 395 800
Mexico	0,4	0,8	2,2	3,5	4,3	3,0	1,2	0,2	4 548 838
<b>OECD</b>	<b>7,3</b>	<b>10,2</b>	<b>13,6</b>	<b>16,9</b>	<b>20,0</b>	<b>12,3</b>	<b>5,7</b>	<b>2,0</b>	<b>235 135 906</b>

1) Source: OECD

**Table 6. Number of mobile phone subscriptions and number of subscriptions per 100 population in 1980, 1985 and 1990-2007**

Year	Mobile subscriptions			Change, %	Subscriptions/ 100 pop.
	Digital	Analogue <sup>1</sup>	Total		
1980	-	23 482	23 482		0,5
1985	-	67 639	67 639		1,4
1990	-	257 872	257 872		5,2
1991	-	319 137	319 137	23,8	6,4
1992	3 308	382 713	386 021	21,0	7,6
1993	19 111	470 063	489 174	26,7	9,6
1994	110 155	565 410	675 565	38,1	13,2
1995	380 703	658 423	1 039 126	53,8	20,4
1996	830 585	646 391	1 476 976	42,1	28,8
1997	1 523 356	568 435	2 091 791	41,6	40,6
1998	2 498 793	347 192	2 845 985	36,1	55,2
1999	3 073 943	199 490	3 273 433	15,0	63,4
2000	3 672 762	55 863	3 728 625	13,9	72,0
2001	4 137 337	38 250	4 175 587	12,0	80,4
2002	4 516 772	-	4 516 772	8,2	86,8
2003	4 747 126	-	4 747 126	5,1	90,9
2004	4 999 060	-	4 999 060	5,3	95,5
2005	5 384 572	-	5 384 572	7,7	102,5
2006	5 679 010	-	5 679 010	5,5	107,6
2007	6 069 463	-	6 069 463	6,9	114,5

1) By the end of 2002, the analogue mobile communications system was wound up in Finland.

**Table 7. Total number of outgoing calls from (fixed) local networks and average length of call in 1995-2007**

Year	Calls, total				Average length, minutes
	calls, million	change, %	minutes, million	change, %	
1995	3 164,0		11 754,4		3,7
1996	3 271,0	3,4	12 705,7	8,1	3,9
1997	3 407,7	4,2	13 586,9	6,9	4,0
1998	3 478,5	2,1	14 730,9	8,4	4,2
1999 <sup>1</sup>	3 498,3	0,6	16 105,7	9,3	4,6
2000 <sup>2</sup>	3 515,2	0,5	16 373,8	1,7	4,7
2001 <sup>3</sup>	3 365,7	-4,3	16 781,1	2,5	5,0
2002	3 147,0	-6,5	16 791,2	0,1	5,3
2003	2 455,1	-22,0	13 831,6	-17,6	5,6
2004	2 121,0	-13,6	11 442,9	-17,3	5,4
2005	1 531,4	-27,8	7 475,1	-34,7	4,9
2006	1 284,3	-16,1	5 370,2	-28,2	4,2
2007	1 041,9	-18,9	4 016,9	-25,2	3,9

1) Partly estimated.

2) Partly estimated.

3) Coverage of data is not exhaustive.

**Table 8. Outgoing calls from local fixed networks in 2007**

Outgoing calls from local fixed networks	Local calls	Long- distance calls	International calls	To mobile networks	Other calls <sup>1</sup>
Calls, million	352,9	103,3	30,0	306,5	249,3
%	33,9	9,9	2,9	29,4	23,9
Minutes, million	1 861,8	415,9	143,7	803,3	792,2
%	46,3	10,4	3,6	20,0	19,7
Average length, minutes	5,3	4,0	4,8	2,6	3,2

1) Calls to e.g. corporate numbers and nationwide service numbers.



**Table 9. Number of outgoing mobile phone calls, change from previous year and average length of call in 1995-2007**

Year	Calls, total				Average length, minutes
	calls, million	change, %	minutes, million	change, %	
1995	149,4		316,1		2,1
1996	458,8	207,1	918,9	190,7	2,0
1997	898,9	95,9	1 831,9	99,4	2,0
1998	1 552,7	72,7	3 197,7	74,6	2,1
1999	2 167,8	39,6	4 514,0	41,2	2,1
2000	2 444,4	12,8	5 293,6	17,3	2,2
2001	2 921,3	19,5	6 519,8	23,2	2,2
2002	3 171,4	8,6	7 276,1	11,6	2,3
2003	3 403,6	7,3	8 160,7	12,2	2,4
2004	3 810,4	12,0	9 643,0	18,2	2,5
2005	3 995,2	4,8	10 848,2	12,5	2,7
2006	4 457,0	11,6	12 687,0	16,9	2,8
2007	4 778,1	7,2	13 477,1	6,2	2,8

**Table 10. Numbers of outgoing short messages and multimedia messages from mobile phones in 2002-2007**

Year	Short messages, thousands <sup>1</sup>	Change, %	Short messages/subscription	Multimedia messages, thousands	Change, %
2002	1 324 668		293		
2003	1 647 218	24,3	347	2 314	
2004	2 193 498	33,2	439	7 386	219,2
2005	2 728 230	24,4	507	15 993	116,5
2006	3 087 998	13,2	544	21 568	34,9
2007	3 182 362	3,1	524	28 682	33,0

1) Including service requests in short message format, i.e. special SMS services subject to charge, such as ring tones, screen logos or news updates.

**Table 11. Personnel of telecommunications operators in 1995-2007**

Year	Personnel, total	Change, %
1995	16 405	
1996	16 856	2,7
1997	17 976	6,6
1998 <sup>1</sup>	19 448	8,2
1999	21 601	11,1
2000	24 190	12,0
2001	25 015	3,4
2002 <sup>2</sup>	19 426	..
2003	17 433	-10,3
2004	17 422	-0,1
2005	16 385	-6,0
2006	14 487	-11,6
2007	13 385	-7,6

1) Since 1998, average size of personnel.

2) Examination limited more closely than before to domestic business activities.

**Table 12. Turnover and breakdown of turnover of telecommunications operators in 1998-2007, per cent**

<b>Turnover<sup>1</sup></b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Turnover, EUR million	3 270,2	3 798,5	4 364,5	4 691,2	4 582,8	4 442,7	4 592,6	4 259,8	4 510,5	4 475,6
Change, %		16,2	14,9	7,5	..	-3,1	3,4	-7,2	5,9	-0,8
<b>Breakdown of turnover, %</b>										
Local telecommunications <sup>2</sup>	21,4	19,2	18,6	17,3	13,3	16,7	14,8	12,8	11,6	12,7
Long-distance telecommunications	2,1	1,9	1,6	1,3	1,3	1,4	0,9	0,5	0,4	0,4
International telecommunications	6,2	5,0	3,8	4,9	5,0	2,0	1,2	0,8	0,6	0,6
Mobile communication <sup>3</sup>	35,6	39,3	41,6	42,6	45,2	50,4	52,0	50,3	50,1	50,2
Data transmission <sup>4</sup>	..	..	9,2	..	11,0	14,4	15,8	18,2	16,9	18,1
Other telecommunications activities	34,7	34,6	25,1	33,9	24,2	15,1	15,3	17,4	20,3	18,1
Total	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0

1) Since 2002 examination limited more closely than before to domestic business activities. Up to 2001 the shares are partly estimates. In the 2003 data the breakdown of turnover by source has been itemised more precisely than before, which may have a bearing on the comparability of the breakdowns for 2002 and 2003.

2) Includes interconnection fees, local network charges, monthly fees and subscriber line installation charges.

3) Includes voice and non-voice services, wireless data transmission, as well as monthly fees.

4) Includes also internet activities, as well as installation, connection and opening charges, and monthly fees for broadband subscriptions, and data security services.

**Table 13. Investments of telecommunications operators in tangible assets and telecommunication networks in 2003-2007, EUR million**

<b>Year</b>	<b>Tangible assets total, EUR million</b>	<b>Change, %</b>	<b>Telecom. networks EUR million</b>	<b>Change, %</b>
2003	566,6		438,5	
2004	580,5	2,5	414,1	-5,6
2005	491,2	-15,4	362,7	-12,4
2006	444,1	-9,6	380,1	4,8
2007	436,4	-1,7	376,3	-1,0

**Table 14. Number of employees and value of gross output of manufacture of telecommunications equipment (SIC 322) in 1995-2006**

<b>Year</b>	<b>Number of employees</b>	<b>Change, %</b>	<b>Value of gross output</b>	
			<b>EUR million</b>	<b>Change, %</b>
1995	17 338		4 184,6	
1996	19 191	10,7	4 816,3	15,1
1997	21 609	12,6	6 528,7	35,6
1998	25 667	18,8	9 464,6	45,0
1999	28 835	12,3	12 925,9	36,6
2000	31 811	10,3	18 151,5	40,4
2001	32 138	1,2	16 351,0	-9,9
2002	29 860	-7,1	15 366,8	-6,0
2003	29 405	-1,5	13 582,5	-11,6
2004	29 922	1,8	14 136,3	4,1
2005	30 732	2,7	17 126,8	21,2
2006	30 299	-1,4	18 467,6	7,8

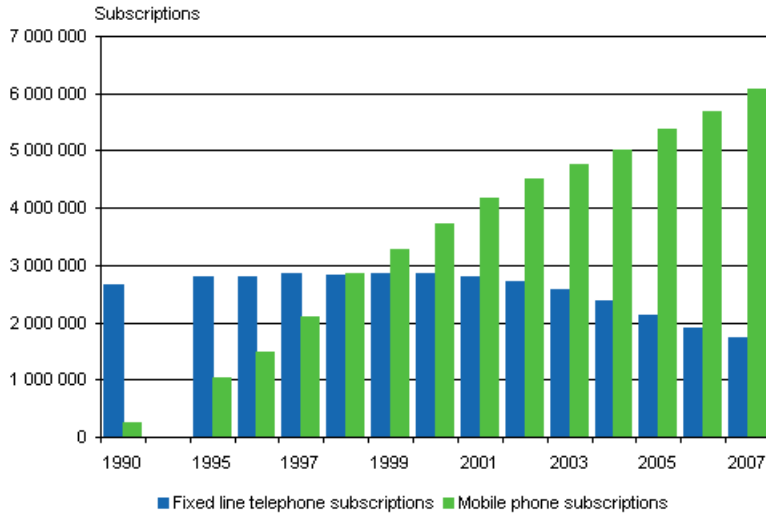
**Table 15. Import and export of telecommunications equipment in 1995-2007, EUR million**

Year <sup>1</sup>	Import			Export		
	EUR million	change, %	per cent of total import	EUR million	change, %	per cent of total export
1995	235,8		1,1	1 998,0		6,7
1996	318,9	35,2	1,3	2 600,0	30,1	8,3
1997	387,6	21,5	1,4	3 528,4	35,7	9,9
1998	497,7	28,4	1,7	4 930,7	39,7	12,7
1999	568,3	14,2	1,9	5 558,5	12,7	14,2
2000	1 268,7	123,3	3,4	8 923,3	60,5	18,0
2001	1 183,4	-6,7	3,3	7 589,7	-14,9	15,9
2002	740,1	-37,5	2,1	7 575,6	-0,2	16,1
2003	759,4	2,6	2,1	7 172,6	-5,3	15,5
2004	871,5	14,8	2,2	6 203,1	-13,5	12,7
2005	1 743,8	100,1	3,7	8 518,2	37,3	16,3
2006	1 936,9	11,1	3,5	8 401,2	-1,4	13,7
2007	3 612,6	86,5	6,1	8 896,1	5,9	13,5

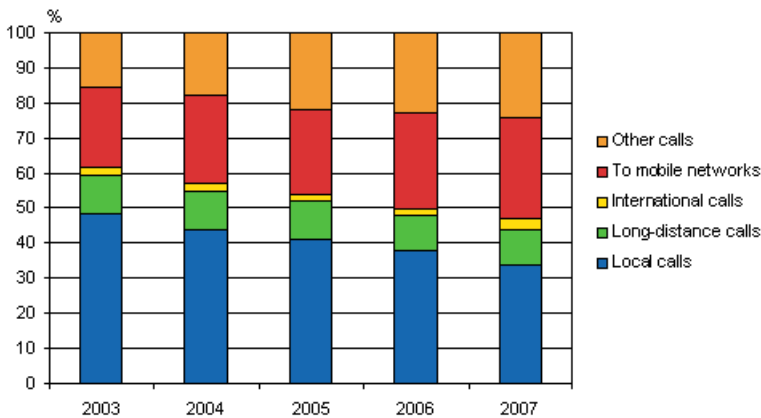
1) Source: Board of Customs

# Figures

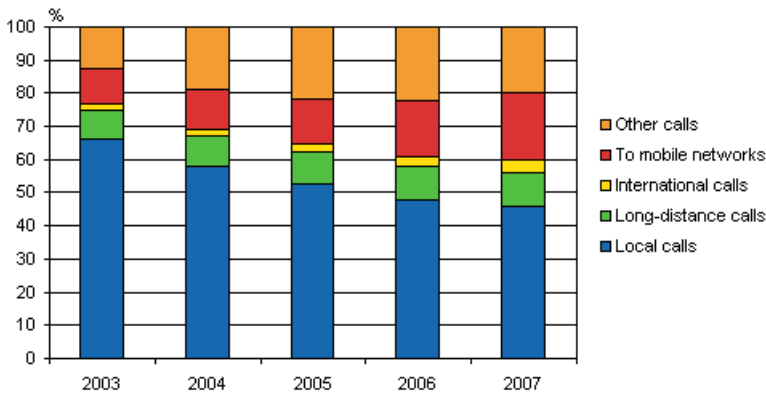
**Figure 1. Numbers of fixed line and mobile telephone subscriptions in 1990 and 1995-2007**



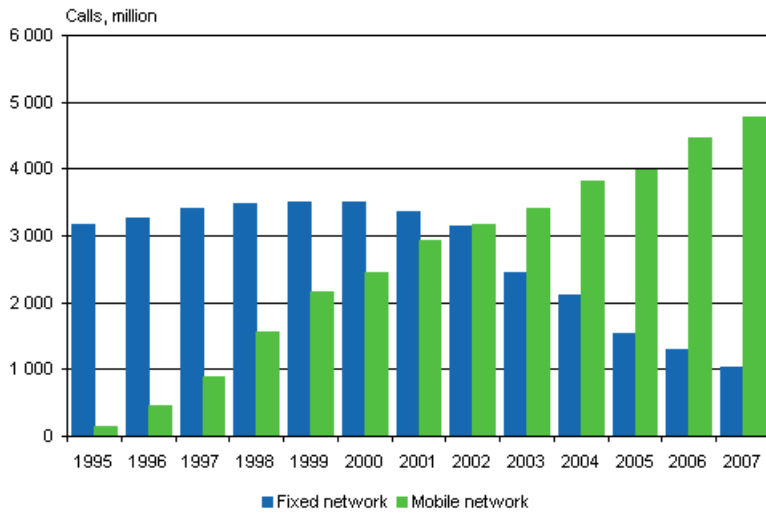
**Figure 2. The distribution of calls from local telephone networks in 2003-2007, per cent**



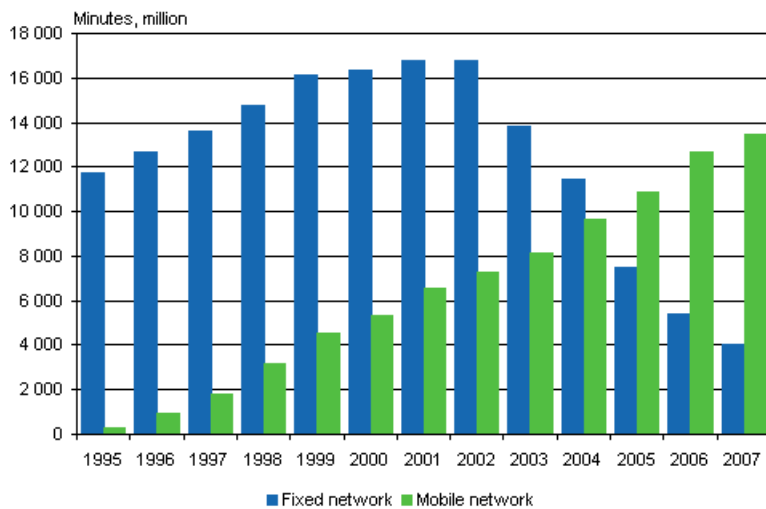
**Figure 3. The distribution of call minutes from local telephone networks in 2003-2007, per cent**



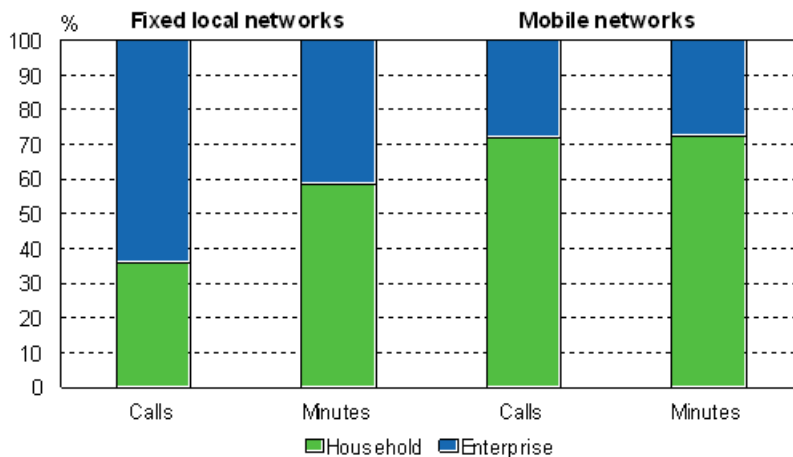
**Figure 4. Numbers of outgoing calls from the local telephone network and from mobile phones in 1995-2007**



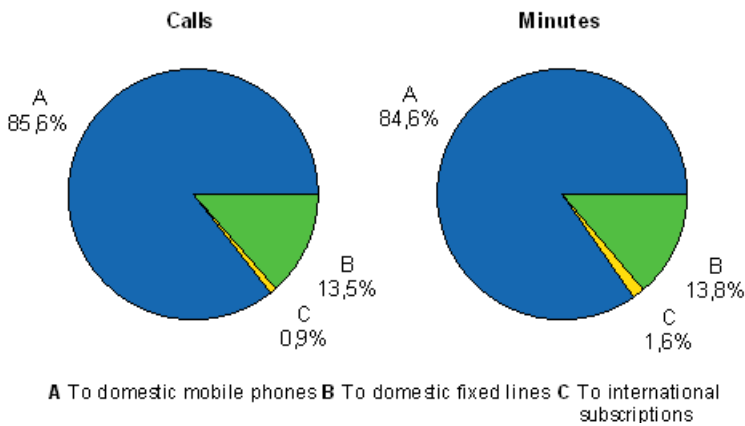
**Figure 5. Numbers of outgoing call minutes from the local telephone network and from mobile phones in 1995-2007**



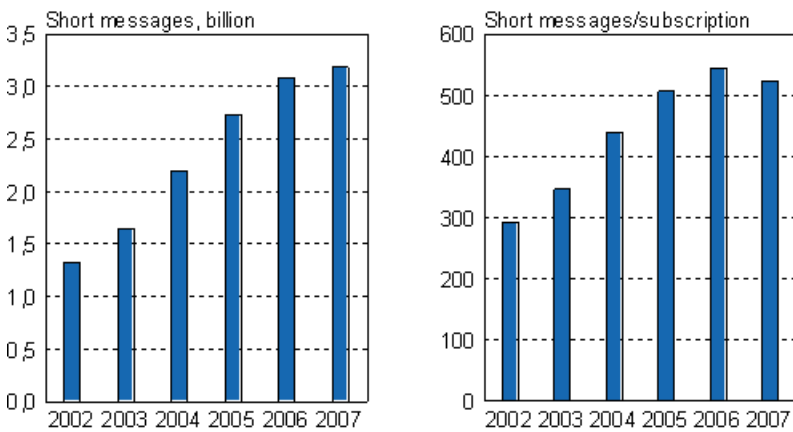
**Figure 6. Numbers of outgoing calls from private (domestic) subscriptions and corporate subscriptions in 2007, per cent**



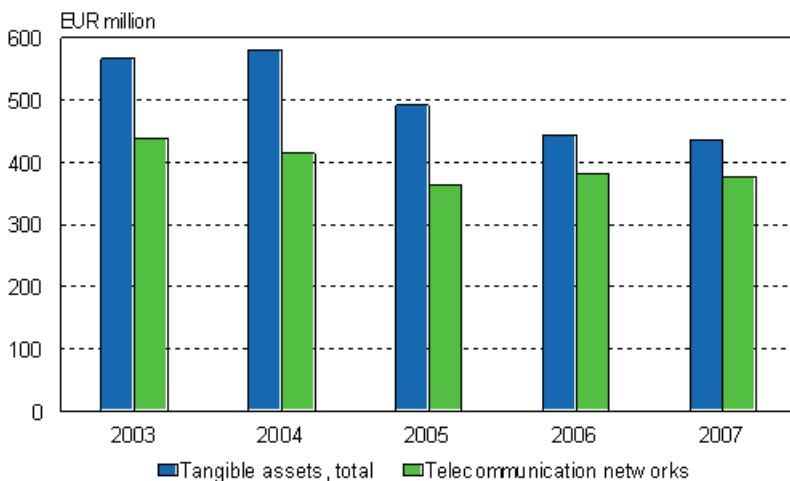
**Figure 7. Numbers of outgoing calls from mobile phones in 2007, per cent**



**Figure 8. Numbers of outgoing short messages from mobile phones and short messages per subscription on average from mobile phones in 2002-2007**



**Figure 9. Investments of telecommunications operators in tangible assets and telecommunication networks in 2003-2007, EUR million**



---

Suomen virallinen tilasto  
Finlands officiella statistik  
Official Statistics of Finland

*Science, Technology and Information Society 2008*

*Inquiries*

Mervi Niemi (09) 1734 3263

Kari-Pekka Niemi (09) 1734 3399

Director in charge:

Kaija Hovi

[tiiede.teknologia@stat.fi](mailto:tiiede.teknologia@stat.fi)

[www.stat.fi](http://www.stat.fi)