ECONOMIC ANALYSIS DIVISION
OF THE STRATEGY DEPARTMENT
OF THE COMMUNICATIONS REGULATORY AUTHORITY
OF THE REPUBLIC OF LITHUANIA

REPORT
ON THE ELECTRONIC COMMUNICATIONS SECTOR ACCORDING TO INFORMATION PROVIDED BY ELECTRONIC COMMUNICATIONS OPERATORS AND SERVICE PROVIDERS ON THE ELECTRONIC COMMUNICATIONS ACTIVITIES CARRIED OUT DURING QUARTER IV 2017

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CONTENT

1. CONTENT

- The report on the electronic communications sector has been prepared on the basis of information provided by electronic communications operators and providers of services about the electronic communications activities that were carried out in the fourth quarter of 2017. as well as in the report is used the information of the *Statistics Lithuania*, company *Point Topic Ltd*.
- Electronic communications operators' and service providers' data are updated after publication of the relevant quarterly report as well, therefore, the data used in subsequent reports on the electronic communications sector may be different from the used in the reports on previous periods.
- As the information reported in the report is rounded to one decimal place (on revenue and investment – two decimal places), the total sum of the market shares not in all charts and tables in this report is not always equal to 100 percent.
- Revenue or indicators received by providers of electronic communications networks and services indicated in the report, for calculating of which the revenue values are used, are excluding VAT.
- The summarised indicators of electronic communication activities are given in the Annex No. 1

2. MAIN CHANGES AND TRENDS IN THE FOURTH QUARTER OF 2017

- 127 undertaking was engaged in electronic communications activities in the fourth quarter of 2017, most of them (more than 40%) carried out several activities of electronic communications.
- Electronic communications market (according to revenues) in the fourth quarter of 2017, in comparison with the third quarter of 2017, increased by 1,8%, and constituted EUR 171,89 million. In comparison with the fourth quarter of 2016, it increased by 2,0% (EUR 3,44 million).
- In the fourth quarter of 2017, electronic communications operators continued to invest into broadband communications networks (mobile 4G networks (LTE), fixed broadband, using fibre communication lines, networks). In the fourth quarter of 2017, the investments into the electronic communications network infrastructure amounted to EUR 24,54 million. Mainly in the fourth quarter of 2017 invested „Telia Lietuva“, AB into broadband communication network (more than 38% quarter of all investments).
- The broadband penetration (subscribers per 100 population) was 41,7%, and during the fourth quarter it increased by 1,0 percentage point, during the year –decreased by 3,0 percentage point.
- At the end of the fourth quarter of 2017, 45,8% of households could use 30Mbps and higher speed of the Internet, including 28,0% which could use higher speed than 100 Mbps (at the end of the fourth quarter of 2016 these figures were accordingly 42,4% and 18,1%).
- During the fourth quarter of 2017, total number of Internet service subscribers using fibre-optic communication lines was 565,6, during the fourth quarter this number increased by 1,4% (7,7 thousand new connections), during the year – 3,7%.
- Total number of subscribers that used services of data transmission through public mobile communication network (GPRS/EDGE, UMTS, UMTS HSDPA, LTE) in the fourth quarter of 2017 totalled 2.444,3 thousand (2,7% more comparing with previous quarter and 1,5% more comparing with the fourth quarter of 2016).
- The total number of subscribers that used LTE (Long Term Evolution) technology-based Internet access services, during the fourth quarter of 2017 this number increased by 10,3%, during the year – by 49,1 and was 1.765,2 thousand.
- During the fourth quarter of 2017 the number of LTE base stations increased by 3,2%, during the year – by 28,9% and at the end of fourth quarter of 2017 there were 4.821 LTE base stations.
- In the fourth quarter of 2017, in comparison with the third quarter of 2017, the amount of data sent and received by using the GPRS/EDGE, UMTS, UMTS HSDPA, LTE technologies increased by 12,7% and amounted to approximately 59.929 terabytes (TB). Comparing with the fourth quarter of 2016, in the fourth quarter of 2017 their number increased more than 3 times. 91,0% of all sent and received data were sent by using LTE and faster technologies.
- At the end of the fourth quarter of 2017, 712,9 thousand subscribers (i. e. 56,8% of all households) used pay television (pay-TV) services. During the fourth quarter the number of pay-TV subscribers increased by 0,3%. Though the majority of subscribers still use cable TV services, their share decreases. However, the number of IPTV service subscribers increases: during the fourth quarter of 2017, the number of IPTV subscribers increased by 3,4%, during the year – by 11,3%, and totalled 229,4 thousand, i. e. 32,0% of all pay-TV subscribers.

3. GENERAL OVERVIEW OF THE ELECTRONIC COMMUNICATIONS MARKET

- The terms and abbreviations used in this section of the report:
  - Quarterly change – change, comparing 2017 IVQ with 2017 IIIQ.
  - Annual change – change comparing 2017 IVQ with 2016 IVQ.

Table 1. Number of service providers, engaged in appropriate electronic communications activities, in units, and their changes, in units 2017 IVQ

Elektroninic communicatio activity	Service providers	Quarterly change	Annual change
Public mobile communication network and public mobile telephone services	14	0	-2
Public fixed communication network and public fixed telephone services	34	0	-8
Internet access services	88	-1	-15
Other data transmission services (excluding Internet access services)	17	0	1
Television services (pay-TV)	39	-1	-3
Radio and television programmes transmission services	3	0	-1
Access to physical infrastructure services	15	0	0
Total:	**127**	**-1**	**-13**

Table 2. Number of service users that used bundled offers, in thousand units, and their changes, %, 2017 IVQ.

Bundled offers	Service users	Quarterly change	Annual change
Mobile telephony communication and broadband Internet	618,8	2,5	3,2
Broadband Internet and television	204,8	0,5	80,7
Fixed telephony communication, broadband Internet and television	96,3	-1,3	0,1
Fixed telephony communication and broadband Internet	52,0	-5,6	-16,4
Fixed telephony communication and television	3,8	1,2	-
Total:	**975,8**	**1,2**	**12,0**

Table 3. Revenue, received from electronic communications networks and (or) services provision, Eur million, and their changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Revenue	158,67	160,75	160,65	166,34	168,45	165,29	174,78	168,85	171,89	1,8	2,0

Table 4. Structure of the revenue by groups of services, mill. Eur., market shares, %, and changes, in percentage points, 2017 IVQ

Service group	Revenue	Change in quarter	Change during the year	Market share	Quarterly change	Annual change
Internet access services	58,04	2,8	10,0	33,77	0,34	2,44
Mobile telephony communication	42,36	-4,3	-4,3	24,65	-1,58	-1,65
Wholesale public mobile communication network and wholesale public mobile telephone services	36,05	9,9	-0,5	20,98	1,54	-0,54
Pay-TV	17,00	1,8	4,1	9,89	0,00	0,19
Fixed telephony communication	9,41	-4,0	-14,4	5,47	-0,33	-1,05
Data transmission services *	5,86	3,9	10,9	3,41	0,07	0,27
Access to physical infrastructure services	2,06	-0,7	50,5	1,20	-0,03	0,38
Radio and television programmes transmission services	1,11	-0,7	-6,6	0,64	-0,02	-0,06

* excluding Internet access

Table 5. Structure of electronic communications market revenue by service providers, %, and changes in market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
„Telia Lietuva“, AB	42,27	0,69	0,87
UAB „Tele2“	19,89	-1,25	0,38
UAB „Bitė Lietuva“	17,46	-0,07	1,66
UAB „Mediafon Carrier Services“	3,27	0,54	-2,46
UAB „Cgates““	2,98	0,03	0,69

AB Lietuvos radijo ir televizijos centras	2,05	-0,02	0,03
Other providers	12,08	0,08	-1,17

Table 6. Investments into the electronic communication network infrastructure, mill. Eur, and their changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Investments	24,60	33,93	21,51	17,90	24,50	17,05	16,96	18,39	24,54	33,5	0,2

4. TELEPHONY COMMUNICATIONS

4.1. Retail mobile telephony communications services

- Retail mobile telephony communication services covered by this section of the report include voice services, sent short text messages (SMS) and illustrated messages (MMS) services, retail roaming voice, SMS and MMS, and other services.
- The terms and abbreviations used in this section of the report:
  - Active SIM (Subscriber Identity Module) card – such a SIM card, for which was made, in any way, the payment for the services at least once in a reporting period or was executed the telecommunication event.
  - Pre-paid – i.e. service users that use prepaid services.
  - Post-paid – i. e. service users, that pay for the services against the bills.
  - ARPU (Average Revenue per User) – the average revenue from one SIM card per month.
  - Quarterly change – change, comparing 2017 IVQ with 2017 IIIQ.
  - Annual change – change comparing 2017 IVQ with 2016 IVQ.
  - Revenue (unless otherwise stated) include the total revenue earned from the public mobile telephone services

Table 7. Number of service providers, in units, and their changes, in units, 2017 IVQ

Service	Service providers	Quarterly change	Annual change
Service providers providing services on their network (mobile operators)	3	0	0
Service providers have concluded wholesale service contract with mobile operator	4	0	-1
Service provider s resell services provided by other mobile telephone service providers	7	0	-1
All providers	**14**	**0**	**-2**

Table 8. Number of active SIM cards, in thousand units, their changes, %, and penetration (SIM cards per 100 population), %, changes in percentage points, 2015 IVQ – 2017 m. IV Q

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
SIM cards	4 184,1	4 158,2	4 182,5	4 238,7	4 204,7	4 192,2	4 217,1	4 296,0	4 295,2	-0,02	2,2
Penetration	144,8	144,5	145,7	148,2	147,6	148,0	149,5	152,6	152,8	0,1	3,6

Table 9. Structure of service providers according to the number of active SIM cards, %, and changes in market shares in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
UAB „Tele2“	42,6	0,0	-0,3
„Telia Lietuva“, AB	30,1	0,1	0,2
UAB „Bitė Lietuva“	25,3	0,0	0,2
Other providers	2,0	0,0	-0,1

Table 10. Structure of SIM cards by service providers and method of payment, in thousand units, 2015 m. IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 IQ	2017 IIQ	2017 III	2017 IV
UAB „Bitė Lietuva“	1 041,7	1 038,1	1 040,1	1 055,2	1 055,5	1 046,9	1 057,8	1 089,5	1 087,4
Pre-paid	386,6	372,1	361,7	367,1	357,2	339,0	337,5	348,2	338,8
Post-paid:	655,1	666,1	678,4	688,2	698,3	707,9	720,3	741,3	748,6
• *Consumers*	356,6	361,1	366,6	369,8	375,4	377,4	382,6	389,3	395,6
•*Other service users*	298,4	304,9	311,8	318,3	322,9	330,4	337,7	351,9	353,0
UAB „Tele2“	1 782,9	1 776,8	1 798,0	1 823,4	1 803,2	1 798,7	1 806,5	1 831,8	1 830,1
Pre-paid	897,1	881,9	878,6	904,7	865,2	850,9	840,5	847,7	816,2
Post-paid:	885,9	894,9	919,4	918,7	938,0	947,8	965,9	984,1	1 013,9
• *Consumers*	700,8	698,8	717,0	726,2	744,3	749,8	764,8	776,8	803,4
•*Other service users*	185,1	196,1	202,4	192,5	193,6	198,0	201,1	207,3	210,5
„Telia Lietuva“, AB*	1 278,8	1 262,2	1 262,4	1 275,3	1 256,8	1 259,4	1 268,1	1 290,5	1 292,6
Pre-paid	351,3	331,7	322,8	328,3	305,8	291,3	287,6	292,5	277,3
Post-paid:	927,5	930,5	939,6	947,0	951,0	968,1	980,6	998,1	1 015,3
• *Consumers*	554,9	555,7	561,9	566,4	569,1	574,1	582,7	591,8	600,0
•*Other service users*	372,6	374,8	377,7	380,6	382,0	394,0	397,9	406,2	415,4

Other providers	80,7	81,0	82,1	84,8	89,2	87,2	84,8	84,2	85,2
Pre-paid	1,3	1,3	1,3	1,3	1,3	2,1	0,7	0,7	0,7
Post-paid:	79,3	79,7	80,8	83,5	87,9	85,1	84,1	83,5	84,5
• *Consumers*	52,5	52,3	52,7	52,8	55,4	53,2	53,5	54,1	54,5
•*Other service users*	26,9	27,4	28,1	30,6	32,5	31,9	30,5	29,4	30,0
All providers	4 184,1	4 158,2	4 182,5	4 238,7	4 204,7	4 192,2	4 217,1	4 296,0	4 295,2
Pre-paid	1 636,3	1 587,0	1 564,4	1 601,4	1 529,5	1 483,3	1 466,3	1 489,1	1 433,0
Post-paid:	2 547,8	2 571,2	2 618,1	2 637,4	2 675,2	2 708,9	2 750,8	2 806,9	2 862,3
• *Consumers*	1 664,8	1 667,9	1 698,2	1 715,2	1 744,2	1 754,5	1 783,6	1 812,1	1 853,4
•*Other service users*	883,0	903,3	919,9	922,1	931,0	954,4	967,1	994,9	1 008,8

Table 11. Number portability between public mobile networks, in units, 2017 IVQ

Service providers	Transferred to network	Transferred from network	Difference
UAB „Tele2“	17520	15407	2113
UAB „Bitė Lietuva“	16003	16651	-648
„Telia Lietuva“, AB	11018	12470	-1452
Other providers	2330	2343	-13
All providers	**46871**		

Table 12. Duration of initiated calls, mill. min., and their changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Calls initiated in the Republic of Lithuania	2 097,0	2 140,5	2 173,4	2 129,5	2 123,8	2 123,2	2 158,8	2 120,1	2 127,0	0,3	0,2
Roaming initiated calls	14,0	13,7	21,8	25,2	25,8	36,1	42,8	52,9	54,3	2,7	110,6
All calls	**2 111,0**	**2 154,2**	**2 195,2**	**2 154,7**	**2 149,6**	**2 159,2**	**2 201,5**	**2 173,0**	**2 181,3**	**0,4**	**1,5**

Table 13. The structure of calls initiated in individual public mobile networks in Lithuania by voice call directions, mill. min., 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV
UAB „Bitė Lietuva“	**484,0**	**488,8**	**499,9**	**481,5**	**477,7**	**472,8**	**480,4**	**471,9**	**470,9**
Terminated on-net	242,7	240,3	244,2	232,4	228,6	221,0	223,6	219,8	217,4
Terminated in other public mobile communication networks	220,1	226,6	233,9	227,9	227,0	227,8	232,7	228,6	230,4
Terminated in public fixed communication networks	33,4	19,1	18,7	18,4	19,2	19,8	19,7	19,2	18,8
terminated in the networks of foreign countries	3,2	2,9	3,1	2,9	2,8	2,7	2,7	2,8	2,6
„Telia Lietuva“, AB	**556,2**	**563,8**	**580,9**	**567,0**	**564,6**	**567,9**	**575,9**	**567,6**	**570,4**
Terminated on-net	285,8	285,5	294,2	284,8	281,0	276,9	278,7	274,5	273,9
Terminated in other public mobile communication networks	247,4	254,2	262,6	258,6	259,0	259,9	265,6	261,8	264,7
Terminated in public fixed communication networks	18,5	19,8	19,6	19,2	20,5	21,1	21,1	20,6	21,4
terminated in the networks of foreign countries	4,5	4,4	4,4	4,3	4,1	4,1	4,2	4,4	4,2
UAB „Tele2“	**999,8**	**1 030,7**	**1 033,4**	**1 022,9**	**1 023,0**	**1 031,2**	**1 049,3**	**1 028,4**	**1 033,3**
Terminated on-net	669,4	689,7	680,3	665,4	662,5	666,6	674,4	655,0	651,0
Terminated in other public mobile communication networks	292,3	301,0	312,9	317,5	320,3	322,5	332,9	332,7	339,7
Terminated in public fixed communication networks	33,4	35,4	35,4	35,3	35,7	37,7	37,9	36,9	38,8
terminated in the networks of foreign countries	4,6	4,6	4,8	4,6	4,5	4,3	4,1	3,9	3,7
Other providers	**57,0**	**57,1**	**59,3**	**58,1**	**58,4**	**51,3**	**53,1**	**52,2**	**52,4**
Terminated on-net	18,8	18,7	19,8	19,5	19,7	14,7	15,1	14,8	14,8
Terminated in other public mobile communication networks	35,8	36,0	37,0	36,1	36,2	34,2	35,6	35,0	35,2
Terminated in public fixed communication networks	-13,6	2,0	2,0	1,9	2,1	1,8	1,8	1,7	1,8
terminated in the networks of foreign countries	0,5	0,5	0,5	0,5	0,5	0,4	0,4	0,4	0,4

All providers	**2 097,0**	**2 140,5**	**2 173,4**	**2 129,5**	**2 123,8**	**2 123,2**	**2 158,8**	**2 120,1**	**2 127,0**
Terminated on-net	1 216,7	1 234,2	1 238,5	1 202,2	1 191,8	1 179,1	1 191,8	1 164,1	1 157,2
Terminated in other public mobile communication networks	795,6	817,7	846,4	840,1	842,6	844,5	866,9	858,1	870,0
Terminated in public fixed communication networks	71,8	76,3	75,6	74,9	77,5	80,5	80,5	78,4	80,9
terminated in the networks of foreign countries	12,8	12,3	12,8	12,3	11,9	11,5	11,5	11,5	10,9

Table 14. Average call duration initiated in public mobile communication networks in Lithuania per subscriber per month by service providers, min., 2015 IVQ – 2017IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV
UAB „Bitė Lietuva“	154,9	157,0	160,2	152,1	150,9	150,5	151,4	144,4	144,4
Pre-paid	75,9	79,3	83,4	79,4	77,9	79,9	81,0	75,4	74,7
Post-paid:									
• *Consumers*	220,9	224,5	224,8	215,7	212,5	212,7	214,6	207,9	207,9
•*Other service users*	178,3	171,7	173,4	162,1	159,9	151,9	150,2	142,3	140,0
„Telia Lietuva“, AB	145,0	148,9	153,4	148,2	149,7	150,3	151,4	146,6	147,1
Pre-paid	72,1	73,9	74,4	68,6	70,0	70,8	66,1	68,3	68,2
Post-paid:									
• *Consumers*	190,5	198,3	202,2	198,7	199,2	202,3	204,1	197,2	197,0
•*Other service users*	145,9	142,1	148,3	141,8	139,9	133,3	135,8	129,3	127,8
UAB „Tele2“	186,9	193,4	191,6	187,0	189,1	191,1	193,6	187,1	188,2
Pre-paid	151,5	157,1	159,8	163,1	137,7	133,7	136,6	134,4	134,9
Post-paid:									
• *Consumers*	229,1	240,8	231,7	215,9	243,6	251,4	251,9	242,0	240,3
•*Other service users*	199,0	187,2	187,6	190,5	209,4	209,6	210,5	197,0	196,1
Other providers	235,8	235,1	240,7	228,3	218,4	196,2	208,8	206,6	205,2
Pre-paid	3,8	3,1	3,3	3,8	2,8	0,8	4,2	5,3	5,7
Post-paid:									
• *Consumers*	248,9	255,0	260,1	254,4	242,9	224,2	231,0	226,4	225,3
•*Other service users*	221,5	208,3	215,1	192,8	185,2	162,1	174,8	174,9	173,0
All providers	167,1	171,6	173,2	167,5	168,4	168,8	170,6	164,5	165,1
Pre-paid	116,5	121,3	124,4	124,4	110,1	108,9	109,9	107,6	107,7
Post-paid:									
• *Consumers*	215,1	223,6	221,3	211,3	222,4	226,2	227,7	219,6	218,9
•*Other service users*	170,3	163,9	167,5	160,7	162,9	156,6	157,6	149,4	147,7

Table 15. Structure of service providers based on the duration of voice calls initiated by service users using roaming services, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
UAB „Tele2“	38,8	1,0	17,7
„Telia Lietuva“, AB	35,4	-0,8	-11,6
UAB „Bitė Lietuva“	24,0	0,0	-5,8
Other providers	1,8	-0,2	-0,3

Table 16. Revenue, mill. Eur, and their changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Pajamos	44,88	43,86	43,83	43,90	43,25	42,89	44,11	44,28	42,37	-4,3	-2,1

Table 17. Structure of revenue by the way of payment, mill. Eur, and their changes, %, 2017 IVQ

Service providers	Revenue	Quarterly change	Annual change
Pre-paid	8,24	-9,8	-23,5
Post-paid:	34,12	-2,9	3,0
• *Consumers*	22,18	-4,0	6,9
•*Other service users*	11,94	-0,7	-3,5

Table 18. Structure of revenue by services providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
UAB „Tele2“	39,63	-2,11	-1,51
UAB „Bitė Lietuva“	29,33	0,75	2,77
„Telia Lietuva“, AB	27,34	1,83	-2,50
Other providers	3,70	-0,48	1,24

Table 19. Structure of revenue by different groups of services, %, and changes of market shares, in percentage points, 2017 IVQ

Services	Market share	Quarterly change	Annual change
Voice calls	69,84	1,69	3,58
SMS	14,02	-0,33	-0,11
Roaming	8,59	0,03	-0,97
MMS	0,60	0,06	0,10
Other services	6,94	-1,46	-2,61

Table 20. ARPU according to the service providers, Eur, and their changes, Eur, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 IQ	2017 II	2017 III	2017 IV	Quarterly change	Annual change
UAB „Bitė Lietuva“	3,79	3,59	3,63	3,56	3,54	3,80	3,99	3,87	3,81	-1,6	7,8
„Telia Lietuva“, AB	3,34	3,32	3,36	3,28	3,22	3,15	3,15	2,92	2,99	2,4	-7,4
UAB „Tele2“	3,44	3,55	3,43	3,43	3,42	3,30	3,35	3,36	3,06	-9,1	-10,6
Other providers	3,77	4,83	5,21	5,21	5,19	4,86	5,01	7,32	6,12	-16,3	17,9
All providers	**3,50**	**3,52**	**3,49**	**3,45**	**3,43**	**3,41**	**3,49**	**3,44**	**3,29**	-4,3	-4,1

Table 21. Revenue, received from retail roaming services, mill. Eur, and their changes, Eur, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Revenue	6,2	5,27	4,52	4,2	4,14	3,84	4,15	3,79	3,64	-3,9	-12,1

Table 22. Average revenue from voice calls by service providers, Eur ct per 1 minute, and their changes, Eur ct, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2007 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
UAB „Bitė Lietuva“	1,56	1,55	1,59	1,69	1,69	1,84	1,87	1,95	1,89	-2,9	12,1
„Telia Lietuva“, AB	1,67	1,65	1,66	1,69	1,57	1,40	1,46	1,45	1,55	7,0	-1,2
UAB „Tele2“	1,24	1,17	1,16	1,15	1,11	1,01	1,22	1,29	1,28	-0,7	15,3
Other providers	0,47	0,42	0,55	0,63	0,63	1,08	1,06	1,11	1,09	-1,5	74,4
All providers	**1,41**	**1,36**	**1,38**	**1,40**	**1,35**	**1,39**	**1,39**	**1,42**	**1,39**	**-2,3**	**3,1**

Table 23. Sent SMS and MMS, mill., in units, and their structure by service providers, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV
SMS	**1504,00**	**1417,61**	**1349,39**	**1235,82**	**1256,52**	**1156,85**	**1150,00**	**1077,56**	**1105,31**
UAB „Bitė Lietuva“	*24,26*	*23,52*	*23,37*	*22,59*	*21,81*	20,55	19,80	19,27	*18,93*
„Telia Lietuva“, AB	*22,32*	*21,76*	*21,65*	*21,04*	*21,70*	22,02	21,34	21,49	*21,98*
UAB „Tele2“	*52,09*	*53,17*	*53,41*	*54,69*	*54,58*	55,85	57,26	57,61	*57,34*
Other providers	*1,33*	*1,55*	*1,58*	*1,68*	*1,92*	1,58	1,60	1,64	*1,75*
MMS	**2,19**	**2,29**	**2,34**	**2,36**	**2,44**	**2,44**	**3,01**	**2,67**	**2,82**
UAB „Bitė Lietuva“	*15,26*	*15,00*	*13,22*	*14,30*	*19,41*	20,87	19,26	21,37	*22,67*
„Telia Lietuva“, AB	*29,62*	*31,44*	*33,30*	*29,78*	*28,98*	30,45	27,01	26,14	*25,10*
UAB „Tele2“	*48,07*	*46,26*	*45,63*	*49,98*	*43,30*	44,22	49,59	48,85	*47,50*
Other providers	*7,05*	*7,31*	*7,85*	*5,94*	*8,31*	4,46	4,13	3,64	*4,72*

Table 24. *Revenue*, received from SMS ir MMS, mill. Eur, and their structure by service providers, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV
Revenue from SMS	**6,12**	**5,98**	**5,79**	**5,69**	**6,11**	**6,28**	**6,14**	**6,35**	**5,94**
UAB „Bitė Lietuva“	*22,63*	*23,36*	*22,08*	*20,07*	*19,60*	22,54	23,35	22,89	*23,96*

„Telia Lietuva“, AB	*16,14*	*14,64*	*15,55*	*15,13*	*16,59*	15,26	15,14	14,23	*16,86*
UAB „Tele2“	*59,41*	*59,88*	*59,41*	*61,58*	*60,40*	57,24	56,75	58,41	*54,05*
Other providers	*1,82*	*2,12*	*2,96*	*3,22*	*3,41*	4,95	4,76	4,47	*5,13*
Revenue from MMS	**0,18**	**0,18**	**0,18**	**0,20**	**0,22**	**0,23**	**0,24**	**0,24**	**0,25**
UAB „Bitė Lietuva“	*39,42*	*38,13*	*36,29*	*36,25*	*35,49*	32,69	35,88	40,35	*40,84*
„Telia Lietuva“, AB	*14,17*	*15,42*	*15,18*	*13,82*	*13,80*	12,99	13,46	12,99	*12,22*
UAB „Tele2“	*45,69*	*45,77*	*47,86*	*49,34*	*50,13*	50,48	50,09	46,00	*46,29*
Other providers	*0,73*	*0,67*	*0,67*	*0,59*	*0,58*	3,85	0,56	0,66	*0,66*

Table 25. Number of registered during the 2017 IVQ mobile radio base stations, in units, total number of mobile radio base stations at the end of the 2017 IVQ and its changes, %

Base stations	Number of registered stations per quarter	Total number	Quarterly change	Annual change
GSM/DSC	-653*	3812	-14,6	-13,2
UMTS	104	4321	2,5	8,1
LTE	149	4821	3,2	28,9
Total		**12954**		

* - unregistered stations

4.2. Retail fixed telephony communications services

- Retail fixed telephony communication services covered by this section of the report include voice calls over PSTN (Public Switched Telephone Network), ISDN (Integrated Services Digital Network) and IP (Voice Over IP, VoIP) technologies. Also separately are discussed prepaid cards and payphone services.
- The terms and abbreviations used in this section of the report:
    - STP/UTP lines –Shielded Twisted Pair (STP) and Unshielded Twisted Pair (UTP).
    - ARPU (Average Revenue per User) – average revenue from one fixed telephony communication user per month.
    - Quarterly change – change, comparing 2017 IVQ with 2017 IIIQ.
    - Annual change – change comparing 2017 IVQ with 2016 IVQ.
    - Revenue (unless otherwise stated) include the total revenue earned from the public fixed telephone services.

Table 26. Number of service providers, in units, and their changes, in units, 2017 III

Service	Service providers	Quarterly change	Annual change
Total number of service providers	34	0	-8
Including: by using IP protocol	*30*	*0*	*-3*

Table 27. Number of service users and lines used, in thousand units, and their changes, %, penetration of the lines used and their changes, in percentage points, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Number of lines	**553,4**	**547,4**	**541,4**	**531,7**	**521,9**	**509,8**	**495,8**	**485,9**	**474,3**	**-2,4**	**-9,1**
Penetration of lines (per 100 population)	*19,2*	*19,0*	*18,9*	*18,6*	*18,3*	*18,0*	*17,6*	*17,3*	*16,9*	-2,2	-7,8
Penetration of lines (per 100 households)	*43,3*	*42,6*	*42,3*	*41,6*	*41,0*	*40,3*	*39,4*	*38,7*	*37,8*	-2,2	-7,8
Number of service users	**560,8**	**555,2**	**549,7**	**540,6**	**529,9**	**517,6**	**503,2**	**494,2**	**485,9**	**-1,7**	**-8,3**
-natural persons	*396,8*	*393,3*	*388,5*	*383,6*	374,7	363,9	351,4	340,9	333,7	-2,1	-10,9
-legal person	*164,0*	*161,9*	*161,2*	*157,0*	155,2	153,8	151,8	153,2	152,2	-0,6	-1,9

Table 28. Users of services and lines used, in thousand units, the structure by service providers, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 IQ	2017 II	2017 III	2017 IV
Number of lines	**553,4**	**547,4**	**541,4**	**531,7**	**521,9**	**509,8**	**495,8**	**485,9**	**474,3**
„Telia Lietuva", AB	90,2	89,7	89,4	89,4	89,1	88,9	88,8	87,9	87,5
Other providers	9,8	10,3	10,6	10,6	10,9	11,1	11,2	12,1	12,5
Number of service users	**560,8**	**555,2**	**549,7**	**540,6**	**529,9**	**517,6**	**503,2**	**494,2**	**485,9**
„Telia Lietuva", AB	89,0	88,5	88,0	88,0	87,7	87,5	87,5	86,4	85,4
UAB „CSC Telecom"	3,4	3,7	3,7	3,8	4,0	4,2	3,8	3,9	4,0
UAB „Baltnetos komunikacijos"	2,2	2,2	2,4	2,1	2,2	2,2	2,3	3,0	3,1
UAB „Nacionalinis telekomunikacijų tinklas"	3,0	3,0	3,2	3,3	3,4	3,6	3,7	3,9	3,9
Other providers	2,4	2,6	2,6	2,8	2,7	2,5	2,6	2,8	3,5

Table 29. Number portability between public fixed networks, in units, 2017 IVQ

Service providers	Transferred to network	Transferred from network	Difference
UAB „Mediafon Carrier Services"	739	100	639
UAB „CSC Telecom"	710	77	633
UAB „Nacionalinis telekomunikacijų tinklas"	528	66	462
UAB „EcoFon"	49	3	46
UAB „Tele2"	13	11	2
Voxbone SA	0	1	-1
AB Lietuvos radijo ir televizijos centras	4	13	-9
„Telia Lietuva", AB	198	1970	-1772
All providers	**2 241**		

Table 30. The number of fixed telephone communication lines of individual service providers, in thousand units, structure of lines by technology, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 IQ	2017 II	2017 III	2017 IV
„Telia Lietuva“, AB	**499,3**	**491,3**	**483,9**	**475,5**	**464,8**	**453,2**	**440,5**	**427,2**	**414,9**
Twisted metallic pair lines	79,9	79,3	78,8	78,4	77,9	79,8	79,1	78,5	77,6
Fibre communication lines	0,0	0,0	0,0	0,0	0,0	10,5	11,2	11,7	12,5
Wireless communication lines	4,3	4,3	4,3	4,2	4,2	4,3	4,3	4,4	4,5
Coaxial cable lines	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
STP/UTP lines	10,2	10,8	11,4	12,0	12,4	0,0	0,0	0,0	0,0
ISDN channels	5,6	5,5	5,5	5,4	5,4	5,4	5,4	5,5	5,4
Other providers	**54,0**	**56,1**	**57,6**	**56,2**	**57,1**	**56,6**	**55,3**	**58,6**	**59,4**
Twisted metallic pair lines	25,5	24,6	24,0	24,8	25,2	25,3	26,3	24,6	24,5
Fibre communication lines	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Wireless communication lines	0,0	0,1	0,1	0,1	0,1	2,6	37,4	2,7	3,1
Coaxial cable lines	9,6	9,4	9,3	9,6	9,5	9,6	9,9	9,7	9,3
STP/UTP lines	47,7	46,5	47,6	45,7	45,5	41,9	43,0	46,4	46,7
ISDN channels	17,2	19,5	19,0	19,7	19,6	20,5	17,6	16,6	16,4
All providers	**553,4**	**547,4**	**541,4**	**531,7**	**521,9**	**509,8**	**495,8**	**485,9**	**474,3**
Twisted metallic pair lines	74,6	73,7	73,0	72,7	72,2	73,7	73,2	72,0	70,9
Fibre communication lines	0,0	0,0	0,0	0,0	0,0	9,4	9,9	10,3	10,9
Wireless communication lines	3,9	3,9	3,9	3,8	3,8	4,1	4,2	4,2	4,3
Coaxial cable lines	0,9	1,0	1,0	1,0	1,0	1,1	1,1	1,2	1,2
STP/UTP lines	13,9	14,5	15,3	15,6	16,0	4,7	4,8	5,6	5,9
ISDN channels	6,7	7,0	6,9	6,9	7,0	7,1	6,8	6,8	6,8

Table 31. Duration of calls initiated in public fixed telephone networks by service providers, mill. min. and their changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 IQ	2017 II	2017 III	2017 IV	Quarterly change	Annual change
„Telia Lietuva“, AB	196,0	201,3	178,5	161,9	173,4	173,3	156,6	142,1	147,9	4,1	-14,7
Other providers	*17,7*	*19,9*	*21,0*	*20,2*	*22,6*	*21,4*	*19,5*	*19,1*	*19,9*	4,2	-12,1
All providers	**213,7**	**221,2**	**199,4**	**182,1**	**196,0**	**194,7**	**176,1**	**161,2**	**167,7**	**4,1**	**-14,4**

Table 32. Duration of initiated calls, mill. min., the structure of service providers (except for Telia Lietuva, AB) according to the duration of the initiated calls, %, and changes of market shares, in percentage points, 2017 IVQ

	Total duration of calls, mill. min.	Market share	Quarterly change	Annual change
International calls	**9,7**	**58,9**	**0,3**	**1,9**
- *UAB „Baltnetos komunikacijos“*		19,2	**0,3**	**-2,4**
- *UAB „TCG Telecom“*		15,2	**0,1**	**-1,3**
- *UAB „CSC Telecom“*		14,4	**-0,3**	**5,1**
-UAB "Peoplefone"		3,1	**-0,3**	**1,1**
-UAB „Nacionalinis telekomunikacijų tinklas“		2,4	**0,2**	**0,0**
- *Other providers*		4,6	**0,3**	**-0,6**
Calls in own network (national calls)	**107,5**	**8,1**	**0,3**	**-15,2**
-UAB „Nacionalinis telekomunikacijų tinklas“		3,7	**0,2**	**-6,3**
- *Other providers*		4,3	**0,3**	**-9,0**
Calls to mobile networks	**47,6**	**11,4**	**0,1**	**0,1**
- *UAB „CSC Telecom“*		3,6	**-0,6**	**-0,2**
-UAB „Nacionalinis telekomunikacijų tinklas“		4,5	**0,0**	**0,7**
- *Other providers*		3,3	**0,7**	**-0,4**
All calls	**167,7**	**11,9**	**0,1**	**0,4**
-UAB „Nacionalinis telekomunikacijų tinklas“		**3,8**	**0,2**	**0,7**
- *UAB „CSC Telecom“*		**2,5**	**-0,1**	**-0,4**
- *Other providers*		**5,6**	**0,0**	**0,1**

Table 33. Duration of the calls initiated by using the IP protocol according to the directions of calls, milo. min., ant their chantes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Calls in own network	0,7	0,8	1,0	1,1	1,2	1,3	1,3	1,3	1,5	14,7	27,4
International calls	1,6	1,5	2,4	2,5	3,6	4,3	2,9	4,7	4,5	-2,3	25,8
Calls to mobile networks	2,2	2,4	2,3	2,5	2,6	2,8	3,1	3,7	3,8	2,7	45,6

Calls to other fixed networks	5,1	5,4	5,2	4,8	5,3	5,4	4,7	4,7	5,4	14,6	0,8
Calls to short and service numbers	0,0	0,0	0,0	0,0	0,0	0,1	0,1	0,05	0,1	9,4	-
Total duration of calls	**9,5**	**10,2**	**10,9**	**10,9**	**12,7**	**13,8**	**12,0**	**14,4**	**15,3**	**6,0**	**19,9**

Table 34. The average duration of calls initiated per service user per month by service providers, min, and its change, min., 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 IQ	2017 II	2017 III	2017 IV	Quarterly change	Annual change
„Telia Lietuva", AB	130,8	136,6	122,9	113,5	124,4	127,5	118,5	110,9	118,8	7,9	-5,6
• *Consumers*	135,1	142,8	125,4	116,2	127,6	130,1	120,8	113,3	122,3	9,0	-5,2
• *Oter service users*	117,2	117,0	115,2	104,9	114,2	119,2	111,6	103,7	108,4	4,7	-5,9
Other providers	96,0	103,6	106,1	103,5	115,7	110,4	103,6	94,8	93,2	-1,6	-22,5
• *Consumers*	70,8	76,5	78,7	77,5	86,5	84,7	90,9	84,8	80,5	-4,4	-6,0
• *Oter service users*	106,0	116,1	118,7	116,5	129,9	122,3	109,1	99,3	99,4	0,1	-30,5
All providers	127,0	132,8	120,9	112,3	123,3	125,4	116,6	108,7	115,1	6,4	-8,2
• *Consumers*	132,3	139,4	122,9	114,0	125,2	127,6	119,1	111,6	119,4	7,8	-5,8
• *Oter service users*	114,2	116,7	116,2	108,1	118,7	120,1	110,9	102,3	105,5	3,2	-13,1

Table 35. The structure of revenue by service providers, mill. Eur, and their changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Revenue	**11,59**	**11,35**	**11,13**	**10,86**	**10,80**	**10,54**	**10,16**	**9,80**	**9,41**	**-4,0**	**-12,9**
including VoIP	0,41	0,41	0,43	0,46	0,55	0,64	0,60	0,75	0,71	-5,8	27,9

Table 36. The structure of revenue by service providers, %, and their changes, inpercentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
„Telia Lietuva", AB	91,27	0,08	-0,37
Other providers	8,73	-0,08	0,37

Table 37. The structure of revenue, received from different directions of calls, by service providers, %, 2017 IVQ

Directions of calls	Total revenue, mill. Eur.	„Telia Lietuva", AB	UAB „CSC Telecom"	UAB „Baltnetos komunikacijos"	UAB „TCG Telecom"	Other
Calls in own network (national calls)	2,63	99,98	-	-	-	0,02
To short and service numbers	0,29	95,64	2,96	-	-	1,39
To other fixed networks	0,24	72,72	2,90	16,97	2,53	4,88
To other mobile networks	0,98	88,28	3,55	4,38	-	3,80
International	0,84	58,41	8,24	18,08	7,54	7,74
Total revenue from calls	**4,98**	**91,28**	**-**	**2,51**	**-**	**6,21**

Table 38. ARPU by service providers, Eur, and their changes, Eur, 2015 IVQ. – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
„Telia Lietuva", AB	7,27	7,18	7,13	7,04	7,09	7,08	7,04	6,96	6,89	-1,1	-2,9
Other providers	*3,57*	*3,82*	*3,69*	*3,85*	*4,39*	*4,61*	*4,49*	*4,28*	*3,84*	-10,3	-12,5
All providers	**6,86**	**6,79**	**6,71**	**6,66**	**6,76**	**6,77**	**6,72**	**6,60**	**6,44**	**-2,4**	**-4,7**

Table 39. Average service revenue by service providers, Eur ct per 1 min., and their changes, Eur ct per 1 min., 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
National call											
„Telia Lietuva", AB	2,45	2,29	2,55	2,71	2,46	2,64	2,88	3,10	3,03	5,2	11,7
Other providers	1,33	1,38	1,31	1,39	1,33	0,84	0,95	1,09	0,91	-4,0	-34,5
All providers	**2,38**	**2,23**	**2,46**	**2,61**	**2,37**	**2,51**	**2,74**	**2,95**	**2,86**	**4,5**	**9,6**

International call											
„Telia Lietuva“, AB	11,38	12,27	12,16	12,97	12,12	11,37	11,26	11,77	11,32	0,5	-12,7
Other providers	8,10	6,07	5,26	5,71	6,15	11,71	10,59	28,42	25,83	143,8	352,2
All providers	**10,35**	**9,35**	**8,64**	**9,04**	**8,72**	**11,51**	**10,99**	**15,68**	**14,77**	**34,4**	**63,3**

Table 40. Information on public fixed telephony services provided by prepaid cards, 2015 IVQ – 2017 IVQ

	2015 IV	**2016 I**	**2016 II**	**2016 III**	**2016 IV**	**2017 I**	**2017 II**	**2017 III**	**2017 IV**
Duration of call by using prepaid cards, in thousand min.	527,1	522,3	664,0	695,6	690,8	241,4	229,3	228,1	201,8
duration of calls by payphone,, in thousand. min.	230,4	214,1	260,2	235,4	222,0	190,5	184,3	183,1	166,5
Revenue from prepaid cards, thousand Eur	37,57	33,89	59,49	64,01	58,31	15,56	20,94	16,66	16,07
payphone cards	16,00	14,00	21,00	26,00	13,34	10,66	15,96	13,65	13,79
Number of payphones, units	1 129	1 115	1 047	1 028	983	980	980	959	952
in cities	948	933	867	853	810	807	807	791	790
in other areas	181	182	180	175	173	173	173	168	162
During the month by payphone was spoken, min	17,0	16,0	20,7	19,1	18,8	16,2	16,2	15,9	14,6

4.3. Wholesale public communications networks provision and public telephone services

- Wholesale provision of public communications networks and public telephone services covered by this section of the report include wholesale call initiation on the own network, call termination in public mobile and fixed communication networks, forwarding of calls (transit) services (forwarding of calls via the third public electronic communications network and/or services provider's network). In this report wholesale public communications networks provision and public telephone services also include services of foreign countries' public mobile telephone service providers, when their subscribers visit the Republic of Lithuania and use roaming services.
- The terms and abbreviations used in this section of the report:
  - Quarterly change – change, comparing 2017 IVQ with 2017 IIIQ.
  - Annual change – change comparing 2017 IVQ with 2016 IVQ.
- Revenue (unless otherwise stated) in the section 4.3.1 include total revenue from wholesale provision of public communications networks and public telephone services, in the section 4.3.2 - total revenue from call transit services.

Table 41. The structure of revenue by groups of services, mill. Eur, and their changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annua chang
Call termination in mobile networks	10,53	12,57	14,74	11,44	11,04	10,69	11,00	11,25	11,29	0,37	2,27
Call termination in fixed networks	0,80	0,88	0,82	0,67	0,70	0,59	0,67	0,61	0,61	-0,54	-13,51
Transit services	16,66	15,84	16,43	18,10	19,92	17,87	22,56	14,67	18,78	28,01	-5,72
Roaming in	0,98	1,09	1,59	2,26	1,31	2,15	2,57	2,76	1,67	-39,45	27,28
Other revenue	3,70	4,99	0,99	2,91	3,26	2,91	2,92	3,51	3,70	5,34	13,67
Total revenue	**32,67**	**35,36**	**34,58**	**35,39**	**36,23**	**34,22**	**39,71**	**32,81**	**36,05**	**9,89**	**-0,50**

4.3.1. Call termination services

Call termination in in public mobile networks

Table 42. Number of service providers, in units, and their changes, in units, 2017 IVQ

	Number	Quarterly change	Annual change
Service providers	5	0	0

Table 43. The duration of terminated calls according to the origin of call initiation, mill. min., and its changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
From public fixed communication networks	55,9	58,3	59,0	55,7	60,8	53,4	54,4	55,2	55,0	-0,5	-9,5
From public mobile communication networks	785,9	798,6	825,6	816,8	827,3	828,8	851,4	842,1	848,3	0,7	2,5
From foreign countries	82,9	82,0	94,9	96,7	98,1	89,0	100,9	122,8	127,2	3,6	29,7
Total duration	**924,8**	**938,8**	**979,5**	**969,3**	**986,2**	**971,2**	**1006,7**	**1020,2**	**1030,5**	**1,0**	**4,5**

Table 44. The duration of terminated calls by service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
UAB „Tele2“	41,6	0,1	0,9
„Telia Lietuva“, AB	31,8	-0,2	0,2
UAB „Bitė Lietuva“	26,3	-0,3	-0,4
Other service providers	0,3	0,1	-0,6

Table 45. The structure of revenue by service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
UAB „Tele2“	39,34	-0,71	1,44
„Telia Lietuva“, AB	32,91	0,43	-2,68
UAB „Bitė Lietuva“	26,37	-0,63	0,34
Other service providers	1,38	0,91	0,90

Call termination in in public fixed networks

Table 46. Number of service providers, in units, and their changes, in units, 2017 IVQ

	Number	Quarterly change	Annual change
Service providers	7	0	-1

Table 47. The duration of terminated calls according to the origin of call initiation, mill. min., and its changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
From public fixed communication networks	16,5	21,2	21,3	19,6	22,2	22,4	19,7	16,6	17,5	5,0	-21,3
From public mobile communication networks	68,3	75,0	75,0	72,3	76,5	59,7	59,3	59,6	83,0	39,3	8,5
From foreign countries	16,6	13,3	11,5	9,8	9,8	8,9	9,2	8,6	9,1	6,1	-7,1
Total duration	**101,4**	**109,5**	**107,8**	**101,7**	**108,5**	**91,0**	**88,2**	**84,8**	**109,6**	**29,2**	**1,0**

Table 48. The duration of terminated calls by service providers, mill. min., and changes, %, 2017 IVQ

Service providers	Duration of calls	Quarterly change	Annual change
„Telia Lietuva“, AB	87,8	36,7	10,8
Other providers	21,9	6,3	-2,4
Total duration	**109,7**	**29,3**	**7,9**

Table 49. The structure of revenue by service providers, mill. Eur, and changes, %, 2015 IVQ - 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
„Telia Lietuva“, AB	0,68	0,59	0,53	0,54	0,55	0,51	0,49	0,54	0,54	0,7	-1,9
Other providers	*0,12*	*0,29*	*0,28*	*0,14*	*0,15*	*0,09*	*0,18*	*0,07*	*0,06*	-10,4	-57,7
All providers	**0,80**	**0,88**	**0,81**	**0,67**	**0,70**	**0,59**	**0,67**	**0,61**	**0,61**	**-0,5**	**-13,5**

4.3.2. Transit services

Table 50. Number of service providers, in units, and their changes, in units, 2017 IVQ

	Number	Quarterly change	Annual change
Service providers	11	0	0

Table 51. The duration of forwarded calls by call directions, mill. min., and its changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
From Lithuania to Lithuania	75,3	79,6	91,2	86,4	101,3	2,2	2,3	2,3	2,4	6,5	-
From Lithuania to abroad	x	x	x	x	x	45,7	36,0	44,7	42,1	-5,8	-
From abroad to Lithuania	x	x	x	x	x	129,4	122,7	129,2	137,7	6,6	-
From abroad to abroad	370,6	335,5	323,3	318,2	303,6	251,9	259,9	240,9	255,4	6,0	-
Total duration	**445,9**	**415,0**	**414,5**	**404,6**	**404,9**	**429,2**	**420,9**	**417,0**	**437,6**	**4,9**	**8,1**

Table 52. The structure of forwarded calls by call directions and by service providers, %, 2017 IVQ

	„Telia Lietuva“, AB	UAB „Bitė Lietuva“	UAB „EcoFon“	UAB „Mediafon Carrier Services“	„Voxbone SA“	UAB „Raystorm“	UAB „Nacionalinis telekomunikacijų tinklas“	Other
From Lithuania to Lithuania	19,3	12,2	9,5	27,3	31,1	-	-	0,6
From Lithuania to abroad	13,7	21,2	-	-	-	63,4		1,7
From abroad to Lithuania	33,6	13,5	5,0	18,3	-	-	29,4	0,3
From abroad to abroad	29,2	6,8	2,4	60,3	-	-	-	1,2
Total duration	**29,0**	**10,3**	**3,0**	**41,3**	**-**	**6,1**	**9,3**	**1,0**

Table 53. Revenue, mill. Eur, and its changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Revenue	16,66	15,84	16,43	18,10	19,92	17,87	22,56	14,67	18,78	28,0	-5,7

Table 54. The structure of revenue by service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
„Telia Lietuva“, AB	51,52	1,97	12,13
UAB „Mediafon Carrier Services“	29,90	-1,43	-18,52
UAB „EcoFon“	10,77	2,98	5,93
UAB „Bitė Lietuva“	5,85	-2,78	2,52
Other providers	1,96	-0,75	-2,06

5. DATA TRANSMISSION SERVICES

5.1. Internet access services

- Internet access services covered by this section of the report include retail and wholesale Internet access services.
- The terms and abbreviations used in this section of the report:
  - Quarterly change – change, comparing 2017 IVQ with 2017 IIIQ.
  - Annual change – change comparing 2017 IVQ with 2016 IVQ.

Table 55. Number of service providers, in units, and their changes, in units, 2017 IVQ

	Number	Quarterly change	Annual change
Service providers	88	-1	-15

Table 56. Revenue, mill. Eur, and its changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Retail revenue	42,77	44,25	46,09	49,09	50,86	50,87	52,98	55,11	56,77	3,0	11,6
Including: by using fixed communication technologies	24,47	24,68	24,86	24,86	25,20	24,30	23,85	23,46	23,50	0,2	-6,7
By using mobile communication technologies	18,30	19,57	21,23	24,23	25,66	26,56	29,13	31,65	33,27	5,1	29,6
Including: retail roaming Internet access revenue	-	-	-	-	-	*2,61*	*2,84*	2,40	*2,50*	4,4	-
Wholesale revenue	2,47	1,38	1,34	2,15	1,91	1,36	1,78	1,34	1,28	-4,3	-33,0
Including: wholesale roaming Internet access revenue	-	-	-	-	-	*0,10*	*0,20*	*0,37*	*0,37*	0,0	-
Total revenue	**45,24**	**45,64**	**47,43**	**51,23**	**52,77**	**52,22**	**54,76**	**56,45**	**58,04**	**2,8**	**10,0**

Table 57. The structure of revenue from wholesale Internet access services by service providers, %., and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
UAB „Satgate“	43,39	12,82	-16,21
„Telia Lietuva“, AB	23,90	-0,35	-1,10
UAB „Bitė Lietuva“	17,13	-	-
UAB „Ektra“	5,03	0,22	1,63
LATTELEKOM SIA filialas	4,84	0,68	2,74
UAB „Nacionalinis telekomunikacijų tinklas“	4,01	-3,51	-1,19
Other providers	1,70	0,05	-3,00

Table 58. The speed rate of direct international Internet communication channels (Mbps) by service providers, Mb/s, and its changes, %, 2017 IVQ

Service providers	Speed	Quarterly change	Annual change
„Telia Lietuva“, AB	306 500	0,0	7,0
UAB „Bitė Lietuva“	102 400	0,0	66,7
UAB „Nacionalinis telekomunikacijų tinklas“	51 200	0,0	0,0
UAB „Penkių kontinentų komunikacijų centras“	50 000	117,4	150,0
SIA „Lattelecom“ filialas	40 627	18,6	41,4
AB Lietuvos radijo ir televizijos centras	33 000	17,9	-
UAB „Linx telecommunications“	10 240	-	-
KTU Informacinių technologijų plėtros institutas	5 120	0,0	0,0
Other	3 510	0,0	-39,6
Total	**602 597**	**8,8**	**31,3**

5.1.1. Retail Internet access services

- Retail Internet access services covered by this section of the report include:
- fibre communication lines FTTx (FTTB, FTTH);
- through metallic twisted pair lines by using xDSL technology (xDSL);
- wireless communication lines;
- coaxial cable communication lines (CaTV networks);
- UTP and STP lines (excluding FTTB);
- provided via mobile communication network by using fixed payment plans, intended for paying for Internet access services by using a computer, M2M cards are not included;
- by other lines.
- The terms and abbreviations used in this section of the report:
  - ARPU (Average Revenue per User) – the average revenue from one user of Internet access services per month.
  - Quarterly change – change, comparing 2017 IVQ with 2017 IIIQ.
  - Annual change – change comparing 2017 IVQ with 2016 IVQ.

Table 59. Number of service providers, in units, and their changes, in units, 2017 IVQ

	Number	Quarterly change	Annual change
Service providers	87	-1	-13

Table 60. The number of service users according to the technologies, in thousand units, and their changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
FTTx	517,1	524,4	530,8	536,9	545,3	551,3	553,1	557,9	565,6	1,4	3,7
FTTB[1]	*297,7*	*299,2*	*299,7*	*300,4*	*303,2*	*303,3*	300,7	299,8	*301,8*	0,7	-0,4
FTTH[2]	*219,4*	*225,2*	*231,1*	*236,6*	*242,2*	*248,1*	252,4	258,2	*263,8*	2,2	8,9
via mobile network	353,9	369,9	383,5	395,5	417,1	291,0	319,2	348,0	371,7	6,8	-10,9
xDSL	165,2	163,8	162,1	160,2	157,3	153,2	149,5	146,1	143,2	-2,0	-9,0
wireless communication	108,8	112,4	112,2	114,1	114,6	72,3	63,3	59,4	57,2	-3,7	-50,1
WIMAX	*54,2*	*51,4*	*46,5*	*38,7*	*30,1*	*20,7*	13,1	7,6	*3,9*	-48,8	-87,1
Wi Fi	*48,9*	*50,6*	*50,2*	*51,3*	*51,0*	*49,5*	48,2	49,8	*51,3*	3,1	0,7
Other wireless	*5,7*	*10,4*	*15,5*	*24,1*	*33,6*	*2,2*	2,1	2,1	*2,0*	-2,3	-94,0
CaTV network	32,0	31,6	30,4	30,5	29,9	26,8	26,0	25,3	25,0	-1,5	-16,5
UTP and STP lines	9,8	9,8	9,6	9,8	10,2	8,5	8,6	8,2	7,4	-9,6	-27,1
Other lines	0,4	0,4	0,4	0,5	0,5	0,5	0,5	0,5	0,5	-2,5	0,0
Total	**1187,1**	**1212,3**	**1229,0**	**1247,4**	**1274,8**	**1103,6**	**1120,2**	**1145,4**	**1170,4**	**2,2**	**-8,2**

Table 61. The service penetration, %, and its changes, in percentage points, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Per 100 population:											
Internet access::	41,1	42,1	42,8	43,6	44,7	39,0	39,7	40,7	41,7	2,4	-6,9
via mobile network	12,2	12,9	13,4	13,8	14,6	10,3	11,3	12,4	13,2	7,0	-9,6
via fixed network	28,8	29,3	29,5	29,8	30,1	28,7	28,4	28,3	28,4	0,3	-5,6
Per 100 households:											
Internet access, by using fixed communication technologies	64,5	64,8	66,0	66,7	67,4	64,3	63,6	63,5	63,7	0,3	-5,6

Table 62. The number of service users by service providers, %., and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
„Telia Lietuva“, AB	45,1	-0,4	-1,7
UAB „Cgates“	9,9	-0,1	3,7

[1] Fiber to the Building, FTTB
[2] Fiber to the Home, FTTH

UAB „Bitė Lietuva“	8,4	0,0	-5,3
AB Lietuvos radijo ir televizijos centras	8,0	0,0	1,1
UAB „Tele2“	7,5	0,9	3,7
UAB „Init“	4,1	-0,1	0,2
„Splius“, UAB	3,4	0,0	0,4
UAB „Balticum TV“	3,2	-0,1	0,2
UAB „Penkių kontinentų komunikacijų centras“	2,5	-0,1	0,1
Other providers	8,0	-0,2	-2,3

Table 63. The structure of revenue, according to technologies, mill. Eur, and their changes, %, 2015 IIIQ – 2017 IIIQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
FTTx	15,43	15,71	16,07	16,19	16,44	16,62	16,51	16,35	16,54	1,2	0,6
FTTB	*6,92*	*6,95*	*7,01*	*6,94*	*6,92*	*6,96*	6,72	*6,72*	*6,74*	0,2	-2,7
FTTH	*8,50*	*8,76*	*9,06*	*9,25*	*9,52*	*9,66*	9,79	*9,63*	*9,81*	1,8	3,0
Via mobile network	5,67	5,92	6,15	6,57	7,12	7,56	8,01	8,64	9,00	4,2	26,5
xDSL	4,85	4,75	4,68	4,61	4,51	4,37	4,26	4,15	4,12	-0,6	-8,7
Wireless communication	3,16	3,15	3,10	3,21	3,22	2,31	2,09	1,94	1,81	-6,5	-43,8
WIMAX	*1,10*	*1,01*	*0,89*	*0,74*	*0,56*	*0,40*	0,26	*0,15*	*0,07*	-55,0	-88,1
Wi Fi	*1,75*	*1,82*	*1,78*	*1,83*	*1,83*	*1,82*	1,76	*1,72*	*1,68*	-2,5	-8,0
Other wireless	*0,30*	*0,32*	*0,44*	*0,64*	*0,83*	*0,09*	0,07	*0,06*	*0,06*	-2,1	-92,5
CaTV network	0,54	0,60	0,53	0,52	0,51	0,44	0,42	0,46	0,44	-3,3	-12,5
UTP ir STP lines	0,19	0,18	0,18	0,18	0,19	0,24	0,21	0,21	0,20	-5,8	2,0
Other lines	0,31	0,29	0,29	0,15	0,33	0,31	0,35	0,36	0,39	8,0	17,7
Total	**30,14**	**30,60**	**31,01**	**31,43**	**32,32**	**31,86**	**31,86**	**32,10**	**32,50**	**1,3**	**0,6**

Table 64. The structure of revenue by service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	**Market share**	**Quarterly change**	**Annual change**
„Telia Lietuva“, AB	51,95	-1,00	-1,20
UAB „Bitė Lietuva“	10,28	0,46	0,84
AB Lietuvos radijo ir televizijos centras	7,33	0,00	0,54
UAB „Tele2“	6,12	0,51	1,76
UAB „Cgates“	5,71	-0,07	1,10
UAB „Balticum TV“	2,68	-0,09	-0,09
UAB „Init“	2,63	-0,12	-1,09
UAB „Baltnetos komunikacijos“	2,47	0,00	0,06
„Splius“, UAB	2,39	-0,03	0,09
UAB „Penkių kontinentų komunikacijų centras“	2,01	0,02	-0,34
Other providers	6,44	0,08	-1,68

Table 65. ARPU according to the manner of access, Eur per month, and their changes, Eur per month, 2017 IVQ

Manner of access	ARPU	**Quarterly change**	**Annual change**
FTTx	9,75	-0,2	-3,0
Via mobile network	8,08	-2,4	41,9
xDSL	9,60	1,5	0,4
Wireless communications	10,54	-2,9	12,6
CaTV network	5,90	-1,9	4,7
UTP and STP lines	8,80	4,2	40,1
Other lines	280,49	10,8	17,7
In all ways	**9,26**	**-0,9**	**9,6**

Table 66. The number of public Wi-Fi zones and the number of registered WiMAX central stations, unis, and their changes, in units, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Public Wi Fi zones	4 246	4 163	4 081	2 764	2 933	2 697	2 697	2 617	2 540	-2,9	-13,4
WiMAX central stations	710	710	710	710	710	578	578	578	578	0,0	-18,6

5.1.2. Internet access using mobile communication technologies

- Internet access using mobile communications technologies covered by this section of the report include: services provided by UMTS (Universal Mobile Telecommunications System), UMTS HSDPA (High Speed Downlink Packet Access), UMTS HSUPA (High Speed Uplink Packet Access), LTE (Long Term Evolution) and faster technologies.
- In the section 4.1.1.1. of this report is discussed about the active SIM cards used to provide retail Internet access services.

*Nuo 2017 m I ketvirčio įskaičiuoti AB Lietuvos radijo ir televizijos centro LTE tinklu persiųsti duomenys.

Table 67. Number of service providers, in units, and their changes, in units, 2017 IVQ

	Number	Quarterly change	Annual change
Service providers	8	0	2

Table 68. Number of active SIM cards by service groups, mill. , and their changes, %, 2017 IVQ

	SIM cards	Quarterly change	Annual change
Total number of SIM cards used for provision Internet access services	2444,3	2,7	1,5
- including: using LTE and faster data transfer technologies	*1765,2*	10,3	49,1
1. SIM cards, used for provision Internet access services, when is paid for the amount sent/received data	230,9	-7,9	-
- including: using LTE and faster data transfer technologies	100,3	-3,7	-
2. SIM cards, used for provision Internet access services, when is used non-telephony, but Internet access payment plan *****	371,7	6,8	-10,9
- including: using LTE and faster data trasfer technologies	*199,0*	7,7	-
3. SIM cards, used for provision Internet access services, when data services are purchased separately from voice services as an add-on data package to voice service or are used bundled offers services.	1704,6	-	-
- including: using LTE and faster data transfer technologies	*479,1*	-	-

***** This number of SIM cards is included in the calculation of the total penetration of broadband Internet.

Table 69. The number of active SIM cards by service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
UAB „Tele2“	35,8	1,0	-4,7
„Telia Lietuva“, AB	31,2	-0,5	1,8
UAB „Bitė Lietuva“	28,4	-0,8	0,1
AB Lietuvos radijo ir televizijos centras	2,6	0,2	2,6
Other service providers	1,9	0,0	0,2

Table 70. The number of active SIM cards, when is used non-telephony, but Internet access payment plan, by service providers, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
„Telia Lietuva“, AB	31,7	-1,6	-14,8
UAB „Bitė Lietuva“	26,3	-1,1	-15,3
UAB „Tele2“	23,5	2,0	12,0
AB Lietuvos radijo ir televizijos centras	17,4	0,7	17,4
Service providers	1,1	-0,1	0,7

Table 71. Revenue, mill. Eur, and their changes, %, 2015 IVQ – 2017 IVQ

		2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annu char
Revenue		**18,30**	**19,57**	**21,23**	**24,23**	**25,66**	**26,56**	**29,13**	**31,65**	**33,27**	**5,1**	**29,**
• *including: for Internet access services,* when is used non-telephony, but		5,67	5,92	6,15	6,57	7,12	7,56	8,01	8,64	9,00	4,2	26,

Internet access payment plan			

Table 72. Revenue according to the service providers, %, changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
UAB „Tele2“	33,58	-0,14	1,16
„Telia Lietuva“, AB	32,62	-0,48	-3,00
UAB „Bitė Lietuva“	28,65	0,50	-2,77
AB Lietuvos radijo ir televizijos centras	4,34	0,25	4,34
Other service providers	0,81	-0,14	0,26

Table 72a. Revenue according to the service providers, when is used non-telephony, but Internet access payment plan, %, changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
UAB „Bitė Lietuva“	34,36	0,55	-5,54
„Telia Lietuva“, AB	27,18	-2,88	-12,92
UAB „Tele2“	22,09	1,27	2,29
AB Lietuvos radijo ir televizijos centras	16,05	1,07	16,05
Other service providers	0,32	-0,02	0,12

Table 73. The total amount of data sent and received during the quarter by service providers, TB, and the amount of data sent and received by one user per month, MB, and their changes, %, 2017 IIIQ

Service provider	Total amount of data	Quarterly change	Using LTE and faster technologies	Quarterly change	Amount of data per user per month	Quarterly change
UAB „Tele2“	19 769	11,1	17 574	14,1	7891,3	5,2
AB Lietuvos radijo ir televizijos centras	17 463	21,1	17 463	21,1	94488,4	8,8
„Telia Lietuva“, AB	12 348	10,8	11 013	15,0	5654,5	9,6
UAB „Bitė Lietuva“	10 138	5,6	8 338	6,5	5100,4	5,6
Kiti teikėjai	211	3,9	119	8,5	1600,2	1,1
All providers	**59 929**	**12,7**	**54 507**	15,1	**8569,6**	9,8

5.1.3. Internet access, using fixed communication technologies

- Internet access using mobile communications technologies covered by this section of the report include: services provided by FTTx, xDSL technology, wireless, CaTV networks, UTP and STP lines, and other lines.

Table 74. Number of service providers, in units, and their changes, in units, 2017 IVQ

	Number	Quarterly change	Annual change
Service providers	83	-1	-13

Table 75. The structure of service providers by technologies, %, 2017 IVQ

	FTTx	Wireless communications	CaTV network	xDSL
„Telia Lietuva“, AB	46,7	-	-	99,3
UAB „Cgates“	19,9	3,7	4,4	-
„Splius“, UAB	6,2	3,0	12,9	-
UAB „Balticum TV“	5,8	7,0	3,3	-
UAB „Init	5,1	-	74,9	-
UAB „Penkių kontinentų komunikacijų centras“	5,3	-	-	-
UAB „Kauno interneto sistemos“	2,3	-	-	-
AB Lietuvos radijo ir televizijos centras	-	49,6	-	-
UAB „Baltnetos komunikacijos“	-	2,5	-	-
KLI LT, UAB	-	3,8	-	-
Other providers	8,8	30,5	4,4	0,7
Total number of providers	**54**	**57**	**10**	**6**

Table 76. The number of service users by technologies, in thousand units, and their changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
FTTx	517,1	524,4	530,8	536,9	545,3	551,3	553,1	557,9	565,6	1,4	3,7
xDSL	165,2	163,8	162,1	160,2	157,3	153,2	149,5	146,1	143,2	-2,0	-9,0
Wireless communications	108,8	112,4	112,2	114,1	114,6	72,3	63,3	59,4	57,2	-3,7	-50,1
CaTV network	32,0	31,6	30,4	30,5	29,9	26,8	26,0	25,3	25,0	-1,5	-16,5
UTP ir STP lines	9,8	9,8	9,6	9,8	10,2	8,5	8,6	8,2	7,4	-9,6	-27,1
Other lines	0,4	0,4	0,4	0,5	0,5	0,5	0,5	0,5	0,5	-2,5	0,0
Total	**833,3**	**842,3**	**845,6**	**851,9**	**857,8**	**812,6**	**801,0**	**797,4**	**798,8**	**0,2**	**-6,9**

Table 77. The structure of service users by service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
„Telia Lietuva“, AB	51,3	0,4	4,4
UAB „Cgates“	14,5	0,2	5,3
UAB „Init“	6,0	0,0	0,2
„Splius“, UAB	5,0	0,1	0,5
UAB „Balticum TV“	4,7	-0,1	0,2
UAB „Penkių kontinentų komunikacijų centras“	3,7	0,0	0,1
AB Lietuvos radijo ir televizijos centras	3,6	-0,6	-6,6
Other providers	11,2	0,0	-4,1

Table 78. The structure of service users by downstream speed, in units, 2017 IVQ

	FTTB	FTTH	xDSL	Wireless communications	CaTV network	UTP/STP	By other means	Total
More than 100 Mbps	233 446	106 940	0	10	11 012	99	40	**351 547**
From 30 Mbps to 100 Mbps	55 877	156 659	1	536	7 103	2 936	84	**223 196**
From 10 Mbps to 30 Mbps	8 623	122	63 383	23 444	3 363	2 209	98	**101 242**
From 2Mbps to 10 Mbps	3 372	50	79 736	30 644	1 858	1 910	169	**117 739**
Until 2 Mbps	495	3	36	2 561	1 635	245	70	**5 045**
Total	**301 813**	**263 774**	**143 156**	**57 195**	**24 971**	**7 399**	**461**	**798 769**

Table 79. The structure of service users by downstream speed, %, and changes of market shares, in percentage points, 2017 IVQ

Speed	Market share	Quarterly change	Annual change	Share of all households	Quarterly change	Annual change
Until 2 Mbps	0,6	-0,2	-0,8	0,4	-0,1	-0,6
From 2Mbps to 10 Mbps	14,7	-0,7	-5,1	9,4	-0,4	-4,0
From 10 Mbps to 30 Mbps	12,7	0,0	-3,2	8,1	0,0	-2,6
From 30 Mbps to 100 Mbps	27,9	-0,3	-8,1	17,8	-0,1	-6,5
More than 100 Mbps	44,0	1,1	17,1	28,0	0,8	9,9

Table 80. Revenue according to technologies, mill. Eur, and their changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
FTTx	15,43	15,71	16,07	16,19	16,44	16,62	16,51	16,35	16,54	1,2	0,6
xDSL	4,85	4,75	4,68	4,61	4,51	4,37	4,26	4,15	4,12	-0,6	-8,7
Wireless communications	3,16	3,15	3,10	3,21	3,22	2,31	2,09	1,94	1,81	-6,5	-43,8
CaTV network	0,54	0,60	0,53	0,52	0,51	0,44	0,42	0,46	0,44	-3,3	-12,5
UTP and STP lines	0,19	0,18	0,18	0,18	0,19	0,24	0,21	0,21	0,20	-5,8	2,0
Other lines	0,31	0,29	0,29	0,15	0,33	0,31	0,35	0,36	0,39	8,0	17,7
Total	**24,47**	**24,68**	**24,86**	**24,86**	**25,20**	**24,30**	**23,85**	**23,46**	**23,50**	**0,2**	**-6,7**

Table 81. Revenue according to service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
„Telia Lietuva“, AB	61,45	0,06	4,63
UAB „Cgates“	7,90	-0,01	1,99
AB Lietuvos radijo ir televizijos centras	3,99	-0,46	-4,72
UAB „Balticum TV“	3,71	-0,08	-1,06
UAB „Init“	3,64	-0,12	0,09

UAB „Baltnetos komunikacijos“	3,41	0,03	0,32
„Splius“, UAB	3,30	-0,01	0,36
UAB „Penkių kontinentų komunikacijų centras“	2,78	0,06	-0,23
Other providers	9,83	0,53	-1,37

Table 82. The number of service users of Internet access services, provided using fixed broadband technologies, per 100 population in European countries, in units, 2017 IIIQ

No.	European country	Penetration	Annual change	No.	European country	Penetration	Annual change	No.	European country	Penetration	Annual change
1.	Switzerland	45,6	0,9	13.	Slovenia	33,7	4,0	25.	Slovakia	25,4	1,2
2.	Denmark	43,6	0,1	14.	Greece	32,3	1,3	26.	Latvia	24,0	0,9
3.	France	43,5	1,0	15.	Estonia	30,9	1,3	27.	Romania	22,0	0,6
4.	Netherlands	42,3	0,4	16.	Finland	30,9	-0,3	28.	Russia	20,1	0,9
5.	Norway	41,2	1,5	17.	Spain	30,5	0,5	29.	Macedonia	19,2	0,8
6.	Germany	40,0	1,3	18.	Czech	30,2	1,2	30.	Poland	19,0	0,6
7.	UK	39,8	0,7	19.	Austria	29,3	0,3	31.	Moldova	17,1	0,9
8.	Sweden	39,1	2,4	20.	Ireland	28,5	0,5	32.	Serbia	16,1	1,7
9.	Belarus	38,6	3,2	21.	Lithuania	28,3	-1,5	33.	Montenegro	11,0	-0,4
10.	Belgium	38,1	1,4	22.	Italy	27,4	1,8	34.	Uktaina	9,3	-0,1
11.	Hungary	34,9	0,9	23.	Croatia	26,6	1,9				
12.	Portugal	34,6	2,2	24.	Bulgaria	25,8	2,2				

* Lithuanian data according to the information available to the RRT
Source: Point Topic Ltd., RRT

5.2. Other data transmission services

- Data transmission services (excluding Internet access services) covered by this section of the report include: services virtual private network (VPN), Frame Relay,. Ethernet, MPLS, etc., also active SIM cards, used for provision M2M (Machine to Machine, Man to Machine, Machine to Man) services (Hereinafter in this section of the report - data transmission services).
- The terms and abbreviations used in this section of the report:
  - Quarterly change – change, comparing 2017 IVQ with 2017 IIIQ.
  - Annual change – change comparing 2017 IVQ with 2016 IVQ.
  - Revenue (unless otherwise stated) include the total revenue earned from data transmission services.

Table 83. Number of service providers, in units, and their changes, in units, 2017 IVQ

	Number	Quarterly change	Annual change
Service providers	17	0	1

Table 84. Numbers of users, for whom retail data transmission services are provided, in thousands units, and their changes. %, 2015 IVQ - 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Number of service users	17,02	17,35	17,28	17,24	17,24	12,17	12,22	12,21	12,41	1,7	-28,0

***** until 2017 IQ retail and wholesale customers were not distinguished

Table 85. The number of wholesale central access provided at a fixed location for mass-market products, in units, 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Wholesale access provided	1611	1615	1574	1548	1725	1758	1862	1914	2138	11,7	23,9
xDSL technology						1351	1327	1207	1223	1,3	-
„Ethernet“ technology						417	535	707	915	29,4	-

Table 86. Revenue, mill. Eur, and their changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Retail revenue	4,14	3,91	3,78	3,75	3,82	3,97	4,44	4,34	3,46	-20,3	-9,5
Wholesale revenue	1,33	1,37	1,39	1,42	1,46	1,45	1,54	1,29	2,40	85,3	64,1
Total revenue	**5,47**	**5,28**	**5,17**	**5,17**	**5,28**	**5,42**	**5,98**	**5,64**	**5,86**	**3,9**	**10,9**

Table 87. Revenue by service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
„Telia Lietuva“, AB	68,45	0,57	-6,31
UAB „Bitė Lietuva“	10,31	0,02	4,35
Viešoji įstaiga „Plačiajuostis internetas“	9,06	-0,04	0,18
UAB Duomenų logistikos centras	5,43	-1,15	1,65
Other providers	6,75	0,60	0,12

Table 88. *The n*umber of active SIM cards used for provision M2M technology services, in thousands units, and revenue, received from provision M2M technology services, thousand Eur, and their structure by service providers, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV
SIM cards	**180 905**	**187 303**	**192 893**	**186 883**	**187 500**	**229 333**	**233 230**	**246 100**	**251 004**
UAB „Bitė Lietuva“	*34,8*	*34,6*	*34,5*	*36,4*	*37,0*	*30,9*	*31,3*	*30,3*	*28,4*
„Telia Lietuva“, AB	*42,7*	*42,5*	*42,0*	*45,0*	*46,6*	*55,4*	*55,2*	*54,8*	*56,2*
UAB „Tele2“	*22,3*	*22,8*	*23,4*	*18,5*	*16,3*	*13,7*	*13,5*	*14,9*	*15,4*
Other providers	*0,2*	*0,2*	*0,1*	*0,1*	*0,1*	*0,0*	*0,0*	*0,0*	*0,0*
Revenue	**642,66**	**632,64**	**639,19**	**646,90**	**670,43**	**678,52**	**751,63**	**715,24**	**750,11**
UAB „Bitė Lietuva“	*43,41*	*42,68*	*41,46*	*42,20*	*43,11*	*41,12*	*38,58*	*40,69*	*39,19*
„Telia Lietuva“, AB	*44,76*	*44,46*	*42,96*	*42,52*	*43,14*	*44,47*	*47,87*	*46,71*	*44,70*
UAB „Tele2“	*11,83*	*12,87*	*15,58*	*15,28*	*13,76*	*14,41*	*13,55*	*12,60*	*16,11*
Other providers	*0,00*	*0,00*	*0,00*	*0,00*	*0,00*	*0,00*	*0,00*	*0,00*	*0,00*

6. TELEVISION AND RADIO

6.1. Pay-TV services

- Pay-TV services were provided by:
  - Cable television networks (CaTV);
  - microwave multi-channel television networks (MMDS);
  - using IP technologies (IPTV);
  - digital terrestrial television networks (DVB–T);
  - satellite TV networks (satellite TV).
- The terms and abbreviations used in this section of the report:
  - ARPU (Average Revenue per User) – the average revenue from one user of pay-TV services per month.
  - Quarterly change – change, comparing 2017 IVQ with 2017 IIIQ.
  - Annual change – change comparing 2017 IVQ with 2016 IVQ.
  - Revenue (unless otherwise stated) include the total revenue earned from pay-TV services.

Table 89. Number of service providers, in units, and their changes, in units, 2017 IVQ

	Number	Quarterly change	Annual change
Service providers	39	-1	-3

Table 90. The structure of service users according to the methods of receiving the service, in thousands units, and their changes, %, 2015 IVQ – 2017 IVQ

Service	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
CaTV	397,9	394,4	386,0	381,0	377,4	379,7	375,9	377,0	375,7	-0,4	-0,5
- digital CaTV	132,4	141,9	152,1	152,5	164,0	181,8	183,0	193,7	200,9	3,7	22,5
IPTV	179,9	186,5	192,6	198,5	206,1	211,9	216,3	221,8	229,4	3,4	11,3
Satellite TV	83,6	81,0	77,5	74,9	73,6	71,7	70,1	68,4	66,2	-3,2	-10,1
DVB–T	48,7	46,7	45,3	43,7	39,6	37,3	35,9	33,6	31,8	-5,4	-19,6
MMDS	12,2	12,0	11,6	10,9	10,8	10,5	10,4	10,0	9,9	-1,9	-8,5
Total	**722,3**	**720,5**	**713,0**	**709,0**	**707,4**	**711,0**	**708,1**	**710,9**	**712,9**	0,3	0,8

Table 91. The structure of pay-TV service users according to the methods of receiving the service, %, and changes of market shares, in percentage points, 2017 IVQ

Service	Market share	Quarterly change	Annual change
CaTV	52,7	-0,3	-0,6
IPTV	32,2	1,0	3,1
Satellite TV	9,3	-0,3	-1,1
DVB-T	4,5	-0,3	-1,1
MMDS	1,4	0,0	-0,1

Table 92. Service users' structure by service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
„Telia Lietuva“, AB	33,6	0,5	1,5
UAB „Cgates“	21,1	0,1	5,0
UAB „Init“	10,0	-0,4	-1,4
UAB „Balticum TV“	10,0	-0,1	-0,7
AS „Viasat“	9,3	-0,3	-1,1
„Splius“, UAB	6,2	0,1	0,1
Other providers	9,7	0,1	-3,4

Table 93. Structure of users of CaTV services by service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
UAB „Cgates“	37,8	0,6	8,4
UAB „Init“	19,0	-0,7	-1,7
UAB „Balticum TV“	18,0	-0,3	-1,3
„Splius“, UAB	11,8	0,3	0,6
UAB „Parabolė“	2,1	0,0	2,1
Other providers	11,3	0,1	-8,1

Table 94. Structure of users of IPTV services by service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
„Telia Lietuva“, AB	90,7	-0,3	-1,0
UAB „Penkių kontinentų komunikacijų centras“	5,4	-0,3	-1,0
Other providers	3,9	0,5	2,0

Table 95. Structure of users of other pay-TV services by service providers, %, 2017 IVQ

	Satellite TV	DVB-T	MMDS
Service providers	AS „Viasat“ (100,0%)	„Telia Lietuva“, AB (98,7%)	UAB „Cgates“ (73,8%) UAB „Balticum TV“ (26,2%)

Table 96. Revenue according to the methods of receiving the service, mill. Eur, and their changes, %, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
CaTV	6,51	6,74	6,74	6,76	6,78	6,98	7,01	6,83	6,90	1,0	1,8
IPTV	4,48	4,84	4,99	5,27	5,51	5,87	5,94	6,04	6,33	4,9	14,9
Satellite TV	2,80	2,83	2,87	2,87	2,79	2,73	2,75	2,69	2,67	-0,8	-4,3
DVB–T	1,17	1,13	1,09	1,06	0,99	0,97	0,92	0,88	0,84	-4,1	-14,3
MMDS	0,29	0,29	0,28	0,27	0,27	0,26	0,26	0,25	0,25	-0,2	-5,6
Total	**15,24**	**15,82**	**15,95**	**16,23**	**16,33**	**16,81**	**16,87**	**16,69**	**17,00**	**1,8**	**4,1**

Table 97. Revenue by service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
„Telia Lietuva“, AB	40,70	0,53	1,80
UAB „Cgates“	18,53	0,45	4,13
AS „Viasat“	15,70	-0,42	-1,40
UAB „Init“	7,62	-0,26	-1,78
UAB „Balticum TV“	7,55	-0,32	-0,65
„Splius“, UAB	4,09	-0,05	-0,01
Other providers	5,82	0,05	-2,08

Table 98. Revenue, received from CaTV services, by service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
UAB „Cgates“	43,67	1,49	10,27
UAB „Init“	18,09	-0,44	-3,71
UAB „Balticum TV“	17,63	-0,40	-1,27
„Splius“, UAB	9,73	-0,08	0,23
Other providers	10,89	-1,07	-5,51

Table 99. Revenue, received from IPTV services, by service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
„Telia Lietuva“, AB	96,06	-0,59	-1,54
UAB „Penkių kontinentų komunikacijų centras“	2,3	0,23	0,66
Kiti teikėjai	1,7	0,36	0,88

Table 100. Revenue, received from other pay-TV services, by service providers, %, 2017 IVQ

	Satellite TV	DVB-T	MMDS
Service providers	AS „Viasat“ (100%)	„Telia Lietuva“, AB (99,0%)	UAB „Cgates“ (72,2%.) UAB „Balticum TV“ (27,8%)

6.2. Television and Radio Programmes Transmission Services

Table 101. Service providers, 2017 IVQ

	National networks	Regional networks	Not territory of Lithuania
Television	AB Lietuvos radijo ir televizijos centras	UAB „Balticum TV“	UAB „Satgate“
Radio	AB Lietuvos radijo ir televizijos centras	-	-

Table 102. Revenue, mill. Eur, and their changes, %, 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
Television transmission	0,86	0,84	0,96	0,83	0,89	0,82	0,81	0,83	0,82	-0,7	-6,6
Radio transmission	0,28	0,29	0,28	0,29	0,29	0,28	0,28	0,28	0,28	-1,0	-7,7
Total revenue received from the provision of radio and television transmission services.	**1,14**	**1,13**	**1,24**	**1,11**	**1,18**	**1,10**	**1,09**	**1,11**	**1,11**	**-0,7**	**-6,6**

7. WHOLESALE ACCESS

- Wholesale access services covered by this section of the report include wholesale local lines for the provision of public fixed line telephony services using carrier pre-selection service (Wholesale Line Rental, hereinafter referred to as WLR), fully unbundled and shared access to the local loop, access to Dark Fiber, access to the communications cable channel system (hereinafter referred to as "RKKS") and other access to the physical infrastructure.
- The terms and abbreviations used in this section of the report:
  - Quarterly change – change, comparing 2017 IVQ with 2017 IIIQ.
  - Annual change – change comparing 2017 IVQ with 2016 IVQ.
  - Revenue (unless otherwise stated) include the total revenue earned from wholesale access services.

Table 103. Number of service providers, in units, and their changes, in units, 2017 IVQ

	Number	Quarterly change	Annual change
Service providers	15	0	0

Table 104. Number of service providers according to the groups of access services provided, in units, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV
WLR	-	-	-	-	-	1	1	1	1
Fully unbundled access	1	1	1	1	1	2	2	2	2
Shared access	1	1	1	1	1	1	1	1	1
Access to *Dark Fiber*	14	14	15	15	15	14	14	14	14
Access to RKKS	-	-	-	-	-	2	2	2	2
Total	**14**	**14**	**15**	**15**	**15**	**15**	**15**	**15**	**15**

Table 105. Number of accesses provided by service groups, in units, and RKKS, km, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV
WLR	-	-	-	-	-	1.704	1.668	1738	663
Fully unbundled access:	147	148	107	63	49	124	101	40	31
- *to local* twisted metallic pair *line*	-	-	-	-	-	*124*	*99*	*38*	*29*
- *to local fibre line*	-	-	-	-	-	*0*	*2*	*2*	*2*
- *to local STP or local UTP line*	-	-	-	-	-	*0*	*0*	*0*	*0*
Shared access	24	22	19	17	15	43	40	13	10
Access to *Dark Fiber*	3.066	3.323	2.956	2.945	2.761	2.795	3.216	2.880	2 832
Access to RKKS, km	-	-	-	-	-	8.609	8.688	8.737	8 766

Table 106. Revenue by service groups, mill. Eur, 2015 IVQ – 2017 IVQ

	2015 IV	2016 I	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	Quarterly change	Annual change
WLR	-	-	-	-	-	0,002	0,003	0,002	0,003	12,57	-
Fully unbundled access:	-	-	-	-	-	0,007	0,006	0,006	0,006	-7,88	-
- *to local* twisted metallic pair *line*	-	-	-	-	-	-	*0,001*	0,0010	0,0012	16,87	-
- *to local fibre line*	-	-	-	-	-	-	*0,005*	0,005	0,005	0,00	-
- *to local STP or local UTP line*	-	-	-	-	-	-	-	-	-	-	-
Shared access	-	-	-	-	-	-	-	-	-	-	-
Access to *Dark Fiber*	1,34	1,35	1,32	1,31	1,37	1,29	1,28	1,27	1,24	-2,23	*-9,37*
Access to RKKS	-	-	-	-	-	0,70	0,71	0,71	0,71	0,31	-
Other	-	-	-	-	-	0,09	0,09	0,09	0,10	13,20	-
Total revenue	**1,34**	**1,35**	**1,32**	**1,31**	**1,37**	**2,08**	**2,09**	**2,07**	**2,06**	-0,69	*50,48*

Table 107. Structure of revenue from access to physical infrastructure services by service providers, %, and changes of market shares, in percentage points, 2017 IVQ

Service providers	Market share	Quarterly change	Annual change
„Telia Lietuva“, AB	59,61	1,05	20,09
UAB „Skaidula“	24,33	-1,50	-13,58
Viešoji įstaiga „Plačiajuostis internetas“	10,46	0,29	-5,15

UAB Duomenų logistikos centras	3,01	0,18	-0,74
Other providers	2,60	-0,02	-0,61

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8. ANNEX 1

Summarized indicators of the main electronic communications activities

Name of indicator	Quarter III of 2017	Quarter II of 2017	Quarterly change, %	Quarter III of 2016	Annual change, %
1. Total number of fixed telephone subscribers, in units	**485 943**	**494 192**	-1,67	**529 888**	-8,3
2. Number of fixed telephone lines (including ISDN channels), total, in units	**474 333**	**485 850**	-2,37	**521 893**	-9,1
3. Number of lines per 100 population, in units	**16,9**	**17,3**	-0,4	**18,3**	-1,4
4. Number of active SIM cards, in units	**4 295 222**	**4 296 037**	-0,02	**4 204 692**	2,2
5. Number of active SIM cards per 100 population, in units	**152,8**	**152,6**	0,2	**147,6**	5,2
6. Number of broadband Internet access subscribers, in units	**1 170 428**	**1 145 398**	2,19	**1 274 838**	-8,2
7. Number of broadband Internet access subscribers per 100 population, in units	**41,7**	**40,7**	1,0	**44,7**	-3,0
8. Number of TV services subscribers (pay-TV), in units	**712 926**	**710 892**	0,29	**707 388**	0,8
Including digital television	**538 208**	**527 581**	2,01	**494 055**	8,9
9. Number of pay-TV subscribers per 100 household	**56,8**	**56,6**	0,3	**55,6**	1,2
including: digital television	**42,9**	**42,0**	0,9	**38,8**	4,1
10. Revenue, in thousand EUR:	**171 889**	**168 847**	1,80	**168 448**	2,0
mobile telephone	**42 365**	**44 279**	-4,32	**43 252**	-2,1
fixed telephone	**9 408**	**9 801**	-4,01	**10 805**	-12,9
wholesale public communications networks and telephone services	**36054**	**32809**	9,89	**37453**	-3,7
internet access	**58 044**	**56 445**	2,83	**52 771**	10,0
data transmission services (excl. Internet access)	**5 856**	**5 635**	3,92	**5 283**	10,9
pay TV	**16 999**	**16 694**	1,83	**16 333**	4,1
radio and television programmes transmission services	**1 107**	**1 115**	-0,72	**1 185**	-6,6
wholesale access	**2 055**	**2 070**	-0,69	**1 366**	50,5
11. Investments, in thousand EUR	**39 745**	**29 814**	33,31	**33 693**	18,0
including the investments into the electronic communication network infrastructure	**24 543**	**18 388**	33,47	**24 500**	0,2