# Statistical Annex

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# • Postal Services

### **Postal Traffic**

#### **Postal traffic** Table 1

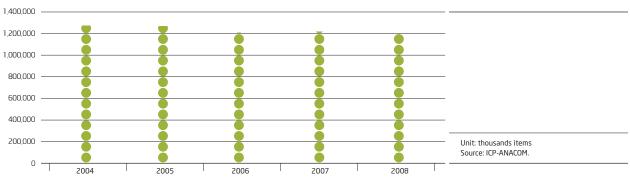
	2004	2005	2006	2007	2008
Postal traffic	1,288,184	1,288,892	1,224,977	1,238,569	1,226,151
Express mail	13,895	15,728	16,299	17,751	19,807
Standard mail	1,274,289	1,273,164	1,208,678	1,220,819	1,206,345

Unit: thousands items

Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates. These figures were based on data supplied by service providers and may be corrected.

# Express mail Graph 1 20,000 16,000 12,000 8,000 4,000 Unit: thousands items Source: ICP-ANACOM. 2004 2005 2006 2007 2008 Standard mail Graph 2



# Per Capita postage Table 2

	2004	2005	2006	2007	2008
Postal traffic by inhabitant	122,3	121,9	115,6	116,9	115,5

Unit: postal traffic per thousands inhabitants.

Source: ICP-ANACOM, INE.

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.



# Postal Network Indicators

### Equipment Table 3

	2004	2005	2006	2007	2008
Access points *	19,563	19,283	19,133	18,853	18,502
Distribution centers	462	472	470	478	508
Vehicles	5,362	5,856	5,550	5,738	5,935

Source: ICP-ANACOM.

\* Physical sites where users may deposit mail in the postal network, including postboxes placed or not in public space, among others.

Note: Some values were revised due to providers information updates. These figures were based on data supplied by service providers and may be corrected.

#### **Postal coverage** Table 4

	2004	2005	2006	2007	2008
Postal coverage	21,2	20,9	20,8	20,5	20,1

Unit: access points per 100 km<sup>2</sup>

Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates.

### **Postal density** Table 5

	2004	2005	2006	2007	2008
Number of inhabitants served by an access point	538	548	554	563	574

Unit: inhabitants per access points

Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.

### **Universal Postal Service Indicators**

### Number of permanent offices

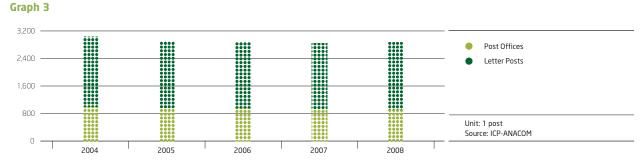
Table 6

2004	2005	2006	2007	2008
3,037	2,898	2,863	2,853	2,873
1,005	981	960	924	908
2,032	1,917	1,903	1,929	1,965
	<b>3,037</b>	3,037         2,898           1,005         981	3,037         2,898         2,863           1,005         981         960	3,037         2,898         2,863         2,853           1,005         981         960         924

Unit: 1 post Source: CTT.

Note: Some values were revised due to providers information updates.

# **Permanent offices**



### Postal coverage Table 7

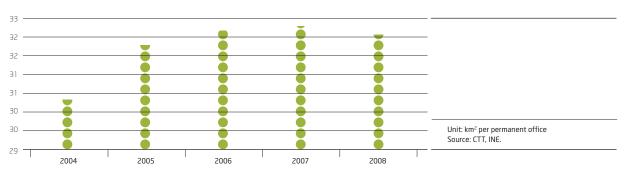
	2004	2005	2006	2007	2008
Area covered by a permanent office	30,3	31,8	32,2	32,3	32,1

Unit: km<sup>2</sup> per permanent office.

Source: CTT, INE

Note: These figures were based on data supplied by service providers and may be corrected.





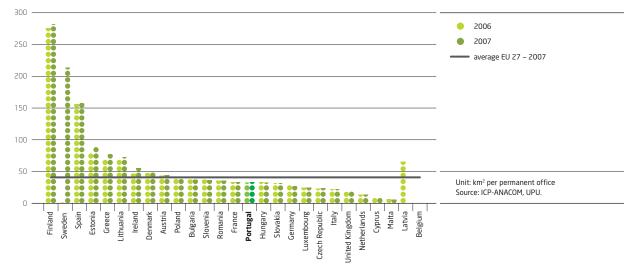


### Postal coverage – EU Table 8

	2003	2004	2005	2006	2007
Germany	26,42	27,42	28,18	28,56	26,40
Austria	41,78	41,95	43,07	43,18	43,59
Belgium	23,47	22,30	21,67	n.d.	n.d.
Bulgaria	n.d.	36,87	35,37	37,14	37,13
Cyprus	8,24	8,33	n.d.	8,09	8,03
Denmark	42,29	43,27	45,60	47,20	49,14
Slovakia	30,32	30,68	30,92	30,84	30,86
Slovenia	36,56	36,37	36,30	36,30	36,30
Spain	151,36	153,75	154,64	155,17	156,46
Estonia	82,15	82,75	82,90	79,97	89,84
Finland	251,22	257,93	265,00	274,47	281,32
France	32,46	32,54	32,43	32,36	32,32
Great Britain	15,31	16,63	16,90	17,08	17,66
Greece	59,49	59,98	63,05	69,75	76,14
Netherlands	16,12	13,03	13,01	13,18	13,18
Hungary	29,99	32,94	32,71	32,53	32,30
Ireland	42,38	43,81	44,76	45,87	54,65
Italy	21,95	21,75	21,79	21,75	21,82
Latvia	67,01	66,74	66,26	65,65	n.d.
Lithuania	n.d.	68,38	68,81	69,91	72,48
Luxembourg	23,94	23,73	24,17	23,94	23,94
Malta	6,32	6,20	6,20	6,08	5,18
Poland	38,93	29,59	38,71	38,56	38,12
Portugal	26,01	30,40	31,84	32,22	32,32
Czech Rep.	22,99	23,07	23,09	23,19	23,19
Romania	34,85	34,95	35,00	35,01	35,01
Sweden	n.d.	n.d.	227,26	209,29	212,35
EU 27 average	41,05	39,35	40,27	39,39	40,06

Unit: km<sup>2</sup> per permanent office. Source: ICP-ANACOM, UPU.





### Postal density Table 9

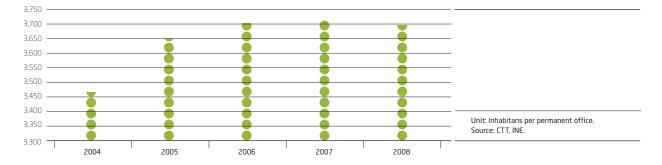
	2004	2005	2006	2007	2008
Inhabitants served by a permanent office	3,467	3,647	3,702	3,715	3,696

Unit: inhabitants per permanent office.

Source: CTT, INE.

Note: These figures were based on data supplied by service providers and may be corrected.

### Postal density Graph 6

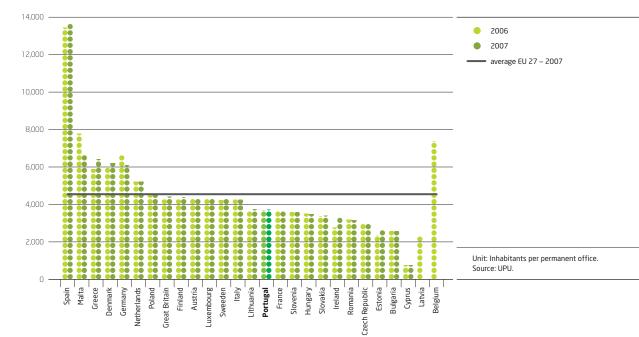




### Postal density – EU Table 10

	2003	2004	2005	2006	2007
Germany	6,110	6,347	6,523	6,611	6,107
Austria	4,092	4,129	4,259	4,288	4,346
Belgium	7,929	7,567	7,380	n.d.	n.d.
Bulgaria	n.d.	2,591	2,470	2,576	2,557
Cyprus	728	744	n.d.	739	742
Denmark	5,287	5,425	5,732	5,947	6,205
Slovakia	3,331	3,371	3,397	3,389	3,392
Slovenia	3,600	3,586	3,583	3,586	3,587
Spain	12,594	13,004	13,263	13,458	13,692
Estonia	2,463	2,474	2,471	2,376	2,660
Finland	3,876	3,990	4,111	4,270	4,390
France	3,545	3,577	3,586	3,599	3,612
Great Britain	3,761	4,105	4,191	4,256	4,418
Greece	4,986	5,036	5,303	5,879	6,432
Netherlands	6,282	5,101	5,117	5,200	5,212
Hungary	3,269	3,581	3,547	3,517	3,483
reland	2,409	2,536	2,639	2,755	3,344
taly	4,245	4,220	4,240	4,243	4,263
Latvia	2,417	2,392	2,361	2,326	n.d.
Lithuania	n.d.	3,602	3,609	3,649	3,762
Luxembourg	4,154	4,151	4,267	4,272	4,320
Malta	7,947	7,846	7,894	7,784	6,665
Poland	4,611	3,501	4,574	4,550	4,491
Portugal	2,943	3,461	3,644	3,705	3,733
Czech Rep.	2,973	2,982	2,984	2,996	2,995
Romania	3,191	3,185	3,175	3,162	3,148
Sweeden	n.d.	n.d.	4,565	4,222	4,303
EU average	4,606	4,432	4,550	4,462	4,548

Unit: inhabitants per permanent office. Source: UPU. 264



### Postal density – EU Graph 7

# Quality of service indicators Table 11

	Unit	2004	2005	2006	2007	2008
Ordinary mail						
Delivery delay (up to 3 workingdays)	%	97,0%	97,2%	94,9%	97,1%	96,7%
Ordinary Mail not delivered up to 15 working days	per thousands objects	1,5	1,1	1,3	1,6	1,7
Priority mail						
Delivery delay (next workingday deliveries)*	%	95,1%	95,6%	92,6%	94,7%	95,0%
Priority mail not delivered up to 10 working days	per thousands objects	1,8	1,4	1,6	1,4	1,3
Waiting queue at the post office **						
Average time		92,1%	92,3%	92,6%	89,4%	90,6%
		_				

Source: CTT, ANACOM. \*Until 2003 consider all national traffic, after 2003 consider only mainland traffic.

\*\* Average percentage of waiting queue at post office of less than 10 minutes

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.



# • ELECTRONIC COMMUNICATIONS

Note: This report was based on the information available, while estimates were used in the cases shere providers did not send the statistical data in due time. This information can be corrected in the future.

# **Electronic communications infrastructures**

### **Optical Fibre**

Table 12

	2004	2005	2006	2007	2008
Installed optical fibre					
Own optical fibre	491,850	544,320	621,373	866,204	1,004,691
Optical fibre yielded by other entities	18,472	20,779	23,354	25,496	51,867

Unit: Km.pair

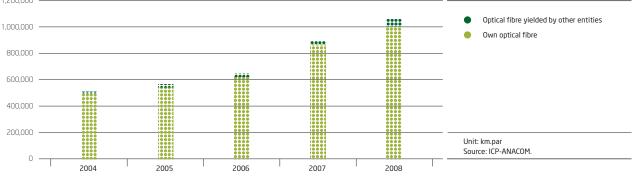
Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.

#### Optical fibre Graph 18

1,200,000 -



### Installed Resources in Transmission/Transit Network Table 23

	Unit	2004	2005	2006	2007	2008
	Unit		2005		2007	
Installed resources						
Optical fibre	Km.pair	348,339	376,730	437,609	519,365	586,399
Radio link	Km	16,343	17,390	20,564	24,530	26,298
Coaxial Cable (includes fibre-coaxial access)	Km	1,876	1,929	1,862	1,966	3,603
Satellite access	Km	512	512	512	512	512

Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.

#### Installed access – Access network Table 14

2004	2005	2006	2007	
		2000	2007	2008
6,164,484	5,740,093	5,649,285	5,578,026	5,355,724
1,918,637	1,968,811	1,983,140	2,172,427	2,172,770
4,446	8,689	10,258	19,239	22,630
350,548	355,656	394,163	432,226	413,373
398,303	637,749	880,969	833,173	921,305
5,434	5,703	9,486	16,223	25,873
-	1,918,637 4,446 350,548 398,303	1,918,637         1,968,811           4,446         8,689           350,548         355,656           398,303         637,749	1,918,637         1,968,811         1,983,140           4,446         8,689         10,258           350,548         355,656         394,163           398,303         637,749         880,969	1,918,637         1,968,811         1,983,140         2,172,427           4,446         8,689         10,258         19,239           350,548         355,656         394,163         432,226           398,303         637,749         880,969         833,173

Unit: 1 access

Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.

# Leased lines

<sup>(\*)</sup> Offered in the scope of the license of Public Telecommunications Networks operator (Law no. 5/2004 of 10 of February).

### Leased Lines Customers Table 15

	2004	2005	2006	2007	2008
Customers					
Retail Leased Lines	5,530	3,714	3,302	3,012	2,800
Wholesale Leased Lines	125	141	184	504	478

Unit: 1 customer

Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.

\* The FWA data is in the scope of the licenses attributed in the public competition.

The decrease of the number of FWA accesses is dued to the fact that two of the operators ceased to provide the service.

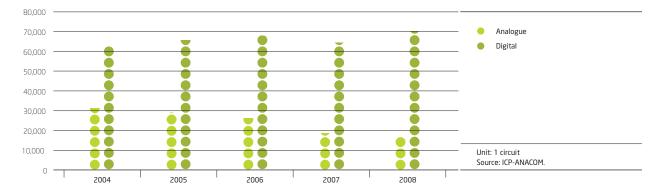


# Leased Lines by technology Table 16

	-	2004	2005	2006	2007	2008
Retail and Wholesale Leased Lines						
Analogue		30,871	29,151	26,225	18,820	17,356
Digital		63,164	65,588	67,535	64,260	70,377
	< 64 Kbps	144	155	151	114	130
	64 Kbps	16,415	13,958	13,317	12,470	10,287
	n * 64 Kbps	24,257	24,455	23,810	22,709	21,324
	2 Mbps	21,429	25,864	28,970	27,433	37,042
	34 Mbps	419	522	503	509	498
	>= 140 Mbps	500	634	784	1,025	1,096
Retail Leased Lines						
Analogue		7,519	6,809	6,170	5,567	5,101
Digital		12,081	11,586	8,604	8,507	6,532
	< 64 Kbps	116	131	109	95	87
	64 Kbps	3,497	3,207	3,051	2,730	1,840
	n * 64 Kbps	6,103	5,881	3,763	3,522	2,132
	2 Mbps	2,282	2,272	1,586	2,042	2,363
	34 Mbps	54	90	77	89	70
	>= 140 Mbps	29	5	18	29	40
Wholesale Lea sed Lines						
Analogue		23,352	22,342	20,055	13,253	12,255
Digital		51,083	54,002	58,931	55,753	63,845
	< 64 Kbps	28	24	42	19	43
	64 Kbps	12,918	10,751	10,266	9,740	8,442
	n * 64 Kbps	18,154	18,574	20,047	19,187	19,192
	2 Mbps	19,147	23,592	27,384	25,391	34,679
	34 Mbps	365	432	426	420	428
	>= 140 Mbps	471	629	766	996	1,056

Unit: 1 circuit Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates. These figures were based on data supplied by service providers and may be corrected.



### Leased lines by technology Graph 9

#### Leased lines revenues Table 17

	2004	2005	2006	2007	2008
Leased Lines Retail Revenues	59,495	53,162	46,899	49,797	50,599
Leased Lines wholesale Revenues	288,279	313,016	309,010	287,034	288,384
Revenues	347,774	366,178	355,909	336,831	338,982

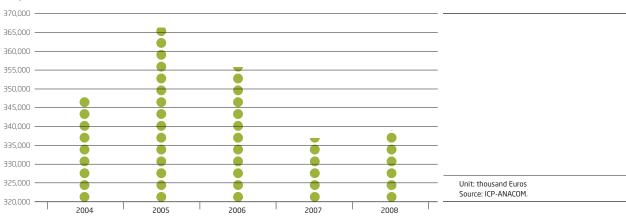
Unit: 10<sup>3</sup> Euros

Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates. In particular, the wholesale revenue were changed due to corrections in the series of an operator, which included in this item wholesale revenues from other services.

These figures were based on data supplied by service providers and may be corrected.

### Revenues Graph 10





# **Fixed Telephony and Public Telephones**

### **Active Providers**

### **Fixed telephone service**

### Table 18

	2004	2005	2006	2007	2008
Licensed providers	21	22	23	24	25
Active providers	13	14	13	17	17
with direct and indirect access	8	10	9	11	11
with direct access traffic only	2	1	2	5	5
with indirect access traffic only	3	3	2	1	1

Unit: 1 provider Source: ICP-ANACOM.

Source. ICP-ANACOM.

Note: These figures were based on data supplied by service providers and may be corrected.

### Non-nomadic VoIP service Table 19

	2006	2007	2008	
Active providers	n.d.	2	5	_

Unit: 1 provider Source: ICP-ANACOM.

Note: These figures were based on data supplied by service providers and may be corrected.

### Nomadic VoIP service Table 20

Licensed providersn.d.1318Active providersn.d.67		2006	2007	2008
Active providers n.d. 6 7	Licensed providers	n.d.	13	18
	Active providers	n.d.	6	7

Unit: 1 Provider Source: ICP-ANACOM.

### **Access lines**

#### **Number of main lines** Table 21

	2005	2006	2007	2008
Total main lines (*)	4,235,8	4,241,8	4,203,8	4,130,2
Accesses installed on customer request	4,127,5	4,135,8	4,098,7	4,023,8
Analogue accesses	2,999,7	2,849,9	2,610,7	2,213,4
Digital accesses	832,8	823,2	812,8	781,8
ISDN Basic Rate	524,8	511,0	494,1	469,4
ISDN Primary Rate	302,5	306,0	313,5	306
ISDN Partitioned Primary Rate	4,6	5,3	4,2	4,2
Others (Diginet,)	1,0	0,9	1,0	1,7
GSM	71,5	211,2	364,9	399,5
Others**	223,4	251,5	310,3	629,1

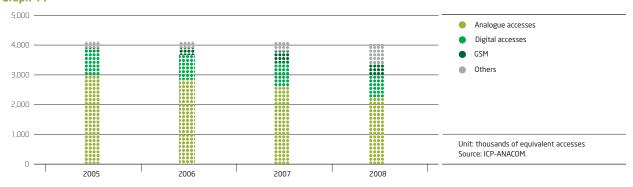
Unit: thousands of equivalent accesses

. Source: ICP-ANACOM.

Note: These figures were based on data supplied by service providers and may be corrected.

(\*\*) Includes Voice over internet accesses, offered in a fixed place and perceived by the users as a fixed telephone service or equivalent and accesses by cable telephony.

### **Main lines** Graph 11



# Public payphones Table 22

	2004	2005	2006	2007	2008
Total public payphones (*)	47,442	45,334	43,233	41,498	36,391

Unit: 1 phone

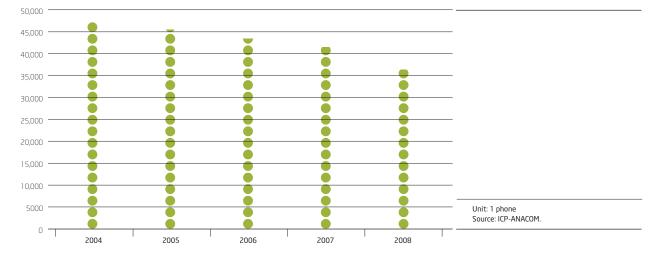
Source: ICP-ANACOM.

\* includes commercial public telephones

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.





### Public payphones Graph 12

# Main telephone lines per 100 inhabitants – Portugal Table 23

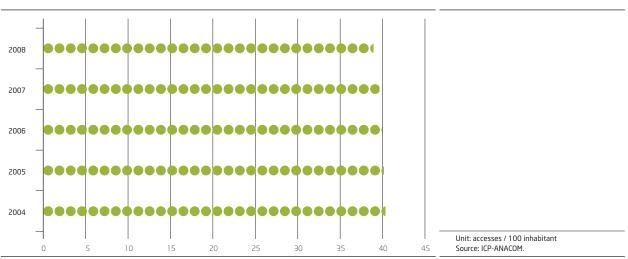
	2004	2005	2006	2007	2008
Main Telephone Lines per 100 Inhabitants (*)	40,3	40,1	40,0	39,6	38,9

Unite: accesses/100 inhabitant

Source: INE, ICP-ANACOM

\* Includes public payphones

Note: These figures were based on data supplied by service providers and may be corrected.



### Main telephone lines per 100 inhabitants Graph 13

272

# Main telephone lines per 100 inhabitants – EU Table 24

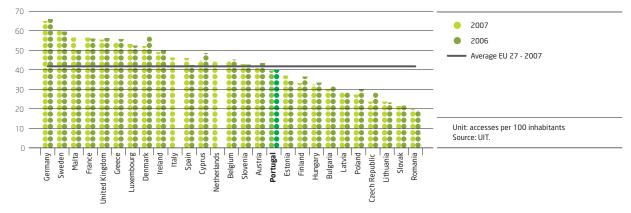
	2002	2003	2004	2005	2006	2007
Germany	65,0	65,7	66,1	66,3	65,9	65,1
Austria	47,9	47,6	46,6	45,7	43,4	40,8
Belgium	47,6	46,9	46,0	45,4	45,2	44,6
Bulgaria	36,6	36,1	35,1	32,2	31,3	30,1
Cyprus	59,8	59,0	51,8	50,3	48,3	44,9
Denmark	68,9	67,0	64,5	61,7	56,9	51,9
Slovakia	26,1	24,1	23,2	22,2	21,6	21,4
Slovenia	40,5	40,7	40,9	41,5	42,6	42,8
Spain	42,9	41,6	41,5	42,2	42,4	45,9
Estonia	35,1	34,1	33,3	33,3	34,1	37,1
Finland	52,3	49,2	45,4	40,4	36,5	33,0
France	57,2	56,6	55,8	55,7	55,8	56,5
Greece	57,1	55,0	57,2	56,7	55,4	53,9
Netherlands	49,6	48,2	48,4	46,6	ND	44,7
Hungary	36,2	35,6	35,3	33,8	33,4	32,4
Ireland	50,2	49,1	49,8	49,5	49,9	49,1
Italy	48,1	45,9	44,8	43,1	ND	46,3
Latvia	30,1	28,2	28,5	31,7	28,6	28,3
Lithuania	26,9	23,9	23,8	23,4	23,2	23,6
Luxembourg	55,7	54,3	53,4	52,6	52,4	53,2
Malta	52,3	52,1	51,6	50,5	50,0	56,6
Poland	30,7	31,9	32,6	30,7	29,8	27,1
Portugal	41,4	40,9	40,3	40,3	40,2	39,6
United Kingdom	58,8	58,1	57,8	57,1	56,1	55,4
Czech Republic	36,0	35,5	33,6	31,5	28,3	23,6
Romania	19,3	20,0	20,2	20,3	19,4	19,9
Sweden	62,4	61,7	63,1	62,3	59,5	60,4
EU 27	49,7	49,1	48,9	48,2	41,0	41,8

Unit: accesses per 100 inhabitants

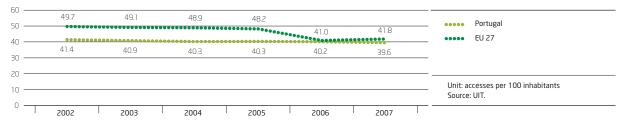
Source: UIT.



### Main telephone lines per 100 inhabitants – EU Graph 14



### Main telephone lines per 100 inhabitants Graph 15



# Telephone traffic

# National telephone traffic Table 25

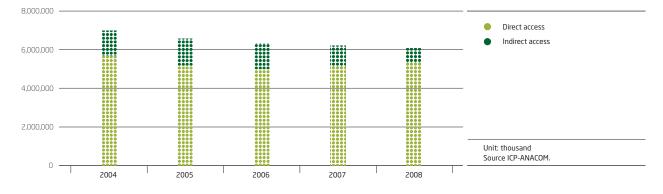
	2004	2005	2006	2007	2008
Minutes	11,413,374	9,679,325	8,503,669	7,879,905	7,655,142
Geografic National Voice Traffic	6,989,899	6,575,364	6,350,872	6,217,015	6,094,917
Direct access	5,702,758	5,215,308	5,038,219	5,170,725	5,329,193
Indirect access	1,287,141	1,360,055	1,312,653	1,046,290	765,723
Fixed-to-Mobile National Traffic	1,253,890	1,219,648	1,155,385	1,155,175	1,095,574
Direct access	1,037,296	992,199	928,546	963,651	950,004
Indirect access	216,594	227,450	226,840	191,524	145,569
Internet Acess Traffic	3,169,586	1,884,313	997,412	414,524	201,586
Nomadic VoIP traffic*			n.d.	93,191	263,066
Calls	3,323,178	3,094,003	2,856,170	2,708,558	2,587,869
Geografic National Traffic	2,468,281	2,339,972	2,182,342	2,049,287	1,942,389
Direct access	1,983,702	1,842,310	1,704,047	1,645,532	1,629,591
Indirect access	484,580	497,661	478,295	403,755	312,798
Fixed-to-Mobile National Traffic	699,827	660,191	615,624	609,146	571,330
Direct access	583,209	539,860	497,762	511,660	497,527
Indirect access	116,618	120,330	117,862	97,486	73,803
Internet Acess	155,069	93,841	58,204	30,395	20,336
Nomadic VoIP traffic*			n.d.	19,730	53,813

Unit: thousands minutes/thousand calls Source: ICP-ANACOM.

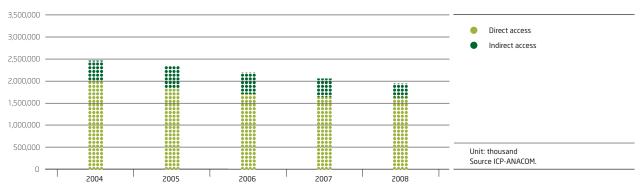
\* Nomadic VoIP includes international telephone traffic Note: These figures were based on data supplied by service providers and may be corrected.



### National telephone traffic – minutes Graph 16



### National telephone traffic – calls Graph 17



# International telephone traffic Table 26

	2004	2005	2006	2007	2008
Minutes					_
Outgoing	507,937	591,352	549,684	566,350	557,982
Direct access	408,404	489,361	456,690	488,914	497,394
Indirect access	99,533	101,992	92,994	77,437	60,588
Calls					_
Outgoing	120,660	133,910	124,204	129,480	107,658
Direct access	93,743	106,576	98,501	106,287	89,474
ndirect access	26,918	27,335	25,703	23,193	18,184

Unit: thousands minutes/thousands calls

Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.

# Fixed telephony and public telephones revenues

### Fixed telephony and public telephones Table 27

	2004	2005	2006	2007	2008
Monthly rental	605,330	603,503	576,069	558,816	498,667
Traffic	787,081	682,556	557,353	465,741	422,719
National traffic	643,855	556,852	458,726	373,831	336,366
International traffic	104,198	93,161	76,352	73,810	72,955
SMS and public telephones	39,028	32,543	22,275	18,100	13,398
Other revenues	12,592	15,751	12,058	23,577	19,822
Total revenues*	1,405,002	1,301,810	1,145,480	1,048,133	941,208

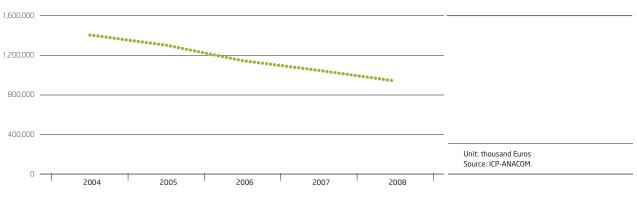
Unit: 10<sup>3</sup> Euros.

Source:: ICP-ANACOM.

\* Includes revenues from virtual call-cards.

Note: Some values were revised due to providers information updates. These figures were based on data supplied by service providers and may be corrected.

### Revenues Graph 18



### Nomadic VolP Table 28

	2004	2005	2006	2007	2008
Nomadic VoIP revenues	n.d.	n.d.	n.d.	5,728	13,724

Unit: 10<sup>3</sup> Euros. Source: ICP-ANACOM.

Note: These figures were based on data supplied by service providers and may be corrected.



# Mobile telephone service

### Number of service providers Table 29

	2004	2005	2006	2007	2008
Number of service providers	3	З	3	4	5

Unit: 1 provider Source: ICP-ANACOM.

Note: During 2007, CTT-Correios de Portugal, S.A. started the Mobile Telephone Service (MTS) provision based on a mobile operator infrastructure owner. During 2007, ZON TV Cabo Portugal S.A. started the Mobile Telephone Service (MTS) provision based on a mobile operator infrastructure owner.

### Number of subscribers

### Mobile telephony

Table 30

	2004	2005	2006	2007	2008
Number of subscribers	10,571	11,447	12,226	13,451	14,910
Post-paid	2,148	2,157	2,456	3,131	3,863
Pre-paid	8,424	9,291	9,771	10,320	11,047

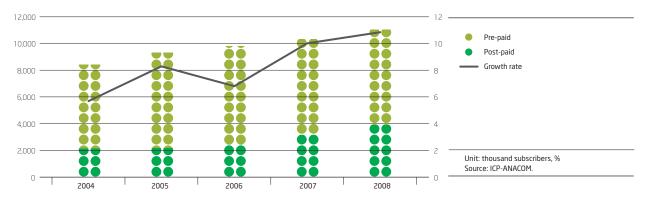
Unit: thousand subscribers.

Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.

# Number of subscribers evolution and growth Graph 19



### 3G and 3,5G services users (UMTS and HSPA) Table 31

	2006	2007	2008
Total number of possible users of UMTS services	n.d.	3,074	4,320
of which were active in the period being reported	n.d.	869	1,284

Unit: thousand users Source: ICP-ANACOM.

Note: These figures were based on data supplied by service providers and may be corrected.

### Mobile TV service Table 32

	2005	2006	2007	2008
Number of subscribers	n.d.	102,252	209,033	423,241

Unit: thousand subscribers Source: ICP-ANACOM.

Note: These figures were based on data supplied by service providers and may be corrected.

# Market penetration

Table 33

	2004	2005	2006	2007	2008
Portugal	100	108	115	127	140
UE (25)	87	96	105	114	119

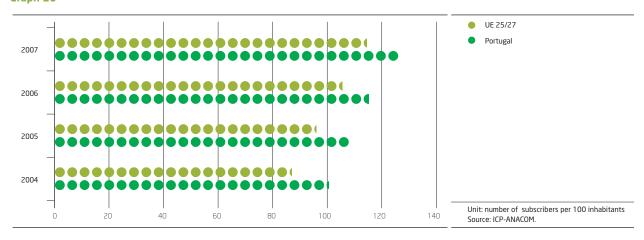
Unit: Number of subscribers per 100 inhabitants

Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.

### Market penetration Graph 20



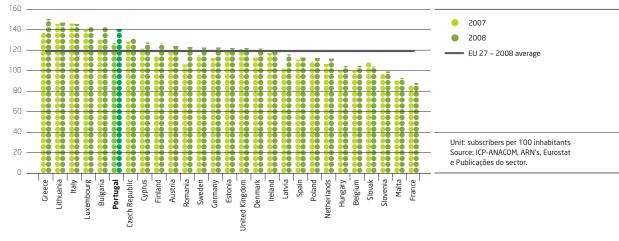


# Market penetration – EU Table 34

ladie 54					
	2004	2005	2006	2007	2008
Germany	82	91	99	112	122
Austria	96	104	112	118	124
Belgium	81	84	91	100	104
Bulgaria			107	130	143
Cyprus	88	100	111	121	127
Denmark	97	99	106	112	121
Slovakia	79	84	91	108	104
Slovenia	96	90	90	96	99
Spain	88	97	106	111	112
Estonia	93	106	116	118	122
Finland	95	102	106	114	127
France	69	76	82	86	88
īreece	94	105	116	137	150
Netherlands	93	93	98	106	112
Hungary	82	87	93	101	104
reland	89	100	109	117	119
taly	102	119	132	146	146
_atvia	63	79	98	107	115
ituânia	100	125	139	145	146
Luxembourg	126	134	136	140	143
Malta	77	81	85	90	93
Poland	61	76	96	109	112
Portugal	100	108	115	127	140
Jnited Kingdom	101	108	115	121	122
Czech Republic	106	113	128	128	131
Romania			81	106	123
Śweden	109	109	116	115	123
EU 27				114	119
EU 25	87	96	105	114	119

Unit: subscribers per 100 inhabitants Source: ICP-ANACOM, ARN's, Eurostat e Publicações do sector.

### Market penetration – EU Graph 21



### Mobile traffic Table 35

	2004	2005	2006	2007	2008
Calls					
Outgoing traffic (*)	6,052	6,452	6,648	7,035	7,508
National mobile-fixed	517	512	534	552	525
Mobile-international	196	208	226	248	265
Mobile-mobile on-net	4,023	4,345	4,439	4,693	5,104
Mobile-mobile off-net	1,316	1,387	1,448	1,542	1,614
Incoming traffic	2,152	2,205	2,254	2,371	2,405
Mobile-mobile off-net	1,318	1,390	1,455	1,544	1,602
Fixed-mobile	659	627	593	610	578
International-mobile	175	189	206	217	225
Minutes			_		_
Outgoing traffic (*)	10,649	11,608	12,452	13,646	15,267
National mobile-fixed	823	829	858	932	958
Mobile-international	510	537	583	642	690
Mobile-mobile on-net	7,169	7,929	8 520	9,362	10,762
Mobile-mobile off-net	2,147	2,313	2 491	2,709	2,858
Incoming traffic	3,836	4,008	4,225	4,552	4,670
Mobile-mobile off-net	2,148	2,314	2,493	2,705	2,850
Fixed-mobile	1,176	1,148	1,119	1,177	1,135
International-mobile	512	546	613	669	685

Unit: millions

Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.



### Table 36 SMS, MMS traffic and video calls

	2004	2005	2006	2007	2008
Text messages (SMS) sent *	2,528,8	4,689,4	12,452,5	18,439,1	23,302,1
Text messages (SMS) peer to peer	2,447,7	4,554,5	12,279,0	18,261,7	23,302,1
Multimedia messages (MMS) sent **	3,2	19,9	35,9	50,4	76,8
Video calls made		n.d	4,2	3,6	4,9
Video calls traffic volume (millions of minutes)		n.d	9,7	5,8	14,4

Unit: millions

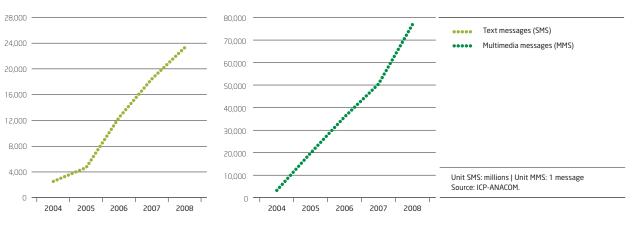
Source: ICP-ANACOM.

\* Include value added messages to content (incoming) and|or televoting (outgoing) services.

\*\* Estimated values for 2004 and 2005.

Note: Some values were revised due to providers information updates. These figures were based on data supplied by service providers and may be corrected.

### Text messages sent (SMS) vs Multimedia messages sent (MMS) Graph 22



# Cellular mobile service revenues Table 37

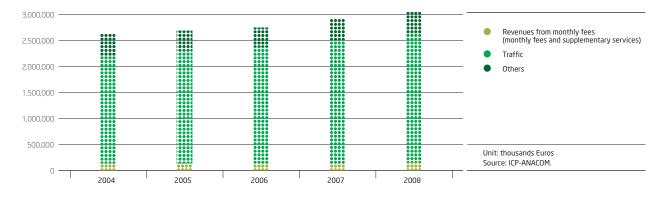
	2004	2005	2006	2007	2008
Revenues from service provision to operators	836,899	756,072	663,814	648,883	610,687
termination voice revenues				495,140	454,879
roaming-in voice revenues				66,102	51,439
termination data revenues				40,996	53,004
origination revenues				27,804	31,769
roaming-in revenues excluding voice calls				18,841	19,595
Total retail revenues	2,611,697	2,686,465	2,745,337	2,914,640	3,042,461
Revenues from service provision to customers (prepaid cards and post paid) *	2,217,225	2,307,289	2,391,122	2,519,217	2,622,943
monthly fees revenues (subscriptions and additional services)	145,031	145,866	149,095	159,958	160,188
voice traffic revenues	1,822,321	1,880,046	1,907,472	1,899,130	1,864,721
of which roaming-out				156,691	140,315
messages service revenues				260,115	256,701
of which MMS revenues				12,842	13,350
mobile data traffic revenues				200,014	341,333
mobile broadband internet access				130,134	259,377
of which connected through PCMCIA cards/modem				64,720	207,551
videocalls				1,290	1,717
mobile TV				3,162	4,648
roaming-out excluding voice calls				15,022	21,788
other data mobile services				50,405	53,803
Other revenues	394,472	379,176	354,214	395,424	419,518
equipment sales	n.d.	336,286	288,310	319,487	324,604
other revenue	n.d.	42,890	65,905	75,936	94,915
Total revenues	3,448,596	3,442,537	3,409,150	3,563,523	3,653,148

Unit: 10<sup>3</sup> Euros Source: ICP-ANACOM.

\* Retail service. Note: Some values were revised due to providers information updates. These figures were based on data supplied by service providers and may be corrected.



### Retail revenues Graph 23



# **Subscription TV networks**

## **Cable networks**

### Number of cabled households Table 38

	2004	2005	2006	2007	2008
Number of cabled households	3,631	3,773	3,825	4,040	4,269

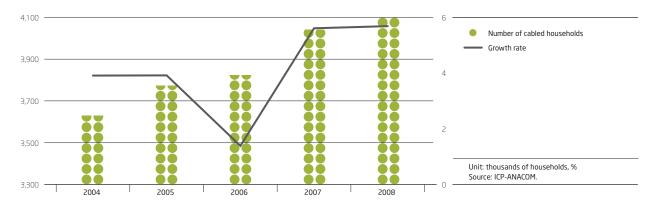
Unit: thousands of households.

Source: ICP-ANACOM.

Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.

### Number of cabled households and growth Graph 24



### Number of cable TV subscribers Table 39

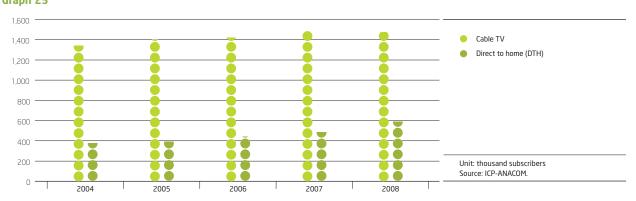
	2004	2005	2006	2007	2008
Cable TV	1,343	1,400	1,421	1,490	1,476
Direct to home (DTH)	375	394	436	484	586

Unit: thousand subscribers. Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.

### **Number of subscribers** Graph 25



### Network infra-structure Table 40

	2004	2005	2006	2007	2008
Cables households with bidirectionality	3,481	3,656	3,753	3,991	4,189
Which with access to services supported on the standard EURODOCSIS 3.0 or equivalent	n.d.	n.d.	n.d.	n.d.	263

Unit: thousand households

Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates. These figures were based on data supplied by service providers and may be corrected.



# Market penetration of cable networks Table 41

	2004	2005	2006	2007	2008
Subscribers per 100 households	25	26	26	27	26
Subscribers per 100 cabled	40	40	40	39	38
Subscribers per 100 inhabitants	13	13	13	14	14

Source: ICP-ANACOM.

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.

#### Market penetration of cable networks Graph 26 30 -Subscribers per 100 inhabitants 25 ē ē Subscribers per 100 households ĕ Õ Õ Õ Ō Õ Õ Õ 20 Ó 15 ••• • ĕ Ó Č Õ 10 ŏŏ ŏŏ ŏŏ ŏŎ 5 ĕĕ ĕĕ é à é ð e Unit: % Source: ICP-ANACOM. ÓÓ ŏŎ Ŏ ŏŎ Ö O Ö O 0 -2004 2005 2006 2007 2008

### Cabled households per NUTS III\* Table 42

		2004	2005	2006	2007	200839,6	
	Minho-Lima ,	16,236	17,534	19,542	23,801	24,344	
	Cávado	118,362	122,454	138,310	140,738	142,136	
	Ave	38,428	44,060	67,758	75,919	79,344	
	Grande Porto	667,933	696,057	744,808	796,579	859,592	
lorth	Tâmega	11,829	12,630	28,835	29,370	30,395	
	Entre Douro e Vouga	107,171	109,706	115,327	119,125	120,642	
	Douro	10,342	10,793	10,631	12,796	20,391	
	Alto Trás-os-Montes	0	0	0	10,058	23,664	
	Baixo Vouga	115,999	119,107	121,545	125,637	127,310	
	Baixo Mondego	90,303	102,277	102,295	110,670	114,770	
	Pinhal Litoral	68,999	71,253	67,404	71,622	73,834	
	Pinhal-Interior-Norte	2,687	2,687	2,780	4,637	7,266	
Centre	Pinhal-Interior-Sul	0	0	0	0	0	
	Dão-Lafões	46,898	48,311	48,472	52,605	58,769	
	Serra da Estrela	7,047	7,047	7,138	7,138	7,535	
	Beira-Interior-Norte	10,261	10,441	10,541	10,747	10,779	
	Beira-Interior-Sul	17,180	17,451	18,697	18,709	18,938	
	Cova da Beira	21,256	22,140	22,331	22,826	23,045	
	Oeste	84,878	88,362	90,967	98,061	104,659	
	Médio Tejo	35,783	38,491	38,796	40,864	40,967	
*-k	Grande Lisboa	1,052,988	1,091,877	1,061,633	1,112,413	1,181,196	
isbon	Península de Setúbal	648,312	665,494	646,661	656,454	668,594	
	Lezíria do Tejo	61,751	65,329	59,600	62,766	67,052	
	Alentejo Litoral	15,587	15,712	16,027	16,085	16,429	
lentejo	Alto Alentejo	0	0	0	13,407	18,856	
	Alentejo Central	34,266	34,858	33,033	39,741	40,907	
	Baixo Alentejo	12,028	12,125	13,622	15,748	18,260	
lgarve	Algarve	191,727	203,937	194,824	204,791	213,321	
zores	RAA	55,403	55,888	55,891	55,891	66,026	
1adeira	RAM	86,943	86,793	87,711	90,594	90,696	
Portugal (total)		3,630,597	3,772,814	3,825,179	4,039,792	4,269,717	

Unit: 1 household. Source: ICP-ANACOM.



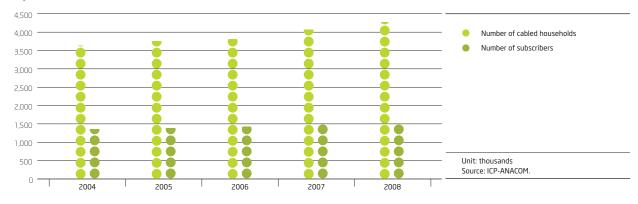
# Subscribers per NUTS III\* Table 43

		2004	2005	2006	2007	2008
	Minho-Lima	5,251	5,343	5,631	6,481	6,383
	Cávado	27,372	27,668	28,902	32,149	32,596
	Ave	13,148	13,270	15,756	18,833	20,252
	Grande Porto	230,117	238,085	240,931	262,862	269,729
North	Tâmega	3,874	3,993	5,012	5,963	6,343
	Entre Douro e Vouga	34,813	36,138	37,080	38,549	38,212
	Douro	3,153	3,139	3,008	3,266	3,238
	Alto Trás-os-Montes	0	0	0	362	2,018
	Baixo Vouga	41,981	44,261	45,002	47,578	46,890
	Baixo Mondego	30,402	31,320	31,435	32,648	32,217
	Pinhal Litoral	16,249	16,894	16,906	17,154	16,853
	Pinhal-Interior-Norte	1,020	1,033	1,028	1,233	1,673
	Pinhal-Interior-Sul	0	0	0	0	0
	Dão-Lafões	13,132	13,729	13,835	14,421	14,796
Centre	Serra da Estrela	2,390	2,462	2,457	2,450	2,436
	Beira-Interior-Norte	4,552	4,727	4,865	4,964	4,505
	Beira-Interior-Sul	7,633	7,929	8,343	7,986	7,495
	Cova da Beira	7,941	8,272	8,638	8,860	8,104
	Oeste	26,252	27,402	28,496	31,016	31,003
	Médio Tejo	9,659	9,967	9,717	11,052	9,888
	Grande Lisboa	495,580	515,539	514,176	519,995	503,806
Lisbon	Península de Setúbal	180,363	191,852	194,808	203,024	199,958
	Lezíria do Tejo	13,301	13,963	14,301	14,619	13,705
	Alentejo Litoral	7,269	7,547	7,665	7,801	7,456
Alentejo	Alto Alentejo	0	0	0	3,800	5,250
	Alentejo Central	10,614	11,302	12,036	14,522	13,324
	Baixo Alentejo	5,143	5,299	5,716	6,256	6,163
Algarve	Algarve	50,336	52,596	52,600	56,082	54,618
Azores	RAA	38,751	40,047	43,827	45,695	46,063
Madeira	RAM	62,365	66,073	68,367	70,277	70,428

Unit: 1 subscriber.

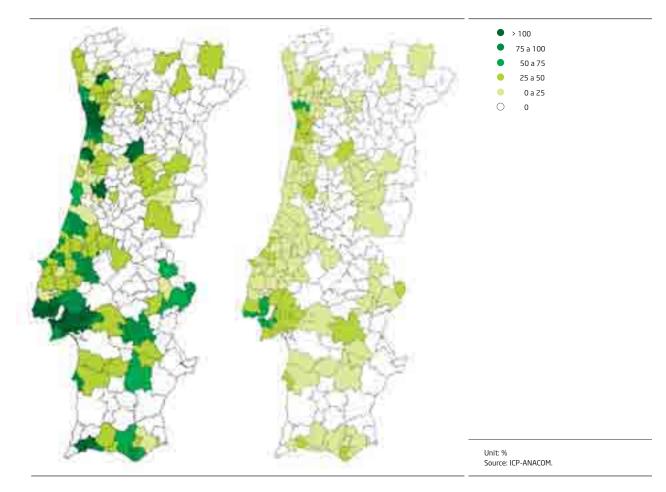
Source: ICP-ANACOM.

Note 1: Note: According to Decree-Law no. 244/2002, of November 5th, the region previously denominated "Lisboa e Vale do Tejo" were disaggregated. Now, the "Oeste" and "Médio Tejo" regions are part of "Centro" zone, and "Lezíria do Tejo" are part of "Alentejo" zone. The zone "Lisboa" region, only includes "Lisboa" and "Península de Setúbal" regions. Note 2: Some values were revised due to providers information updates. These figures were based on data supplied by service providers and may be corrected.



### Cabled households and subscribers Graph 27

### Cabled households percentage vs. subscribers percentage – 2008 Graph 28





#### **Cable networks revenues** Table 44

	2004	2005	2006	2007	2008
TV Revenue *	433,765	471,301	496,212	537,522	569,098
Cable TV service	320,732	344,055	366,616	392,701	405,236
Direct to home service	113,033	127,246	129,597	144,820	163,862

Unit: thousands Euros. Source: ICP-ANACOM.

\* Revenue for the television service. Does not include revenue from bundled services.

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.

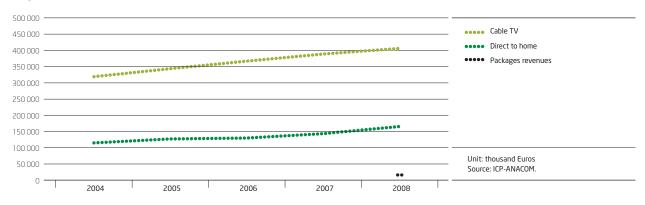
# Packages revenues Table 45

	2008
Revenue from bundled services *	18,286
Cable TV service	18,286
Direct to home service	0

Unit: thousands Euros Source: ICP-ANACOM.

\* Revenue from bundled services that include TV and are not earmarkable.

### Revenues Graph 29



# Other television distribution technologies (IPTV, DVBT, etc.)

### Subscribers of other television distribution technologies (IPTV, DVBT, etc.) Table 46

	2005*	2006	2007	2008
IPTV subscribers and similar	348	3,292	40,642	223,751

Unit: 1 subscriber

Source: ICP-ANACOM

\* In 2005 there were only trial customers.

Note: These figures were based on data supplied by service providers and may be corrected.

### Revenue from other television distribution technologies (IPTV, DVBT, etc.) Table 47

	2005*	2006	2007	2008
TV by other technologies**	13	572	5,718	9,851
Over public telephony xDSL/IPTV	13	572	5,718	9,824
Over fixed wireless access (FWA)				
TV by other technologies				27
Unit: thousands Euros.				

Source: ICP-ANACOM.

\* 2005 Revenue refers only to "customers" in test.

\*\* Revenue for the television service. Does not include revenue from bundled service which are not earmakable.

Note: These figures were based on data supplied by service providers and may be corrected.

### **Revenue from bundled services\*** Table 48

	2005	2006	2007	2008
TV by other technologies	n.d	n.d	n.d	21,208
Over public telephony xDSL/IPTV				16,245
Over fixed wireless access (FWA)				4,963
TV by other technologies				0

Unit: thousands Euros.

Source: ICP-ANACOM.

\* Revenue from bundled services that include TV and are not earmakable.



# Internet access service and non-nomadic VoIP

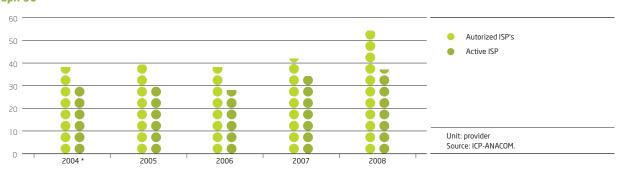
# Wired technologies

# Active providers Table 49

	2004*	2005	2006	2007	2008
Internet Access Service Providers   Data Transmission Services Providers					
Authorized ISP's	38	39	38	42	54
Active ISP	30	30	28	34	37

Unit: 1 provider Source: ICP-ANACOM.

\* The 2004 values were updated. Note: These figures were based on data supplied by service providers and may be corrected.



### Number of ISP's Graph 30

### **Number of Internet customers** Table 50

	2004	2005	2006	2007	2008
Residential	1,066,022	1,222,205	1,326,677	1,355,508	1,460,640
Non-residential	157,544	214,281	253,413	256,213	214,632
Dial-up customers*	394,943	271,046	156,403	99,326	40,975
Residential	371,696	253,286	139,783	86,234	35,574
Non-residential	23,247	17,760	16,620	13,092	5,401
ADSL access customers	410,877	672,800	881,512	891,939	947,141
Residential	299,432	502,075	673,729	678,641	766,758
Non-residential	111,445	170,725	207,782	213,299	180,383
Cable modem customers	414,916	489,892	537,552	605,799	661,685
Residential	394,894	466,844	511,272	579,251	636,762
Non-residential	20,022	23,048	26,280	26,548	24,923
Other technologies customers	2,830	2,748	4,623	14,656	25,471
Residential	0	0	1,893	11,382	21,546
Non-residential	2,830	2,748	2,730	3,274	3,925
Total number of customers*	1,223,566	1,436,486	1,580,090	1,611,720	1,675,272

Unit: 1 customer

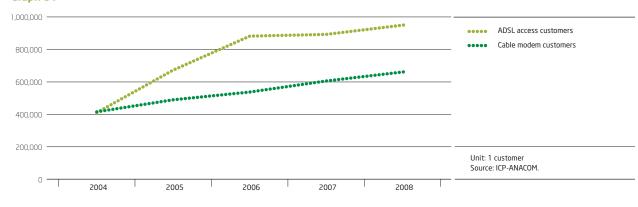
Source: ICP-ANACOM.

\* The number of dial-up customers accounting criteria was changed at 2004. The published series in 2000, 2001, 2002 and 2003 did not contained active customers only. The corresponding values were estimated, including total customers. Note 1: The commercial offer of ADSL access began in the 1st quarter of 2001.

Note 2: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.

### **Broadband Internet customers** Graph 31





### Internet fixed access market penetration Table 51

	2004	2005	2006	2007	2008
Customers per 100 inhabitants *	11,6	13,6	14,9	15,2	15,8
Broadband customers per 100 inhabitants (ADSL+Cable Modem+other)	7,9	11,0	13,4	14,2	15,4

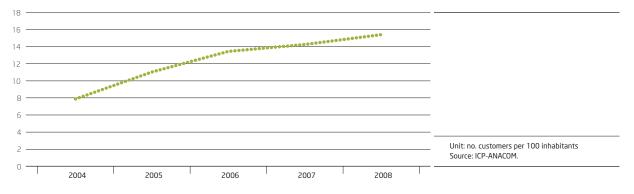
Unit: number of customers per 100 inhabitants. Source: ICP-ANACOM.

\*To calculate penetration, the total customers for any access type was considered.

Note: Some values were revised due to providers information updates.

These figures were based on data supplied by service providers and may be corrected.

### Broadband customers per 100 inhabitants (ADSL + Cable Modem + other) Graph 32



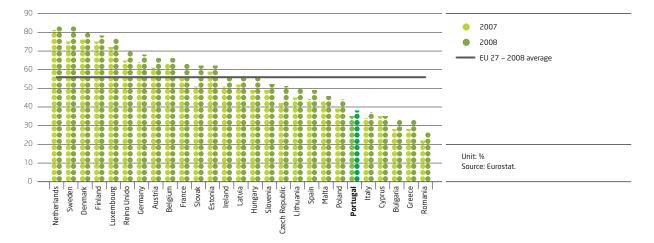
Internet	users	_	FU	
Table 52				

	2004	2005	2006	2007	2008
Germany	50	54	59	64	68
Austria	46	49	55	61	66
Belgium		53	58	63	66
Bulgaria		13	22	28	33
Cyprus	28	26	29	35	35
Denmark	70	73	78	76	80
Slovakia	40	43	43	51	62
Slovenia	33	40	47	49	52
Spain	31	35	39	44	49
Estonia	45	54	56	59	62
Finland	63	62	71	75	78
France			39	57	63
Greece	17	18	23	28	33
The Netherlands		74	76	81	83
Hungary	21	34	42	49	56
Ireland	27	31	44	51	57
Italy	26	28	31	34	37
Latvia	27	36	46	52	57
Lithuania	26	30	38	45	50
Luxembourg	59	63	65	72	77
Malta		34	36	43	46
Poland	22	29	34	39	44
Portugal	25	28	31	35	38
United Kingdom	49	54	57	65	70
Czech Republic	25	26	36	42	51
Romania	10		18	22	26
Sweden	75	76	80	75	83
EU 27	36	43	45	51	56

Unit: % Source: Eurostat (Individuals regularly using the Internet - % of individuals aged 16 to 74 who access the Internet, on average at least once a week, within the last three months before the survey.)



### Internet users - EU Graph 33



# Internet broadband market penetration Table 53

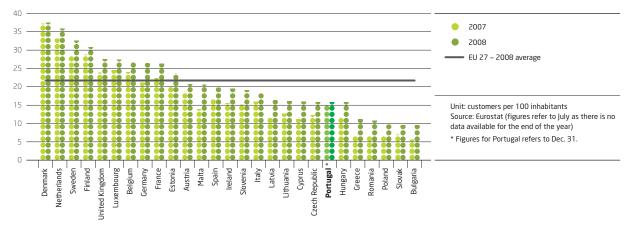
	2004	2005	2006	2007	2008
Germany	6,7	10,2	15,3	21,1	26,3
Austria	8,7	11,6	15,8	18,4	20,8
Belgium	14,0	17,4	20,7	23,9	26,6
Bulgaria				5,7	9,5
Cyprus	2,0	2,7	6,6	11,1	16,0
Denmark	15,6	22,0	29,6	37,2	37,4
Slovakia	0,4	1,5	4,0	6,9	9,6
Slovenia	3,8	7,8	11,4	15,3	19,1
Spain	6,7	10,0	13,2	16,8	19,8
Estonia	7,6	11,1	16,6	18,4	23,6
Finland	11,0	18,7	24,9	28,8	30,7
France	8,2	13,9	20,3	22,3	26,2
Greece	0,2	0,8	2,7	6,8	11,2
The Netherlands	14,7	22,4	29,0	33,1	35,8
Hungary	2,2	4,5	7,5	11,6	15,7
Ireland	1,7	4,4	8,8	15,5	19,5
Italy	6,1	9,5	13,1	15,9	18,1
Latvia	1,5	3,7	6,8	11,6	16,3
Lithuania	2,5	5,0	8,4	12,7	16,1
Luxembourg	5,7	11,7	17,4	24,6	27,3
Malta	3,5	4,5	7,5	11,6	20,5
Poland	0,5	1,9	3,9	6,8	9,6
Portugal*	7,9	11,0	13,4	14,2	15,4
United Kingdom	7,4	13,5	19,2	23,8	27,5
Czech Republic	0,7	4,3	8,4	12,2	15,8
Romania				6,6	10,7
Sweden	12,1	17,1	22,9	28,3	32,5
EU 27				18,2	21,7

Unit: number of customers per 100 inhabitants. Source: Eurostat (Figures refer to July as there is no data available for the end of the year),

\* Figures for Portugal refers to Dec.31st.



# Internet broadband market penetration Graph 34



#### Broadband accesses Table 54

	2003	2004	2005	2006	2007	2008
Cable modem accesses	314,679	415,107	490,132	537,650	605,799	668,815
ADSL accesses	184,860	424,169	700,456	916,037	927,759	996,561
Other broadband tecnologies*	3,523	3,282	3,218	5,251	15,503	26,985

Unit: accesses

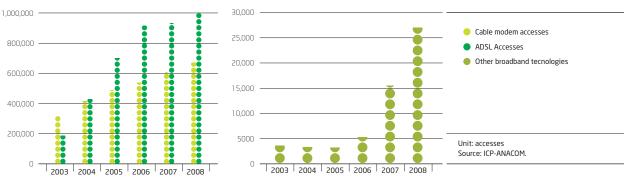
Source: ICP-ANACOM.

\* It includes the supply of Internet access service by dedicated lines, using diverse technologies and that is mainly broadband and addressed to the business category. It includes service supply using FWA (fixed wireless access) accesses.

Note: Some values were revised due to providers information updates..

These figures were based on data supplied by service providers and may be corrected.

### Cable and ADSL accesses vs other broadband tecnologies\* Graph 35



### **Internet revenue** Table 55

	2004	2005	2006	2007	2008
Revenue from Internet access service only *	367,365	420,748	454,605	483,622	421,449
Service wholesale internet access			n.d	193,971	75,461

Unit: thousands Euros.

Source: ICP-ANACOM.

\* Revenue for the Internet service only. Does not include revenue from service that is provided in bundled and not earmarkable. Note: Some values were revised due to providers information updates. Other data transmission services were withdrawn.

These figures were based on data supplied by service providers and may be corrected.

### Internet fixed access penetration rate Table 56

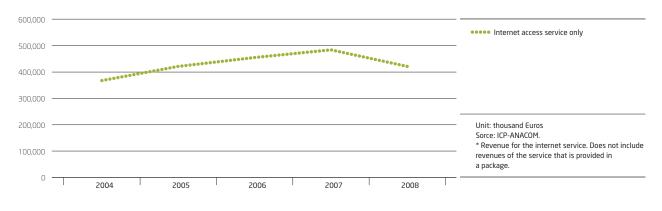
	2008
Internet access service offered in bundles*	125,755

Unit: thousands Euros

Source: ICP-ANACOM.

\* Revenue from bundled services that include Internet service and are not earmarkable.

### Revenues Graph 36





# Wired technologies

### **Active providers**

Та	Ы	e	57

	2004	2005	2006	2007	2008
Internet access service providers					
Authorized ISP's	З	З	З	3	4
Active ISP	З	3	3	3	4

Unit: 1 provider Source: ICP-ANACOM.

Note: These figures were based on data supplied by service providers and may be corrected.

### Number of users Table 58

	2007	2008
Number of users that accessed broadband mobile internet in the year	1,455	2,379
Of which active	660	1,161
Number of 3G, upgrades and equivalent standars services users with access by datacard *	452	832
Number of mobile broanband Internet access connected by datacards <b>**</b>	470	904

Unit: thousands of users

Source: ICP-ANACOM.

\* From the universe consisting of the number of active UMTS services users, represented by the indicator 1.1. of statistical indicators of UMTS data services and approved by resolution of 23-Oct-2006, aims to get the overall number of those users who are connected to the service using IMEI corresponding datacards/modems PCMCIA and USB (PCMCIA card, USB card, Modem USB, PC-Card, PC USB Card, etc.) in each of the dates indicated.

PC-Card, PC USB Card, etc.) in each of the dates indicated.
\*\* From the universe consisting of the number of active users who are connected to the service using INECONS [INCLESS] and INECONS [INCLESS] and INCLESS [INCLESS] and INCLE

Note: These figures were based on data supplied by service providers and may be corrected.

#### Outgoing traffic Table 59

		2007	2008
Traffic			
No. of APN Internet PDP sessions	thousand sessions	257,347	470,260
Volume of APN Internet traffic	thousand MB	5,066,186	13,096,605

Source: ICP-ANACOM.

Note: These figures were based on data supplied by service providers and may be corrected.

### **Revenue from mobile Internet access** Table 60

	2007	2008
Internet access service*	130,134	259,377
Unit: thousands Euros.		

Source: ICP-ANACOM. Includes broadband and narrowband access as well.
 Note: These figures were based on data supplied by service providers and may be corrected.

# Internet mobile broadband access market penetration Table 61

	2007	2008
Mobile Broadband users per 100 inhabitants	13,70	22,40

Unit: Number of users per 100 inhabitants. Source: ICP-ANACOM.

Note: These figures were based on data supplied by service providers and may be corrected.

# Voice over IP VoiP\*

### Non-nomadic Voip\* Table 62

	Unit	2006	2007	2008
Number of VoIP customers	1 Customer	14,200	18,931	149,510
Revenues of non-nomadic VoIP	Euros	394,063	495,720	8,582,597

Source: ICP-ANACOM.

Note: These figures were based on data supplied by service providers and may be corrected. \* These are VoIP services with non geographic or nomadic numbering.



# **Radiocommunications services**

# Licences by service Table 63

1,382 1,485 Broadcasting 1,412 1,419 1,467 Sound MF broadcasting Sound SW broadcasting З З З З З Sound MW broadcasting Television broadcasting Fixed Fixed – Short wave Fixed – Satelite Mobile Aeronauticas mobile service Maritime mobile service 

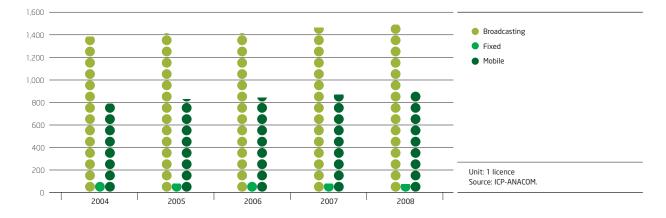
Unit: 1 station licence Source: ICP-ANACOM.

### **Network licences**

Table 64

	2004	2005	2006	2007	2008
Fixed	454	458	483	522	533
Fixed – FWA Point Multipoint	10	9	8	8	5
Fixed – Point to Point	444	449	475	489	504
Fixed – Satelite		_	_	25	24
Mobile	2,636	2,503	2,526	2,531	2,616
Cellular Mobile Service – Private	2,636	2,503	2,526	2,531	2,616
Public Communications		10	9	9	9
Trunking – Public	5	4	3	3	3
Cellular Mobile Service – Public	6	6	6	6	6
Other services	37	53	60	126	126

Unit: 1 licence Source: ICP-ANACOM.



### Station licences Graph 37



