

**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 II 2018**

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1. PREFACE

- 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 second quarter of 2018. as well as in the report is used the information of the *Statistics Lithuania*, company *Point Topic Ltd.*
- In the report is used the information of the *Statistics Lithuania*:
population – 2.800.740, average household – 2,08, number of households – 1.346.410.
- 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 SECOND QUARTER OF 2018

- 120 undertakings was engaged in electronic communications activities in the second quarter of 2018, most of them (more than 40%) carried out several activities of electronic communications.
- Electronic communications market (according to revenues) in the second quarter of 2018, in comparison with the first quarter of 2018, increased by 3,8%, and constituted EUR 175,42 million. In comparison with the second quarter of 2017, it increased by 0,4% (EUR 0,64 million).
- In the second quarter of 2018, electronic communications operators continued to invest into broadband communications networks (mobile 4G networks (LTE), fixed broadband, using fibre communication lines, networks). In the second quarter of 2018, the investments into the electronic communications network infrastructure amounted to EUR 25,75 million. Mainly in the second quarter of 2018 invested „Telia Lietuva“, AB into broadband communication network (more than 50% quarter of all investments).
- The broadband penetration (subscribers per 100 population) was 45,4%, and during the first quarter it increased by 1,2 percentage point, during the year –increased by 5,7 percentage point.
- At the end of the second quarter of 2018, 43,5% of households could use 30Mbps and higher speed of the Internet, including 27,0% which could use higher speed than 100 Mbps (at the end of the second quarter of 2017 these figures were accordingly 44,5% and 26,7%).
- During the second quarter of 2018, total number of Internet service subscribers using fibre-optic communication lines was 572,2, during the second quarter this number increased by 0,2% (1,3 thousand new connections), during the year – 3,4%.
- Total number of subscribers that used services of data transmission through public mobile communication network (GPRS/EDGE, UMTS, UMTS HSDPA, LTE) in the second quarter of 2018 totalled 2.603,9 thousand (4,8% more comparing with previous quarter and 12,4% more comparing with the second quarter of 2017).
- The total number of subscribers that used LTE (Long Term Evolution) technology-based Internet access services, during the second quarter of 2018 this number increased by 14,1%, during the year – by 37,1% and was 2.044,1 thousand.
- During the second quarter of 2018 the number of LTE base stations increased by 15,7%, during the year – by 42,1% and at the end of second quarter of 2018 there were 6.555 LTE base stations.
- In the second quarter of 2018, in comparison with the first quarter of 2018, the amount of data sent and received by using the GPRS/EDGE, UMTS, UMTS HSDPA, LTE technologies increased by 6,1% and amounted to approximately 68.694 terabytes (TB). Comparing with the second quarter of 2017, in the second quarter of 2018 their number increased by 60,2%. 92,2% of all sent and received data were sent by using LTE and faster technologies.
- At the end of the second quarter of 2018, 699,9 thousand subscribers (i. e. 52,0% of all households) used pay television (pay-TV) services. During the second quarter the number of pay-TV subscribers decreased by 0,8%. Though the majority of subscribers still use cable TV services, their share decreases. However, the number of IPTV service subscribers increases: during the second quarter of 2018, the number of IPTV subscribers increased by 2,4%, during the year – by 11,3%, and totalled 240,7 thousand, i. e. 34,4% 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 2018 IIQ with 2018 IQ.
 - Annual change – change comparing 2018 IIQ with 2017 IIQ.

Table 1. Number of service providers, engaged in appropriate electronic communications activities, in units, and their changes, in units 2018 IIQ.

Elektroninie communication activity	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
1. Public mobile telephone services	16	16	16	14	14	14	14	14	15	1	1
2. Public fixed telephone services	35	36	36	36	36	34	35	35	34	-1	-2
3. Wholesale public communications networks provision and public telephone services	14	14	15	15	15	15	15	15	15	0	0
4. Internet access services using mobile network technologies	6	6	6	7	7	7	7	7	8	1	1
5. Internet access services using fixed network technologies	97	97	98	86	85	84	88	88	80	-8	-5
6. Other data transmission services (excluding Internet access services)	19	19	19	17	17	17	17	17	17	0	0
7. Television services (pay-TV)	40	41	42	40	41	40	39	39	39	0	-2
8. Radio and television programmes transmission services	4	4	4	3	3	3	3	3	3	0	0
9. Access to physical infrastructure services	15	15	15	15	15	15	15	15	15	0	0
Total:	140	141	140	129	128	128	127	127	120	-7	-8

Table 2. Number of service users that used bundled offers, in thousand units, and their changes, %, 2016 IIQ –2018 IIQ

Elektroninie communication activity	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
1. Mobile telephony communication and broadband Internet	467,8	599,9	599,7	582,1	562,3	603,7	618,8	616,1	600,1	-2,6	6,7
2. Broadband Internet and television	110,6	111,7	113,3	196,5	200,4	203,9	204,8	202,8	201,3	-0,8	0,4
3. Fixed telephony communication, broadband Internet and television	91,0	94,2	96,2	99,2	98,5	97,6	96,3	92,8	89,3	-3,7	-9,3
4. Fixed telephony communication and broadband Internet	60,1	61,4	62,2	60,9	58,3	55,1	52,0	47,8	44,3	-7,3	-24,0
5. Fixed telephony communication and television	0,0	0,0	0,0	3,6	3,7	3,8	3,8	4,0	4,0	0,3	8,3
Total:	729,5	867,2	871,5	942,3	923,1	964,1	975,7	963,5	938,9	-2,6	1,7

Table 3. Revenue, received from electronic communications networks and (or) services provision, Eur million, and their changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Revenue	160,65	166,34	168,45	165,28	174,78	168,85	171,89	168,96	175,42	3,82	0,37

Table 4. Structure of the revenue by groups of services, mill. Eur., market shares, %, and changes, %, 2016 IIQ - 2018 IIQ

Service group	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
1. Retail public mobile telephone services	43,83	43,90	43,25	42,89	44,11	44,28	42,37	43,10	43,40	0,70	-1,60
2. Retail public fixed telephone services	11,13	10,86	10,80	10,54	10,16	9,80	9,41	9,09	8,79	-3,30	-13,53
3. Wholesale public communications networks provision and public telephone services	34,58	36,52	37,45	34,22	39,71	32,81	36,05	32,36	33,36	3,12	-15,97
4. Internet access services using mobile network technologies	21,23	24,23	25,66	26,66	29,33	32,01	33,48	34,86	39,59	13,57	34,98
5 Internet access services using fixed network technologies	26,20	27,01	27,11	25,56	25,43	24,43	24,51	24,16	24,28	0,50	-4,52
6. Other data transmission services (excluding Internet access services)	5,17	5,17	5,28	5,42	5,98	5,64	5,86	5,82	5,95	2,11	-0,61
7. Television services (pay-TV)	15,95	16,23	16,33	16,81	16,87	16,69	17,00	16,45	16,86	2,49	-0,06
8. Radio and television programmes transmission services	1,24	1,11	1,18	1,10	1,09	1,11	1,11	1,07	1,01	-5,64	-7,29
9. Access to physical infrastructure services	1,32	1,31	1,37	2,08	2,09	2,07	2,06	2,05	2,17	6,04	4,04

Table 4a. Structure of the revenue by groups of services, mill. Eur., market shares, %, and changes, in percentage points, 2016 IIQ - 2018 IIQ

Service group	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
1. Retail public mobile telephone services	27,28	26,39	25,68	25,95	25,24	26,22	24,65	25,51	24,74	-0,77	-0,49
2. Retail public fixed telephone services	6,93	6,53	6,41	6,37	5,82	5,80	5,47	5,38	5,01	-0,37	-0,81
3. Wholesale public communications networks provision and public telephone services	21,52	21,95	22,23	20,70	22,72	19,43	20,98	19,15	19,02	-0,13	-3,70
4. Internet access services using mobile network technologies	13,21	14,57	15,24	16,13	16,78	18,96	19,48	20,63	22,57	1,94	5,79
5 Internet access services using fixed network technologies	16,31	16,24	16,09	15,47	14,55	14,47	14,26	14,30	13,84	-0,46	-0,71
6. Other data transmission services (excluding Internet access services)	3,22	3,11	3,14	3,28	3,42	3,34	3,41	3,45	3,39	-0,06	-0,03
7. Television services (pay-TV)	9,93	9,76	9,70	10,17	9,65	9,89	9,89	9,73	9,61	-0,13	-0,04
8. Radio and television programmes transmission services	0,77	0,67	0,70	0,66	0,62	0,66	0,64	0,63	0,58	-0,06	-0,05
9. Access to physical infrastructure services	0,82	0,79	0,81	1,26	1,20	1,23	1,20	1,21	1,24	0,03	0,04

Table 5. Structure of electronic communications market revenue by service providers, %, and changes in market shares, in percentage points, 2016 IIQ - 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	42,63	41,66	41,40	41,87	43,99	41,58	42,27	41,74	40,76	-0,98	-3,23
UAB „Tele2“	19,07	19,47	19,51	19,63	19,72	21,14	19,89	20,74	22,12	1,38	2,40
UAB „Bitė Lietuva“	15,89	16,03	15,80	16,06	16,28	17,53	17,46	17,56	17,78	0,22	1,50
UAB „Mediafon Carrier Services“	4,47	4,67	5,73	4,33	3,43	2,73	3,27	2,70	2,87	0,18	-0,55
UAB „Cgates“	2,35	2,25	2,29	3,07	2,84	2,95	2,98	3,25	3,08	-0,17	0,25
AB Lietuvos radio ir televizijos centras	2,15	2,04	2,02	2,04	1,97	2,07	2,05	2,12	2,04	-0,08	0,07
Other providers	13,44	13,87	13,26	13,01	11,77	12,00	12,08	11,89	11,35	-0,55	-0,43

Table 6. Investments into the electronic communication network infrastructure, mill. Eur, and their changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Investments	21,51	17,90	24,50	17,05	16,96	18,39	24,54	19,79	25,75	30,17	51,87

Table 7. Total number of active SIM cards, in thousand units, their changes, %, and penetration (SIM cards per 100 population), %, changes in percentage points, 2016 IIQ – 2018 m. II Q

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total number of active SIM cards*	4183,4	4239,6	4205,8	4233,4	4268,4	4355,5	4361,3	4447,0	4510,4	1,4	5,7
SIM cards, used for telephone communication	3607,0	3657,3	3601,2	3683,4	3684,6	3726,3	3700,3	3731,1	3753,2	0,6	1,9
SIM cards, used for provision Internet access services, when is used non-telephony, but Internet access payment plan	383,5	395,5	417,1	320,7	350,5	383,1	410,1	441,2	477,6	8,3	36,3
SIM cards, used for provision M2M technology services	192,9	186,9	187,5	229,3	233,2	246,1	251,0	274,8	279,6	1,7	19,9
Penetration*	145,8	148,3	150,0	151,2	151,3	155,5	155,2	158,6	161,0	2,4	9,8

* included SIM cards used for M2M and cards used for provision Internet access services, when is used non-telephony, but Internet access payment plan.

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 2018 IIQ with 2018 IQ.
 - Annual change – change comparing 2018 IIQ with 2017 IIQ.
 - Revenue (unless otherwise stated) include the total revenue earned from the public mobile telephone services

Table 8. Number of service providers, in units, and their changes, in units, 2016 IIQ – 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Service providers providing services on their network (mobile operators)	3	3	3	3	3	3	3	3	3	0	0
Service providers have concluded wholesale service contract with mobile operator	5	5	5	6	4	4	4	4	4	0	-2
Service providers resell services provided by other mobile telephone service providers	8	8	8	8	7	7	7	8	8	1	0
All providers	16	16	16	17	14	14	14	15	15	1	-2

Table 9. Number of active SIM cards, in thousand units, their changes, %, and penetration (SIM cards per 100 population), %, changes in percentage points, 2016 IIQ – 2018 m. IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
SIM cards	3606,2	3656,4	3600,1	3671,8	3664,7	3701,9	3738,7	3731,1	3753,2	0,6	2,4
Penetration	125,7	127,9	126,4	129,7	129,9	131,5	133,0	133,1	134,0	0,9	4,1

Table 10. Structure of service providers according to the number of active SIM cards, %, and changes in market shares in percentage points, 2016 IIQ – 2018 IIQ

Market share	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
UAB „Tele2“	47,6	47,9	47,9	46,6	46,5	45,7	46,1	45,5	45,5	-0,1	-1,0
„Telia Lietuva“, AB	27,5	27,3	27,1	27,7	27,8	27,6	27,9	29,4	29,6	0,2	1,8
UAB „Bité Lietuva“	22,6	22,5	22,6	23,3	23,4	24,5	23,8	22,8	22,7	-0,1	-0,7
Other providers	2,3	2,3	2,5	2,3	2,3	2,2	2,2	2,2	2,2	0,0	-0,1

Table 11. Structure of SIM cards by service providers and method of payment, in thousand units, 2016 m. IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
UAB „Bité Lietuva“	815,3	821,7	812,4	860,0	862,8	884,6	880,0	851,6	853,5	0,2	-1,1
Pre-paid				339,0	337,1	347,8	338,4	317,2	308,9	-2,6	-8,4
Post-paid:				521,4	525,8	536,8	541,6	534,4	544,6	1,9	3,6
• Consumers				314,3	315,2	317,7	320,7	321,2	325,8	1,4	3,4
• Other service users				207,1	210,6	219,1	220,9	213,2	218,8	2,6	3,9
UAB „Tele2“	1 717,8	1 752,4	1 724,5	1 717,5	1 713,1	1 720,4	1 704,2	1 699,2	1 706,4	0,4	-0,4
Pre-paid				849,7	839,7	847,1	816,2	795,7	790,4	-0,7	-5,9
Post-paid:				867,8	873,4	873,4	888,5	903,6	916,0	1,4	4,9
• Consumers				710,6	714,5	716,5	731,3	742,7	754,8	1,6	5,6
• Other service users				157,2	158,9	156,9	157,2	160,9	161,2	0,2	1,5
„Telia Lietuva“, AB*	992,5	999,0	975,7	1 020,1	1 025,2	1 039,9	1 033,6	1 097,7	1 110,9	1,2	8,4
Pre-paid				291,3	287,6	292,5	277,3	270,2	271,2	0,4	-5,7
Post-paid:				728,8	737,6	747,4	756,3	827,5	839,7	1,5	13,8
• Consumers				503,6	510,6	518,6	525,3	587,3	594,3	1,2	16,4
• Other service users				225,2	227,1	228,8	231,1	240,2	245,4	2,2	8,1
Other providers	81,4	84,1	88,5	85,8	83,5	81,4	82,4	82,5	82,4	-0,1	-1,3
Pre-paid				1,6	0,7	0,7	1,1	0,6	0,6	-11,5	-25,8
Post-paid:				83,8	82,8	80,7	81,8	81,9	82,4	0,6	-0,5
• Consumers				52,5	52,9	53,5	53,9	53,8	54,2	0,7	2,4
• Other service users				31,2	29,8	27,2	27,8	28,0	28,2	0,5	-5,6
All providers	3 607,0	3 657,3	3 601,2	3 683,4	3 684,6	3 726,3	3 700,3	3 731,1	3 753,2	0,6	1,9
Pre-paid				1 481,7	1 465,0	1 488,0	1 433,0	1 383,7	1 371,1	-0,9	-6,4
Post-paid:				2 201,7	2 219,6	2 238,3	2 268,2	2 347,4	2 382,7	1,5	7,4
• Consumers				1 581,0	1 593,2	1 606,2	1 631,2	1 705,1	1 729,2	1,4	8,5
• Other service users				620,7	626,3	632,1	637,1	642,3	653,5	1,7	4,3

*- until 2017 UAB „Omnitel“ data.

Table 12. Number portability between public mobile networks, in units, 2018 IIQ

Service providers	Transferred to network	Transferred from network	Difference
„Telia Lietuva“, AB	10 939	9 172	1 767
UAB „Tele2“	13 199	13 553	-354
UAB „Bité Lietuva“	11 897	13 023	-1 126
Other providers	3 288	3 575	-287
All providers	39 323		

Table 13. Duration of initiated calls, mill. min., and their changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Calls initiated in the Republic of Lithuania	2 173,4	2 129,5	2 123,8	2 123,2	2 158,8	2 120,1	2 127,0	2 130,6	2 160,5	1,4	0,1
Roaming initiated calls	21,8	25,2	25,8	36,1	42,8	52,9	54,3	55,2	63,0	14,1	47,4
All calls	2 195,2	2 154,7	2 149,6	2 159,2	2 201,5	2 173,0	2 181,3	2 185,9	2 223,5	1,7	1,0

Table 14. The structure of calls initiated in individual public mobile networks in Lithuania by voice call directions, mill. min., 2016 IIQ – 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
UAB „Bité Lietuva“	499,9	481,5	477,7	472,8	480,4	471,9	470,9	473,0	478,4	1,1	-0,4
Terminated on-net	244,2	232,4	228,6	221,0	223,6	219,8	217,4	216,0	215,9	0,0	-3,4
Terminated in other public mobile communication networks	233,9	227,9	227,0	227,8	232,7	228,6	230,4	233,6	238,6	2,2	2,5
Terminated in public fixed communication networks	18,7	18,4	19,2	19,8	19,7	19,2	18,8	19,3	19,7	2,2	0,0

terminated in the networks of foreign countries	3,1	2,9	2,8	2,7	2,7	2,8	2,6	2,5	2,5	3,8	-6,9
„Telia Lietuva“, AB	580,9	567,0	564,6	567,9	575,9	567,6	570,4	568,7	577,6	1,6	0,3
Terminated on-net	294,2	284,8	281,0	276,9	278,7	274,5	273,9	271,6	276,1	1,7	-0,9
Terminated in other public mobile communication networks	262,6	258,6	259,0	259,9	265,6	261,8	264,7	265,3	269,3	1,5	1,4
Terminated in public fixed communication networks	19,6	19,2	20,5	21,1	21,1	20,6	21,4	21,8	21,5	-1,5	1,9
terminated in the networks of foreign countries	4,4	4,3	4,1	4,1	4,2	4,4	4,2	4,1	4,2	4,3	1,3
UAB „Tele2“	1 033,4	1 022,9	1 023,0	1 031,2	1 049,3	1 028,4	1 033,3	1 036,8	1 052,3	1,5	0,3
Terminated on-net	680,3	665,4	662,5	666,6	674,4	655,0	651,0	650,7	658,2	1,1	-2,4
Terminated in other public mobile communication networks	312,9	317,5	320,3	322,5	332,9	332,7	339,7	342,5	350,5	2,3	5,3
Terminated in public fixed communication networks	35,4	35,3	35,7	37,7	37,9	36,9	38,8	39,7	39,4	-0,8	4,1
terminated in the networks of foreign countries	4,8	4,6	4,5	4,3	4,1	3,9	3,7	3,9	4,2	6,9	1,1
Other providers	59,3	58,1	58,4	51,3	53,1	52,2	52,4	52,1	52,2	0,3	-1,7
Terminated on-net	19,8	19,5	19,7	14,7	15,1	14,8	14,8	14,6	14,7	0,9	-2,6
Terminated in other public mobile communication networks	37,0	36,1	36,2	34,2	35,6	35,0	35,2	35,1	35,2	0,3	-1,1
Terminated in public fixed communication networks	2,0	1,9	2,1	1,8	1,8	1,7	1,8	1,8	1,7	-4,2	-1,9
terminated in the networks of foreign countries	0,5	0,5	0,5	0,4	0,4	0,4	0,4	0,3	0,3	2,4	-19,4
All providers	2 173,4	2 129,5	2 123,8	2 123,2	2 158,8	2 120,1	2 127,0	2 130,6	2 160,5	1,4	0,1
Terminated on-net	1 238,5	1 202,2	1 191,8	1 179,1	1 191,8	1 164,1	1 157,2	1 153,0	1 165,0	1,0	-2,3
Terminated in other public mobile communication networks	846,4	840,1	842,6	844,5	866,9	858,1	870,0	876,4	893,6	2,0	3,1
Terminated in public fixed communication networks	75,6	74,9	77,5	80,5	80,5	78,4	80,9	82,7	82,4	-0,4	2,4
terminated in the networks of foreign countries	12,8	12,3	11,9	11,5	11,5	11,5	10,9	10,8	11,3	5,1	-1,5

Table 15. Average call duration initiated in public mobile communication networks in Lithuania per subscriber per month by service providers, min., 2016 IIQ – 2018IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
UAB „Bitė Lietuva“	197,4	197,4	196,0	183,3	185,6	177,8	178,4	185,1	186,8	0,9	0,7
Pre-paid				80,0	81,1	75,5	74,8	76,8	77,6	1,0	-4,3
Post-paid:				255,5	260,4	254,8	256,4	262,3	263,7	0,5	1,3
• Consumers				242,4	240,9	228,6	223,7	230,1	226,5	-1,6	-6,0
• Other service users											
„Telia Lietuva“, AB	202,1	202,1	197,7	185,6	187,2	181,9	184,0	172,7	173,3	0,4	-7,4
Pre-paid				70,8	66,1	68,3	68,2	67,2	66,0	-1,7	-0,1
Post-paid:				230,6	233,0	225,0	225,0	206,3	208,1	0,9	-10,7
• Consumers				233,3	237,9	229,6	229,6	209,2	207,5	-0,8	-12,7
• Other service users											
UAB „Tele2“	200,5	194,6	197,7	200,1	204,2	199,3	202,1	203,4	205,6	1,1	0,7
Pre-paid				133,9	136,7	134,5	135,0	134,0	135,3	1,0	-1,1
Post-paid:				265,3	269,6	262,4	264,0	237,8	234,5	-1,4	-13,0
• Consumers				263,9	266,4	260,3	262,6	182,8	183,3	0,3	-31,2
• Other service users											

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 2018 IIQ with 2018 I.
 - Annual change – change comparing 2018 IIQ with 2017 IIQ.
 - 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, 2016 IIQ – 2018 II

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total number of service providers	42	43	42	36	36	34	35	35	34	-1	-2
Including: by using IP protocol	32	33	33	28	30	30	30	30	31	1	1

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, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Number of lines	541,4	531,7	521,9	509,8	495,8	485,9	474,3	459,5	447,1	-2,7	-9,8
Penetration of lines (per 100 population)	18,9	18,6	18,3	18,0	17,6	17,3	16,9	16,4	16,0	-0,4	-1,6
Penetration of lines (per 100 households)	42,3	41,6	41,0	40,3	39,4	38,7	37,8	34,1	33,2	-0,9	-6,2
Number of service users	549,7	540,6	529,9	517,6	503,2	494,2	485,9	470,9	458,6	-2,6	-8,9
-natural persons	388,5	383,6	374,7	363,9	351,4	340,9	333,7	320,2	310,0	-3,2	-11,8
-legal person	161,2	157,0	155,2	153,8	151,8	153,2	152,2	150,6	148,6	-1,4	-2,1

Table 28. Users of services and lines used, in thousand units, the structure by service providers, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Number of lines	541,4	531,7	521,9	509,8	495,8	485,9	474,3	459,5	447,1	-2,7	-9,8
„Telia Lietuva“, AB	89,4	89,4	89,1	88,9	88,8	87,9	87,5	87,2	86,8	-0,3	-2,0
Other providers	10,6	10,6	10,9	11,1	11,2	12,1	12,5	12,8	13,2	0,3	2,0
Number of service users	549,7	540,6	529,9	517,6	503,2	494,2	485,9	470,9	458,6	-2,6	-8,9
„Telia Lietuva“, AB	88,0	88,0	87,7	87,5	87,5	86,4	85,4	85,0	84,6	-0,5	-3,3
UAB „CSC Telecom“	3,7	3,8	4,0	4,2	3,8	3,9	4,0	4,2	4,4	0,3	0,6
UAB „Baltinetos komunikacijos“	2,4	2,1	2,2	2,2	2,3	3,0	3,1	3,2	3,3	0,1	1,0
UAB „Nacionalinis telekomunikacijų tinklas“	3,2	3,3	3,4	3,6	3,7	3,9	3,9	4,0	4,1	0,1	0,4
Other providers	2,6	2,8	2,7	2,5	2,6	2,8	2,8	3,5	3,5	0,0	0,9

Table 29. Number portability between public fixed networks, in units, 2018 IIQ

Service providers	Transferred to network	Transferred from network	Difference
UAB „Teledema SIP“	433	0	433
UAB „Nacionalinis telekomunikacijų tinklas“	424	23	401
UAB „CSC Telecom“	251	39	212
UAB „Tele2“	125	6	119
UAB „EcoFon“	17	0	17
AB „Lietuvos geležinkelis“	0	2	-2
AB Lietuvos radio ir televizijos centras	0	16	-16
UAB „Mediafon Carrier Services“	188	440	-252
„Telia Lietuva“, AB	84	996	-912
All providers	1522		

Table 30. The number of fixed telephone communication lines of individual service providers, in thousand units, structure of lines by technology, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	483,9	475,5	464,8	453,2	440,5	427,2	414,9	400,5	388,1	-3,1	-11,9
Twisted metallic pair lines	381,3	372,6	362,2	361,5	348,4	335,2	321,9	305,4	284,3	-6,9	-18,4
Fibre communication lines	0,0	0,0	0,0	47,8	49,2	49,9	51,9	55,1	64,3	16,6	30,6
Wireless communication lines	20,8	20,1	19,7	19,3	19,1	18,8	18,6	18,3	18,2	-0,3	-4,5
Coaxial cable lines	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
STP/UTP lines	55,2	57,0	57,7	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
ISDN channels	26,6	25,8	25,2	24,6	23,8	23,3	22,5	21,7	21,3	-1,6	-10,4
Other providers	57,6	56,2	57,1	56,6	55,3	58,6	59,4	59,0	59,0	-0,1	6,6
Twisted metallic pair lines	13,8	14,0	14,4	14,3	14,6	14,4	14,6	14,2	14,7	3,9	1,0
Fibre communication lines	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Wireless communication lines	0,1	0,1	0,1	1,5	1,6	1,6	1,8	1,6	1,6	-1,1	-1,6
Coaxial cable lines	5,3	5,4	5,4	5,5	5,5	5,7	5,5	5,5	5,4	-0,9	-0,6
STP/UTP lines	27,4	25,7	26,0	23,7	23,9	27,2	27,8	27,8	27,7	-0,5	15,7
ISDN channels	11,0	11,1	11,2	11,6	9,7	9,7	9,7	9,9	9,5	-3,9	-2,0
All providers	541,4	531,7	521,9	509,8	495,8	485,9	474,3	459,5	447,1	-2,7	-9,8
Twisted metallic pair lines	395,1	386,6	376,6	375,8	363,0	349,7	336,5	319,6	299,0	-6,4	-17,6
Fibre communication lines	0,0	0,0	0,0	47,8	49,2	49,9	51,9	55,1	64,3	16,6	30,6
Wireless communication lines	20,9	20,2	19,7	20,7	20,7	20,4	20,4	19,9	19,8	-0,4	-4,3
Coaxial cable lines	5,3	5,4	5,4	5,5	5,5	5,7	5,5	5,5	5,4	-0,9	-0,6
STP/UTP lines	82,6	82,7	83,7	23,7	23,9	27,2	27,8	27,8	27,7	-0,5	15,7
ISDN channels	37,5	36,9	36,4	36,2	33,5	33,0	32,2	31,6	30,8	-2,3	-8,0

Table 31. Duration of calls initiated in public fixed telephone networks by service providers, mill. min. and their changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	178,5	161,9	173,4	173,3	156,6	142,1	147,9	143,2	128,8	-10,0	-17,7
Including: - VoIP	0,4	0,4	0,3	0,4	0,3	0,3	0,2	0,2	0,1	-46,4	-60,9
Other providers	21,0	20,2	22,6	21,4	19,5	19,1	19,9	19,5	18,4	-5,5	-5,4
Including: - VoIP	10,5	10,5	12,4	13,4	11,7	14,1	15,0	14,7	13,7	-6,4	17,2
All providers	199,4	182,1	196,0	194,7	176,1	161,2	167,7	162,7	147,3	-9,5	-16,4

Table 32. Duration of initiated calls, mill. min., the structure of service providers according to the duration of the initiated calls, %, and changes of market shares, in percentage points, 2018 IIQ

	Total duration of calls, mill. min.	Market share	Quarterly change	Annual change
International calls	8,2		-3,3	-21,0
„Telia Lietuva“, AB		42,2	1,0	-0,8
UAB „Baltnetos komunikacijos“		19,5	-2,6	1,3
UAB „TCG Telecom“		16,6	0,6	-0,1
UAB „CSC Telecom“		11,4	0,5	-3,8
UAB "Peoplefone"		2,4	-0,2	2,4
UAB „Nacionalinis telekomunikacijų tinklas“		3,1	0,3	0,7
Other providers		4,8	0,3	0,2
National calls	91,3		-12,6	-19,8
„Telia Lietuva“, AB		91,2	-0,3	-1,4
UAB „Nacionalinis telekomunikacijų tinklas“		4,0	0,2	0,7
Other providers		4,8	0,2	0,7
Calls to mobile networks	45,2		-3,6	-7,2
„Telia Lietuva“, AB		87,7	-0,4	-2,0
UAB „CSC Telecom“		4,4	0,2	0,8
UAB „Nacionalinis telekomunikacijų tinklas“		5,0	0,3	1,1
Other providers		2,8	0,0	0,1
Calls to short and etc. free/premium rate numbers	2,6		-10,5	-17,7
„Telia Lietuva“, AB		95,8	-0,1	-0,4
Other providers		4,2	0,1	0,4

All calls	147,3		-9,5	-16,4
"Telia Lietuva", AB		87,5	-0,5	-1,5
UAB „Nacionalinis telekomunikacijų tinklas“		4,3	0,2	0,8
UAB „CSC Telecom“		2,7	0,3	0,2
Other providers		5,5	0,0	0,5

Table 33. The average duration of calls initiated per service user per month by service providers, min, and its change, min., 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	122,9	113,5	124,4	127,5	118,5	110,9	118,8	119,2	110,7	-8,5	-7,8
• Consumers	125,4	116,2	127,6	130,1	120,8	113,3	122,3	123,4	112,5	-11,0	-8,3
• Other service users	115,2	104,9	114,2	119,2	111,6	103,7	108,4	107,0	105,6	-1,4	-6,0
Other providers	106,1	103,5	115,7	110,4	103,6	94,8	93,2	92,3	87,2	-5,1	-16,4
• Consumers	78,7	77,5	86,5	84,7	90,9	84,8	80,5	83,6	76,6	-7,0	-14,3
• Other service users	118,7	116,5	129,9	122,3	109,1	99,3	99,4	96,6	92,3	-4,2	-16,8
All providers	120,9	112,3	123,3	125,4	116,6	108,7	115,1	115,2	107,0	-8,1	-9,6
• Consumers	122,9	114,0	125,2	127,6	119,1	111,6	119,4	120,6	109,8	-10,8	-9,4
• Other service users	116,2	108,1	118,7	120,1	110,9	102,3	105,5	103,7	101,4	-2,3	-9,5

Table 34. Revenue, mill. Eur, and their changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Revenue	11,13	10,86	10,80	10,54	10,16	9,80	9,41	9,09	8,79	-3,30	-13,53
Including: - VoIP	0,43	0,46	0,55	0,64	0,60	0,75	0,71	0,71	0,70	-1,02	17,30

Table 35. The structure of revenue by service providers, %, and their changes, in percentage points, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	93,11	92,73	91,64	91,49	91,66	91,19	91,27	91,02	90,74	-0,28	-0,91
Other providers	6,89	7,27	8,36	8,51	8,34	8,81	8,73	8,98	9,26	0,28	0,91

Table 36. The structure of revenue, received from different directions of calls, by service providers, %, 2018 IIQ

Directions of calls	Total revenue, mill. Eur.	„Teo LT“, AB	UAB „CSC Telecom“	UAB „Baltnetos komunikacijos“	UAB „TCG Telecom“	Other
Calls in own network (national calls)	2,36	99,98	-	-	-	0,02
To short and service numbers	0,27	95,06	3,17	-	-	1,78
To other fixed networks	0,17	61,21	3,96	25,21	4,55	5,06
To other mobile networks	0,92	88,71	3,52	4,36	-	3,41
International	0,76	57,67	7,83	18,53	7,21	8,76
Total revenue from calls	4,47	90,73	-	2,53	-	6,74

Table 37. ARPU by service providers, Eur, and their changes, Eur, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	7,13	7,04	7,09	7,08	7,04	6,96	6,89	6,88	6,84	-0,53	-2,80
Other providers	3,69	3,85	4,39	4,61	4,49	4,28	3,84	3,86	3,85	-0,19	-14,18
All providers	6,71	6,66	6,76	6,77	6,72	6,60	6,44	6,43	6,38	-0,69	-5,04

Table 38. Average service revenue by service providers, Eur ct per 1 min., and their changes, Eur ct per 1 min., 2016 IQ – 2018 IQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
National call											
„Telia Lietuva“, AB	2,55	2,71	2,46	2,64	2,88	3,10	3,03	2,84	3,16	11,40	9,64
Other providers	1,31	1,39	1,33	0,84	0,95	1,09	0,91	0,91	0,96	4,98	0,78
All providers	2,46	2,61	2,37	2,51	2,74	2,95	2,86	2,68	2,97	10,99	8,37
International call											
„Telia Lietuva“, AB	12,16	12,97	12,12	12,03	12,03	12,70	12,28	12,40	11,57	-6,65	-3,81
Other providers	5,26	5,71	6,15	5,48	5,95	6,67	6,11	6,99	7,35	5,06	23,59
All providers	8,64	9,04	8,72	8,05	8,56	9,16	8,64	9,43	9,31	-1,28	8,71

Table 39. Information on public fixed telephony services provided by prepaid cards, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Duration of call by using prepaid cards, in thousand min.	664,0	695,6	690,8	241,4	229,3	228,1	201,8	165,8	159,6	-3,7	-30,4
duration of calls by payphone, in thousand. min.	260,2	235,4	222,0	190,5	184,3	183,1	166,5	158,3	159,6	0,8	-13,4
Revenue from prepaid cards, thousand Eur	59,5	64,0	58,3	15,6	20,9	16,7	16,1	11,8	10,4	-11,8	-50,4
payphone cards	21,0	26,0	13,3	10,7	16,0	13,7	13,8	10,5	10,4	-1,1	-34,9
Number of payphones, units	1047,0	1028,0	983,0	980,0	980,0	959,0	952,0	919,0	681,0	-25,9	-30,5
in cities	867,0	853,0	810,0	807,0	807,0	791,0	790,0	765,0	562,0	-26,5	-30,4
in other areas	180,0	175,0	173,0	173,0	173,0	168,0	162,0	154,0	119,0	-22,7	-31,2
During the month by payphone was spoken, min	20,7	19,1	18,8	16,2	16,2	15,9	14,6	14,4	19,5	36,0	20,5

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 2018 IIQ with 2018 IQ.
 - Annual change – change comparing 2018 IIQ with 2017 IIQ.
- 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 40. The structure of revenue by groups of services, mill. Eur, and their changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Call termination in mobile networks	14,74	11,44	11,04	10,69	11,00	11,25	11,29	11,33	12,12	6,98	10,23
Call termination in fixed networks	0,82	0,67	0,70	0,59	0,67	0,61	0,61	0,48	0,41	-15,07	-38,87
Transit services	16,43	18,10	19,92	17,87	22,56	14,67	18,78	15,44	14,42	-6,60	-36,06
Roaming in	1,59	2,26	1,31	2,15	2,57	2,76	1,67	1,58	2,12	34,21	-17,66
Other revenue	0,99	2,91	3,26	2,91	2,92	3,51	3,70	3,53	4,30	21,83	47,30
Total revenue	34,58	35,39	36,23	34,22	39,71	32,81	36,05	32,36	33,36	3,12	-15,97

4.3.1. Call termination services

Call termination in public mobile networks

Table 41. Number of service providers, in units, and their changes, in units, 2016 IIQ – 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total number of service providers	5	5	5	5	5	5	5	5	5	0	0

Table 42. The duration of terminated calls according to the origin of call initiation, mill. min., and its changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
From public fixed communication networks	59,0	55,7	60,8	53,4	54,4	55,2	55,0	57,2	56,3	-1,52	3,54
From public mobile communication networks	825,6	816,8	827,3	828,8	851,4	842,1	848,3	852,3	869,2	1,99	2,10
From foreign countries	94,9	96,7	98,1	89,0	100,9	122,8	127,2	131,3	148,7	13,28	47,33
Total duration	979,5	969,3	986,2	971,2	1006,7	1020,2	1 030,5	1 040,7	1074,3	3,22	6,71

Table 43. The duration of terminated calls by service providers, %, and changes of market shares, in percentage points, 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
UAB „Tele2“	41,3	41,0	40,7	41,1	41,1	41,4	41,6	41,0	41,3	0,3	0,2
„Telia Lietuva“, AB	31,7	31,9	31,6	32,2	32,0	32,0	31,8	31,7	31,3	-0,4	-0,7
UAB „Bité Lietuva“	26,9	27,0	26,7	26,4	26,6	26,6	26,3	27,0	27,0	0,0	0,4
Other service providers	0,1	0,1	0,9	0,3	0,2	0,2	0,3	0,3	0,4	0,1	0,2

Table 44. The structure of revenue by service providers, %, and changes of market shares, in percentage points, 2016 IIQ – 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
UAB „Tele2“	38,30	38,52	37,91	39,25	40,06	40,24	39,34	38,71	39,42	0,71	-0,63
„Telia Lietuva“, AB	35,36	34,73	35,59	33,62	32,48	32,34	32,91	34,11	33,33	-0,78	0,85
UAB „Bitė Lietuva“	25,68	25,36	26,02	26,80	27,00	26,31	26,37	26,11	24,89	-1,22	-2,11
Other service providers	0,67	1,39	0,48	0,34	0,47	1,11	1,38	1,08	2,36	1,29	1,89

Call termination in public fixed networks

Table 45. Number of service providers, in units, and their changes, in units, 2006 II – 2018 II

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total number	8	8	8	7	7	7	7	7	7	0	0

Table 46. The duration of terminated calls according to the origin of call initiation, mill. min., and its changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
From public fixed communication networks	21,3	19,6	22,2	22,4	19,7	16,6	17,5	18,7	16,8	-10,14	-14,86
From public mobile communication networks	75,0	72,3	76,5	59,7	59,3	59,6	83,0	83,3	81,4	-2,20	37,30
From foreign countries	11,5	9,8	9,8	8,9	9,2	8,6	9,1	8,8	7,9	-10,21	-13,86
Total duration	107,8	101,7	108,5	91,0	88,2	84,8	109,6	110,8	106,1	-4,18	20,31

Table 47. The duration of terminated calls by service providers, mill. min., and changes, %, 2016 IIQ – 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	87,9	82,0	79,3	70,1	68,5	64,2	87,8	87,8	84,1	-4,21	22,83
Other providers	19,9	19,7	22,4	20,8	19,7	20,6	21,9	22,9	22,0	-4,06	11,57
Total duration	107,8	101,7	101,7	91,0	88,2	84,8	109,6	110,8	106,1	-4,18	20,31

Table 48. The structure of revenue by service providers, mill. Eur, and changes, %, 2016 IIQ - 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	0,53	0,54	0,55	0,51	0,49	0,54	0,54	0,42	0,35	-16,13	-28,72
Other providers	0,28	0,14	0,15	0,09	0,18	0,07	0,06	0,06	0,06	-8,02	-67,23
All providers	0,81	0,67	0,70	0,59	0,67	0,61	0,61	0,48	0,41	-15,07	-38,87

4.3.2. Transit services

Table 49. Number of service providers, in units, and their changes, in units, 2016 IIQ – 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
	11	11	11	10	10	10	10	10	10	0	0

Table 50. The duration of forwarded calls by call directions, mill. min., and its changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
From Lithuania to Lithuania	91,2	86,4	101,3	2,2	2,3	2,3	2,4	2,8	3,0	6,76	31,15
From Lithuania to abroad	-	-	-	45,7	36,0	44,7	42,1	17,5	50,3	186,79	39,44
From abroad to Lithuania	-	-	-	129,4	122,7	129,2	137,7	139,8	163,3	16,83	33,10
From abroad to abroad	323,3	318,2	303,6	251,9	259,9	240,9	255,4	226,4	252,6	11,59	-2,82
Total duration	414,5	404,6	404,9	429,2	420,9	417,0	437,6	386,4	469,1	21,39	11,45

Table 51. The structure of forwarded calls by call directions and by service providers, %, 2018 IIQ

	„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	18,9	14,6	20,7	20,0	25,3	-	-	0,5
From Lithuania to abroad	17,6	20,0	-	3,1	-	59,3	-	0,0
From abroad to Lithuania	46,6	10,6	2,2	17,1	-	-	23,4	0,2
From abroad to abroad	23,3	6,6	1,9	67,4	-	-	-	0,9
Total duration	30,7	9,4	1,9	42,7	-	6,3	8,1	0,7

Table 52. Revenue, mill. Eur, and its changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Revenue	16,43	18,10	19,92	17,87	22,56	14,67	18,78	15,44	14,42	-6,60	-36,06

Table 53. The structure of revenue by service providers, %, and changes of market shares, in percentage points, 2018 IQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	43,16	39,32	39,39	42,12	64,07	49,55	51,52	51,42	45,67	-5,75	-18,40
UAB „Mediafon Carrier Services“	43,63	42,84	48,42	39,96	26,49	31,33	29,90	29,42	34,87	5,45	8,38
UAB „EcoFon“	7,04	7,04	4,84	9,87	2,67	7,79	10,77	11,01	11,22	0,21	8,55
UAB „Bitė Lietuva“	4,13	5,30	3,32	3,88	3,99	8,62	5,85	6,11	5,91	-0,19	1,92
Other providers	2,05	5,49	4,03	4,16	2,78	2,72	1,96	2,04	2,33	0,29	-0,45

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 2018 IIQ with 2018 IQ.
 - Annual change – change comparing 2018 IIQ with 2017 IIQ.

Table 54. Number of service providers, in units, and their changes, in units, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Service providers	102	104	103	94	93	92	91	89	88	-1	-5

Table 55. Revenue, mill. Eur, and its changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Retail revenue	46,09	49,09	50,86	50,87	52,98	55,11	56,67	58,12	62,79	8,03	18,51
<i>Including: by using fixed communication technologies</i>	24,86	24,86	25,20	24,30	23,85	23,46	23,40	23,42	23,50	0,34	-1,47
<i>By using mobile communication technologies</i>	21,23	24,23	25,66	26,56	29,13	31,65	33,27	34,70	39,29	13,22	34,87
<i>Including: retail roaming Internet access revenue</i>	-	-	-	2,61	2,84	2,40	2,50	2,64	3,29	24,75	15,69
Wholesale revenue	1,34	2,15	1,91	1,36	1,78	1,34	1,32	0,90	1,08	20,55	-39,08
<i>Including: wholesale roaming Internet access revenue</i>	-	-	-	0,10	0,20	0,37	0,37	0,06	0,06	0,00	-68,81
Total revenue	47,43	51,23	52,77	52,22	54,76	56,45	57,99	59,02	63,87	8,22	16,64

Table 56. The structure of revenue from wholesale Internet access services by service providers, %., and changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
UAB „Satgate“	49,95	66,55	59,60	49,61	56,32	30,58	41,88	25,89	25,83	-0,06	-30,49
„Telia Lietuva“, AB	26,38	18,38	25,00	23,79	17,73	24,25	23,06	28,67	23,52	-5,15	5,79
UAB „Bitė Lietuva“	-	-	-	7,22	11,07	27,03	16,54	17,45	27,67	10,21	16,60
UAB „Ektra“	4,18	4,18	3,40	4,74	3,61	4,81	4,85	6,97	5,71	-1,26	2,10
LATTELEKOM SIA filialas	4,27	4,27	2,10	2,87	2,78	4,17	4,68	6,78	5,13	-1,64	2,35
UAB „Nacionalinis telekomunikacijų tinklas“	8,40	6,02	5,20	8,42	5,69	7,51	7,35	11,83	9,87	-1,96	4,18
Other providers	6,82	0,61	4,70	3,35	2,80	1,65	1,64	2,41	2,26	-0,15	-0,54

Table 57. The service penetration, %, and its changes, in percentage points, 2016 IIQ – 2018 IIQ

Per 100 population:	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Internet access::	42,8	43,6	44,7	39,0	39,7	40,7	41,7	44,2	45,4	1,2	5,7
via mobile network	13,4	13,8	14,6	10,3	11,3	12,4	13,2	15,7	17,1	1,3	5,7
via fixed network	29,5	29,8	30,1	28,7	28,4	28,3	28,4	28,5	28,3	-0,2	0,0
Per 100 households:											
Internet access, by using fixed communication technologies	66,0	66,7	67,4	64,3	63,6	63,5	63,7	55,6	55,4	-0,3	-8,2

Table 58. The speed rate of direct international Internet communication channels (Mbps) by service providers, Mb/s, and its changes, %, 2016 IIQ – 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	260 000	285 000	286 500	296 500	306 500	306 500	306 500	355 840	386 560	8,6	26,1
UAB „Bité Lietuva“	61 440	61 440	61 440	61 440	81 920	102 400	102 400	112 640	112 640	0,0	37,5
UAB „Nacionalinis telekomunikacijų tinklas“	51 200	51 200	51 200	51 200	51 200	51 200	51 200	51 200	51 200	0,0	0,0
UAB „Penkių kontinentų komunikacijų centras“	20 000	20 000	20 000	23 000	23 000	23 000	50 000	50 000	50 000	0,0	117,4
SIA „Lattelecom“ filialas	30 090	24 897	28 737	29 872	29 822	34 264	40 627	126 121	110 585	-12,3	270,8
AB Lietuvos radio ir televizijos centras	0	0	0	24 000	24 000	28 000	33 000	33 000	33 000	0,0	37,5
UAB CITIC Telecom CPC Lithuania	0	0	0	0	0	0	0	10 240	10 240	0,0	-
KTU Informacinių technologijų plėtros institutas	5 120	5 120	5 120	5 120	5 120	5 120	5 120	5 120	5 120	0,0	0,0
Other	5 810	5 810	5 810	8 930	3 510	3 510	3 510	3 510	3 510	0,0	0,0
Total	433 660	453 467	458 807	494 942	525 072	553 994	602 597	747 671	762 855	2,0	45,3

5.1.1. 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.

* from 2017 IQ included AB Lietuvos radio ir televizijos centras data

Table 59. Number of service providers, in units, and their changes, in units, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Service providers	6	6	6	7	8	8	8	8	8	0	1

Table 60. Number of active SIM cards by service groups, thousands , and their changes, %, 2016 IIQ — 2018 IIQ

SIM cards	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total number of SIM cards used for provision Internet access services	2 232,8	2 371,6	2 409,0	2 173,8	2 316,6	2 381,0	2 444,3	2 484,0	2 603,9	4,8	12,4
- including: using LTE and faster data transfer technologies	829,2	1 049,8	1 184,2	1 328,5	1 490,9	1 599,8	1 765,2	1 791,3	2 044,1	14,1	37,1
1. SIM cards, used for provision Internet access services, when is paid for the amount sent/received data	-	-	-	218,1	234,9	250,6	230,9	234,5	229,2	-2,3	-2,4
- including: using LTE and faster data transfer technologies	-	-	-	79,9	91,5	104,2	100,3	106,7	131,4	23,2	43,6
2. SIM cards, used for provision Internet access services, when is used non-telephony, but Internet access payment plan *	383,5	395,5	417,1	320,7	350,5	348,0	410,1	441,2	477,6	8,3	36,3
Pre-paid	0,0	0,0	1,8	1,6	1,3	1,1	0,9	0,9	0,5	-46,2	-64,2
Post-paid:	0,0	0,0	415,2	319,1	349,2	382,0	409,1	440,3	477,2	8,4	36,6

• Consumers	0,0	0,0	160,1	208,9	234,5	256,9	279,1	305,5	333,8	9,3	42,4
• Other service users	0,0	0,0	255,1	110,2	114,8	125,1	130,0	134,9	143,3	6,3	24,9
- including: using LTE and faster data transfer technologies	-	-	-	145,8	166,5	184,7	199,0	212,4	229,7	8,2	38,0
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.	-	-	-	1 470,8	1 804,3	1 648,2	1 704,6	1 790,4	1 840,2	2,8	2,0
- including: using LTE and faster data transfer technologies	-	-	-	384,2	390,0	434,6	479,1	498,9	549,4	10,1	40,9

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

Table 61. The number of active SIM cards by service providers, %, and changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
UAB „Tele2“	40,2	39,4	40,5	33,9	35,8	34,8	35,8	38,3	37,3	-1,0	1,5
„Telia Lietuva“, AB	30,7	30,3	29,4	32,3	31,3	31,7	31,2	29,3	29,0	-0,2	-2,2
UAB „Bitė Lietuva“ AB Lietuvos radio ir televizijos centras	27,3	28,6	28,3	30,1	28,9	29,2	28,4	27,9	29,3	1,4	0,3
Other service providers	0,0	0,0	0,0	2,6	2,2	2,4	2,6	2,7	2,6	-0,1	0,5
	1,7	1,7	1,7	1,0	1,9	1,9	1,9	1,9	1,8	0,0	-0,1

Table 62. 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, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	49,3	48,6	46,5	35,0	32,6	30,3	28,8	27,0	25,7	-1,3	-6,9
UAB „Bitė Lietuva“	41,3	41,8	41,6	36,2	34,8	34,0	33,2	32,2	32,4	0,2	-2,3
UAB „Tele2“	9,1	9,2	11,5	15,5	17,6	19,5	21,3	24,6	26,6	1,9	8,9
AB Lietuvos radio ir televizijos centras	0,0	0,0	0,0	12,5	14,2	15,1	15,8	15,2	14,4	-0,8	0,2
Other service providers	0,3	0,4	0,4	0,8	0,7	1,1	1,0	0,9	0,9	0,0	0,1

Table 63. Revenue, mill. Eur, and their changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Revenue	21,23	24,23	25,66	26,56	29,13	31,65	33,27	34,70	39,29	13,22	34,87
• including: for Internet access services, when is used non-telephony, but Internet access payment plan	6,15	6,57	7,12	7,56	8,01	8,64	9,00	9,43	10,25	8,65	28,02

Table 64. ARPU according to the manner of access, Eur per month, and their changes, Eur per month, 2016 IIQ — 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Via mobile network	3,17	3,41	3,55	3,67	3,78	4,10	4,20	4,30	4,61	7,11	21,83
• ARPU for Internet access services, when is used non-telephony, but Internet access payment plan	5,35	5,54	5,69	7,86	7,61	7,52	8,08	7,13	7,15	0,36	-6,04

Table 65. Revenue according to the service providers, %, changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
UAB „Tele2“	28,86	31,19	32,42	33,73	35,27	33,71	33,58	34,03	37,69	3,66	2,42
„Telia Lietuva“, AB	38,62	36,69	35,62	34,50	32,76	33,10	32,62	31,65	29,43	-2,22	-3,33
UAB „Bitė Lietuva“	31,93	31,49	31,42	27,81	27,35	28,15	28,65	29,13	27,99	-1,15	0,64
AB Lietuvos radio ir televizijos centras	0,00	0,00	0,00	3,16	3,76	4,09	4,34	4,46	4,06	-0,40	0,30
Other service providers	0,59	0,63	0,54	0,80	0,86	0,94	0,81	0,73	0,83	0,10	-0,03

Table 66. Revenue according to the service providers, when is used non-telephony, but Internet access payment plan, %, changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
UAB „Bitė Lietuva“	38,67	40,50	39,90	34,85	34,76	33,81	34,36	34,29	34,13	-0,15	-0,63
„Telia Lietuva“, AB	46,51	44,30	40,10	33,33	31,90	30,06	27,18	25,66	23,46	-2,19	-8,44
UAB „Tele2“	13,67	15,00	19,80	20,44	19,40	20,82	22,09	23,34	26,57	3,23	7,17
AB Lietuvos radio ir televizijos centras	0,00	0,00	0,00	11,11	13,68	14,97	16,05	16,39	15,57	-0,83	1,89
Other service provider	0,16	0,20	0,20	0,27	0,25	0,34	0,32	0,33	0,27	-0,05	0,02

Table 67. The total amount of data sent and received during the quarter, TB, and the amount of data sent and received by one user per month, MB, and their changes, %, 2016 IIQ — 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
The total amount of data sent and received	14 167	18 798	22 282	36 702	42 878	53 156	59 929	64 769	68 694	6,1	60,2
including: using LTE and faster data transfer technologies	-	-	-	28 487	37 023	47 337	54 507	59 575	63 330	6,3	71,1
The amount of data sent and received by one user per month	2 218	2 770	3 233	5 901	6 469	7 803	8 570	9 114	9 221	1,2	42,5

Table 68. 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, %, 2018 IIQ

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“	23 816	16,7	21 271	16,8	8582,1	14,4
AB Lietuvos radio ir televizijos centras	17 908	-6,7	17 908	-6,7	91039,1	-9,0
„Telia Lietuva“, AB	14 452	4,5	13 223	5,1	6681,9	0,5
UAB „Bitė Lietuva“	12 251	10,2	10 765	13,8	5621,4	0,3
Other service providers	266	15,8	164	17,8	1961,0	13,4
All providers	68 694	6,1	63 330	6,3	9220,9	1,2

5.1.2. 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 69. Number of service providers, in units, and their changes, in units, 2016 IIQ — 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Service providers	98	97	96	86	85	84	83	81	80	-1	-5

Table 70. The structure of service providers by technologies, %, 2018 IIQ

	FTTx	Wireless communications	CaTV network	xDSL
"Telia Lietuva", AB	47,2	-	-	98,9
UAB „Cgates“	19,5	4,0	3,1	-
„Splius“, UAB	6,2	3,1	13,2	-
UAB „Balticum TV“	5,6	7,0	3,0	-
UAB „Init“	5,1	-	76,4	-
UAB „Penkių kontinentų komunikacijų centras“	5,1	-	-	-
UAB „Kauno interneto sistemos“	2,3	-	-	-
AB Lietuvos radiojo ir televizijos centras	-	45,8	-	-
UAB „Baltnetos komunikacijos“	-	2,6	-	-
KLI LT, UAB	-	3,8	-	-
Other providers	9,1	33,7	4,3	1,1
Total number of providers	53	55	10	8

Table 71. The number of service users by technologies, in thousand units, and their changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total number	845,6	851,9	857,8	812,6	801,0	797,4	798,8	798,9	793,7	-0,6	-0,9
• Consumers	787,0	793,8	799,3	763,3	752,8	749,0	750,9	749,7	745,3	-0,6	-1,0
• Other service users	58,6	58,1	58,4	49,3	48,2	48,4	47,9	49,2	48,4	-1,6	0,5

Table 71a. FTTx

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total	530,8	536,9	545,3	551,3	553,1	557,9	565,6	570,9	572,2	0,2	3,4
• Consumers	496,6	503,0	510,5	521,9	523,5	526,9	534,1	538,5	540,0	0,3	3,2
• Other service users	34,1	34,0	34,8	29,4	29,7	31,0	31,4	32,3	32,2	-0,4	8,6
FTTB	299,7	300,4	303,2	303,3	300,7	299,8	301,8	300,9	298,8	-0,7	-0,6
• Consumers	282,5	283,5	285,8	291,3	289,0	286,9	288,7	287,0	284,7	-0,8	-1,5
• Other service users	17,3	16,9	17,4	12,0	11,7	12,8	13,1	13,9	14,1	1,7	20,1
FTTH	231,1	236,6	242,2	248,1	252,4	258,2	263,8	270,0	273,4	1,3	8,3
• Consumers	214,2	219,5	224,7	230,6	234,5	240,0	245,4	251,5	255,3	1,5	8,9
• Other service users	16,9	17,1	17,4	17,5	17,9	18,2	18,4	18,5	18,1	-2,0	1,1

Table 71b. xDSL

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total	162,1	160,2	157,3	153,2	149,5	146,1	143,2	141,0	138,5	-1,7	-7,3
• Consumers	148,4	147,0	144,7	141,5	138,6	135,7	133,1	130,8	128,9	-1,5	-7,0
• Other service users	13,8	13,1	12,6	11,7	10,9	10,4	10,0	10,1	9,7	-4,6	-11,4

Table 71c. Wireless communications

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total	112,2	114,1	114,6	72,3	63,3	59,4	57,2	54,3	53,8	-1,0	-15,1
• Consumers	102,7	104,3	104,8	65,3	56,9	53,5	51,8	48,8	48,2	-1,1	-15,2
• Other service users	9,4	9,7	9,8	7,0	6,4	5,9	5,4	5,5	5,5	-0,1	-13,9
WIMAX	46,5	38,7	30,1	20,7	13,1	7,6	3,9	2,4	0,6	-75,3	-95,4
• Consumers	43,4	36,0	27,7	18,8	11,8	6,7	3,6	2,3	0,6	-74,0	-95,0
• Other service users	3,0	2,7	2,3	1,9	1,3	0,8	0,3	0,2	0,0	-94,7	-99,4
Wi Fi	50,2	51,3	51,0	49,5	48,2	49,8	51,3	49,9	51,2	2,6	6,2
• Consumers	46,9	47,8	47,6	44,5	43,2	44,9	46,4	44,7	45,8	2,6	6,1
• Other service users	3,3	3,4	3,4	5,0	5,0	4,9	5,0	5,2	5,4	2,9	7,5

Table 71d. CaTV network

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total	30,4	30,5	29,9	26,8	26,0	25,3	25,0	24,3	23,3	-4,3	-10,3
• Consumers	30,1	30,2	29,6	26,5	25,6	25,0	24,7	24,1	23,0	-4,4	-10,2
• Other service users	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	-1,9	-17,2
including: by using DOCSIS3.0 technology	14,2	15,6	16,5	17,3	17,5	17,7	18,0	18,4	18,4	0,2	5,5
• Consumers	14,2	15,5	16,4	17,2	17,4	17,7	18,0	18,3	18,3	0,2	5,5
• Other service users	0,0	0,0	0,1	0,1	0,1	0,1	0,1	0,1	0,1	3,2	0,0

Table 71e. UTP and STP lines

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total	9,6	9,8	10,2	8,5	8,6	8,2	7,4	7,9	5,5	-31,0	-36,3
• Consumers	9,1	9,3	9,7	8,1	8,2	7,8	7,1	7,5	5,2	-30,4	-36,1
• Other service users	0,5	0,5	0,5	0,4	0,4	0,4	0,3	0,4	0,2	-41,1	-41,1

Table 71f. Other lines

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total	0,4	0,5	-0,4	7,0							
• Consumers	0,0	0,0	9,7	0,0	0,0	0,0	0,0	0,0	0,0	-	-
• Other service users	0,4	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	-0,4	7,0

Table 72. The structure of service users by service providers, %, and changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	46,9	46,8	46,9	49,6	50,4	50,9	51,3	51,6	52,0	0,4	1,5
UAB „Cgates“	8,9	9,0	9,2	13,5	13,7	14,3	14,5	14,5	14,4	-0,1	0,6
UAB „Init“	6,0	5,9	5,8	6,0	6,0	6,0	6,0	5,9	5,9	0,0	-0,1
„Splius“, UAB	4,4	4,4	4,5	4,8	4,8	4,9	5,0	5,1	5,1	0,0	0,3
UAB „Balticum TV“	4,7	4,6	4,5	4,7	4,8	4,8	4,7	4,6	4,6	0,0	-0,2
UAB „Penkių kontinentų komunikacijų centras“	3,8	3,7	3,6	3,9	3,7	3,7	3,7	3,7	3,7	0,0	0,0
AB Lietuvos radio ir televizijos centras	10,2	10,2	10,2	5,9	4,9	4,1	3,6	3,4	3,1	-0,3	-1,8
Other providers	15,2	15,5	15,3	11,6	11,6	11,3	11,2	11,3	11,3	0,0	-0,3

Table 73. The structure of service users by downstream speed, in units, 2018 IIQ

	FTTB	FTTH	xDSL	Wireless communications	CaTV network	UTP/STP	By other means	Total
More than 100 Mbps	235 960	114 346	11	48	12 480	99	39	362 983,0
From 30 Mbps to 100 Mbps	50 084	158 759	2 611	2 707	5 960	2 877	106	223 104,0
From 10 Mbps to 30 Mbps	8 967	258	112 813	20 926	2 281	350	134	145 729,0
From 2Mbps to 10 Mbps	3 477	21	23 086	29 227	1 409	1 845	152	59 217,0
Until 2 Mbps	324	1	26	866	1 141	293	59	2 710,0
Total	298 812	273 385	138 547	53 774	23 271	5 464	490	793 743,0

Table 74. The structure of service users by downstream speed, %, and changes of market shares, in percentage points, 2018 IIQ

Speed	Market share	Quarterly change	Annual change	Share of all households	Quarterly change	Annual change
Until 2 Mbps	0,3	-0,1	-0,8	0,2	-0,1	-0,5
From 2Mbps to 10 Mbps	7,5	-4,0	-9,0	4,4	-2,4	-6,1
From 10 Mbps to 30 Mbps	18,4	3,0	6,0	10,8	1,7	3,0
From 30 Mbps to 100 Mbps	28,1	0,4	0,1	16,6	0,1	-1,2
More than 100 Mbps	45,7	0,8	3,7	27,0	0,3	0,2

Table 75. Revenue according to technologies, mill. Eur, and their changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total revenue	24,86	24,86	25,20	24,30	23,85	23,46	23,40	23,42	23,50	0,34	-1,47
• Consumers	19,63	19,69	19,88	19,18	18,80	18,40	18,34	18,37	18,44	0,35	-1,93
• Other service users	5,23	5,17	5,32	5,12	5,05	5,06	5,06	5,05	5,06	0,28	0,23

Table 75a. FTTx

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total	16,07	16,19	16,44	16,62	16,51	16,35	16,54	16,71	16,98	1,61	2,80
• Consumers	12,65	12,65	12,91	13,09	13,01	12,75	12,90	13,07	13,26	1,44	1,92
• Other service users	3,42	3,55	3,54	3,54	3,51	3,60	3,64	3,64	3,72	2,21	6,07
FTTB	7,01	6,94	6,92	6,96	6,72	6,72	6,74	7,03	6,99	-0,62	3,95
• Consumers	5,73	5,55	5,59	5,58	5,40	5,38	5,38	5,62	5,52	-1,88	2,27
• Other service users	1,28	1,39	1,33	1,38	1,33	1,34	1,36	1,41	1,47	4,40	10,80
FTTH	9,06	9,25	9,52	9,66	9,79	9,63	9,81	9,67	9,99	3,23	2,00
• Consumers	6,92	7,09	7,31	7,50	7,61	7,37	7,52	7,44	7,74	3,95	1,67
• Other service users	2,14	2,16	2,20	2,16	2,18	2,26	2,28	2,23	2,25	0,83	3,18

Table 75b. xDSL

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total	4,68	4,61	4,51	4,37	4,26	4,15	4,02	3,92	3,80	-3,15	-10,94
• Consumers	3,75	3,74	3,69	3,62	3,57	3,52	3,46	3,37	3,32	-1,69	-7,00
• Other service users	0,93	0,87	0,82	0,75	0,70	0,63	0,57	0,55	0,48	-12,13	-31,05

Table 75c. Wireless communications

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total	3,10	3,21	3,22	2,31	2,09	1,94	1,81	1,74	1,79	2,89	-14,12
• Consumers	2,55	2,64	2,64	1,83	1,64	1,51	1,39	1,32	1,36	3,01	-16,90
• Other service users	0,55	0,56	0,58	0,48	0,45	0,43	0,42	0,42	0,43	2,53	-4,07
WIMAX	0,89	0,74	0,56	0,40	0,26	0,15	0,07	0,04	0,02	-49,74	-93,11
• Consumers	0,81	0,68	0,51	0,36	0,23	0,13	0,06	0,03	0,02	-38,06	-92,30
• Other service users	0,08	0,06	0,06	0,05	0,03	0,02	0,01	0,01	0,00	-94,77	-98,81
Wi Fi	1,78	1,83	1,83	1,82	1,76	1,72	1,68	1,64	1,71	4,15	-2,97
• Consumers	1,49	1,53	1,52	1,42	1,35	1,32	1,27	1,23	1,29	4,09	-4,65
• Other service users	0,29	0,30	0,31	0,41	0,42	0,40	0,41	0,41	0,43	4,34	2,48

Table 75d. CaTV network

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total	0,53	0,52	0,51	0,44	0,42	0,46	0,44	0,43	0,41	-4,95	-3,67
• Consumers	0,52	0,51	0,50	0,43	0,41	0,45	0,43	0,42	0,40	-5,04	-3,77
• Other service users	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,21	0,13	-	-

Table 75e. UTP and STP lines

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total	0,18	0,18	0,19	0,24	0,21	0,21	0,20	0,21	0,12	-43,93	-43,05
• Consumers	0,15	0,15	0,15	0,21	0,18	0,18	0,17	0,19	0,11	-43,54	-38,94
• Other service users	0,03	0,03	0,04	0,03	0,03	0,03	0,03	0,02	0,01	-47,77	-66,49

Table 75f. Other lines

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total	0,29	0,15	0,33	0,31	0,35	0,36	0,39	0,41	0,41	-0,02	15,95
• Consumers	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-	-
• Other service users	0,29	0,15	0,33	0,31	0,35	0,36	0,39	0,41	0,41	-0,02	15,95

Table 76. ARPU according to the manner of access, EUR per month, and their changes, %, 2016 IIQ — 2018 IIQ

Manner of access	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
FTTx	10,09	9,99	10,05	10,05	9,95	9,77	9,75	9,75	9,89	1,38	-0,63
xDSL	9,63	9,59	9,56	9,51	9,51	9,46	9,60	9,27	9,14	-1,46	-3,90
Wireless communications	9,22	9,37	9,36	10,66	10,99	10,86	10,54	10,70	11,11	3,87	1,06
CaTV network	5,80	5,69	5,64	5,52	5,43	6,02	5,90	5,87	5,83	-0,63	7,43
UTP and STP lines	6,30	6,07	6,28	9,47	8,19	8,44	8,80	9,02	7,33	-18,76	-10,53
Other lines	222,77	109,30	238,31	223,26	254,22	253,09	280,49	274,46	275,53	0,39	8,38
In all ways	8,41	8,37	8,45	9,37	9,22	9,34	9,26	9,77	9,87	0,99	7,02

Table 77. Revenue according to service providers, %, and changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	56,16	56,84	56,82	58,76	60,12	61,39	61,70	60,50	61,12	0,62	1,00
UAB „Cgates“	6,04	5,92	5,91	8,34	7,78	7,91	7,93	9,25	8,94	-0,31	1,16
AB Lietuvos radio ir televizijos centras	8,49	8,82	8,71	5,68	4,99	4,45	4,00	3,73	3,65	-0,08	-1,34
UAB „Balticum TV“	5,02	4,55	4,77	3,66	3,74	3,79	3,72	3,69	3,66	-0,03	-0,08
UAB „Init“	3,64	3,63	3,55	4,75	4,64	3,76	3,65	3,50	3,36	-0,14	-1,28
UAB „Baltinetos komunikacijos“	3,03	3,08	3,09	3,17	3,27	3,38	3,42	3,45	3,48	0,03	0,21
„Splius“, UAB	3,02	3,01	2,94	3,09	3,24	3,31	3,32	3,32	3,33	0,01	0,09
UAB „Penkių kontinentų komunikacijų centras“	3,24	3,12	3,01	3,04	2,87	2,72	2,80	2,77	2,63	-0,14	-0,24
Other providers	11,37	11,03	11,20	9,50	9,35	9,30	9,45	9,78	9,83	0,05	0,49

Table 78. The number of service users of Internet access services, provided using fixed broadband technologies, per 100 population in European countries, in units, 2018 IQ

No.	European country	Penetration	Annual change	No.	European country	Penetration	Annual change	No.	European country	Penetration	Annual change
1.	Switzerland	46,0	1,0	13.	Greece	32,7	1,2	25.	Bulgaria	24,8	1,1
2.	France	43,7	0,9	14.	Spain	31,6	1,0	26.	Latvia	24,4	1,1
3.	Denmark	43,6	0,6	15.	Czech	31,5	2,3	27.	Romania	23,6	1,9
4.	Netherlands	42,2	0,0	16.	Finland	30,9	-0,2	28.	Russia	21,5	2,1
5.	Norway	41,6	1,5	17.	Hungary	30,3	1,5	29.	Poland	19,2	0,6
6.	Germany	40,4	1,3	18.	Slovenia	30,1	0,7	30.	Macedonia	18,8	0,4
7.	UK	40,0	0,6	19.	Austria	29,4	0,1	31.	Moldova	17,3	0,8
8.	Sweden	38,9	1,4	20.	Ireland	28,6	0,4	32.	Serbia	16,7	1,8
9.	Belgium	37,7	0,7	21.	Lithuania	28,4	-1,7	33.	Montenegro	10,9	-0,4
10.	Belarus	36,1	3,3	22.	Italy	27,8	2,0	34.	Uktaina	9,2	-0,1
11.	Portugal	35,1	2,1	23.	Croatia	27,0	1,7				
12.	Estonia	34,3	3,6	24.	Slovakia	26,0	1,4				

* 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 2018 IIQ with 2018 I.
 - Annual change – change comparing 2018 IIQ with 2017 IIQ.
 - Revenue (unless otherwise stated) include the total revenue earned from data transmission services.

Table 79. Number of service providers, in units, and their changes, in units, 2016 IIQ — 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Number of service providers	16	16	16	17	17	17	17	18	17	-1	0

Table 80. Numbers of users, for whom retail data transmission services are provided, in thousands units, and their changes. %, 2016 IIQ - 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Number of service users	17,3	17,2	17,2	12,2	12,2	12,2	12,4	12,4	12,4	-0,3	1,2

* until 2017 I Q retail and wholesale customers were not distinguished.

Table 81. The number of wholesale central access provided at a fixed location for mass-market products, in units, 2016 IIQ — 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Wholesale access provided	1574	1548	1725	1758	1862	1 914	2 138	2 661	3604	35,4	93,6
xDSL technology					1351	1327	1 207	1 223	1 172	-2,5	-13,9
“Ethernet” technology				417	535	707	915	1 489	2461	65,3	360,0

Table 82. Revenue, mill. Eur, and their changes, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Retail revenue	3,78	3,75	3,82	3,97	4,44	4,34	3,46	3,52	3,60	2,2	-18,9
Wholesale revenue	1,39	1,42	1,46	1,45	1,54	1,29	2,40	2,30	2,35	1,9	52,1
Total revenue	5,17	5,17	5,28	5,42	5,98	5,64	5,86	5,82	5,95	2,1	-0,6

Table 83. Revenue by service providers, %, and changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	74,61	74,57	74,75	74,13	70,83	70,95	68,45	67,45	66,51	-0,94	-4,32
UAB „Bitė Lietuva“	6,15	5,94	5,96	1,69	5,72	5,87	10,31	11,37	11,79	0,42	6,07
Viešoji įstaiga „Plačiajuostis internetas“	8,32	8,50	8,88	10,61	9,62	10,42	9,06	9,15	9,12	-0,03	-0,50
UAB Duomenų logistikos centras	4,45	4,45	3,78	8,09	8,98	7,54	5,43	5,77	5,92	0,15	-3,06
Other providers	6,47	6,54	6,63	5,48	4,86	5,22	6,75	6,27	6,66	0,40	1,80

Table 84. The number 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, %, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
SIM cards	192,9	186,9	187,5	229,3	233,2	246,1	251,0	274,8	279,6	1,7	19,9
UAB „Bitė Lietuva“	34,5	36,4	37,0	30,9	31,3	30,3	28,4	30,5	29,7	-0,8	-1,6
„Telia Lietuva“, AB	42,0	45,0	46,6	55,4	55,2	54,8	56,2	53,3	53,6	0,3	-1,6

UAB „Tele2“	23,4	18,5	16,3	13,7	13,5	14,9	15,4	16,2	16,7	0,6	3,2
Other providers	0,1	0,1	0,1	0,0	0,0	0,0	0,0	0,0	0,0	-	-
Revenue	639,2	646,9	670,4	678,5	751,6	715,2	750,1	771,8	833,2	8,0	10,8
UAB „Bitė Lietuva“	41,5	42,2	43,1	41,1	38,6	40,7	39,2	43,7	41,8	-1,9	3,2
„Telia Lietuva“, AB	43,0	42,5	43,1	44,5	47,9	46,7	44,7	45,6	46,9	1,3	-1,0
UAB „Tele2“	15,6	15,3	13,8	14,4	13,5	12,6	16,1	10,8	11,3	0,6	-2,2

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 2018 IIQ with 2018 I.
 - Annual change – change comparing 2018 IIQ with 2017 IIQ.
 - Revenue (unless otherwise stated) include the total revenue earned from pay-TV services.

Table 85. Number of service providers, in units, and their changes, in units, 2016 IIQ — 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Service providers	41	41	42	40	41	40	39	39	39	0	-2

Table 86. The structure of service users according to the methods of receiving the service, in thousands units, and their changes, %, 2016 IIQ — 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
CaTV	386,0	381,0	377,4	379,7	375,9	377,1	372,1	366,7	360,6	-1,7	-4,1
- digital CaTV	152,1	152,5	164,0	181,8	183,0	193,7	202,0	208,7	211,1	1,2	15,4
IPTV	192,6	198,5	206,1	211,9	216,3	221,8	229,4	235,1	240,7	2,4	11,3
Satellite TV	77,5	74,9	73,6	71,7	70,1	68,4	66,2	64,2	62,0	-3,4	-11,6
DVB-T	45,3	43,7	39,6	37,3	35,9	33,6	31,8	29,9	27,1	-9,4	-24,5
MMDS	11,6	10,9	10,8	10,5	10,4	10,0	9,9	9,7	9,5	-2,3	-9,2
Total	713,0	709,0	707,4	711,0	708,6	710,9	709,4	705,6	699,9	-0,8	-1,2

Table 87. The structure of pay-TV service users according to the methods of receiving the service, %, and changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
CaTV	54,1	53,7	53,3	53,4	53,1	53,0	52,5	52,0	51,5	-0,4	-1,5
IPTV	27,0	28,0	29,1	29,8	30,5	31,2	32,3	33,3	34,4	1,1	3,9
Satellite TV	10,9	10,6	10,4	10,1	9,9	9,6	9,3	9,1	8,9	-0,2	-1,0
DVB-T	6,3	6,2	5,6	5,3	5,1	4,7	4,5	4,2	3,9	-0,4	-1,2
MMDS	1,6	1,5	1,5	1,5	1,5	1,4	1,4	1,4	1,4	0,0	-0,1

Table 88. Service users' structure by service providers, %, and changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	30,8	31,6	32,1	32,3	32,7	33,1	33,8	34,3	34,8	0,5	2,1
UAB „Cgates“	16,2	15,9	16,1	20,3	20,3	21,0	20,7	20,4	20,3	-0,2	-0,1
UAB „Init“	12,1	11,9	11,4	10,8	10,5	10,5	10,1	9,9	9,6	-0,3	-0,9
UAB „Balticum TV“	10,9	10,8	10,7	10,4	10,4	10,1	10,0	9,9	9,8	-0,1	-0,5
AS TV Play Baltics	10,9	10,6	10,4	10,1	9,9	9,6	9,3	9,1	8,9	-0,2	-1,0
„Splius“, UAB	6,1	6,1	6,1	6,1	6,1	6,1	6,3	6,4	6,5	0,1	0,4
Other providers	13,1	13,1	13,1	10,0	10,1	9,6	9,8	10,0	10,1	0,1	0,1

Table 89. Structure of users of CaTV services by service providers, %, and changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
UAB „Cgates“	29,0	28,8	29,4	35,6	35,9	37,3	37,3	37,1	37,2	0,1	1,2
UAB „Init“	21,5	21,4	20,7	20,2	19,8	19,7	19,2	19,0	18,6	-0,5	-1,2
UAB „Balticum TV“	19,3	19,3	19,3	18,6	18,5	18,2	18,1	17,9	17,9	-0,1	-0,7
„Splius“, UAB	10,9	11,1	11,2	11,5	11,5	11,5	11,9	12,3	12,6	0,3	1,1

UAB „Parabolė“	2,1	2,1	2,1	2,1	2,1	2,2	2,2	0,0	0,1
Other providers	19,4	19,5	19,4	12,1	12,2	11,2	11,4	11,5	11,6

Table 90. Structure of users of IPTV services by service providers, %, and changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	91,3	91,6	91,7	91,2	91,1	91,0	90,7	90,4	90,2	-0,2	-0,9
UAB „Penkių kontinentų komunikacijų centras“	6,9	6,6	6,4	6,1	5,8	5,6	5,4	5,1	4,9	-0,2	-0,9
Other providers	1,8	1,8	1,9	2,8	3,0	3,4	3,9	4,4	4,8	0,4	1,8

Table 91. Structure of users of other pay-TV services by service providers, %, 2016 IIQ — 2018 IIQ

Service providers	Satellite TV				DVB-T				MMDS		
	AS TV Play Baltics				„Telia Lietuva“, AB (98,5%)				UAB „Cgates“ (74,1%) UAB „Balticum TV“ (25,9%)		

Table 92. Revenue according to the methods of receiving the service, mill. Eur, and their changes, %, 2016 IIQ — 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
CaTV	6,74	6,76	6,78	6,98	7,01	6,83	6,90	6,95	6,90	-0,67	-1,50
IPTV	4,99	5,27	5,51	5,87	5,93	6,04	6,33	5,80	6,72	16,01	13,40
Satellite TV	2,87	2,87	2,79	2,73	2,75	2,69	2,67	2,64	2,24	-15,25	-18,44
DVB-T	1,09	1,06	0,99	0,97	0,92	0,88	0,84	0,80	0,74	-8,42	-20,09
MMDS	0,28	0,27	0,27	0,26	0,26	0,25	0,25	0,25	0,25	-0,66	-3,31
Total	15,95	16,23	16,33	16,81	16,87	16,69	17,00	16,45	16,86	2,49	-0,06

Table 93. Revenue by service providers, %, and changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	37,50	38,30	38,90	39,68	39,48	40,17	40,70	38,30	42,27	3,97	2,79
UAB „Cgates“	14,20	13,90	14,40	17,45	17,73	18,08	18,53	19,40	18,78	-0,62	1,05
AS TV Play Baltics	18,00	17,70	17,10	16,25	16,29	16,11	15,70	16,08	13,29	-2,78	-3,00
UAB „Init“	10,00	9,80	9,40	8,77	8,58	7,87	7,62	7,86	7,71	-0,15	-0,87
UAB „Balticum TV“	8,60	8,50	8,20	8,00	7,97	7,86	7,55	7,77	7,44	-0,34	-0,54
„Splius“, UAB	4,10	4,10	4,10	4,04	4,07	4,14	4,09	4,27	4,19	-0,08	0,11
Other providers	7,60	7,80	7,90	5,81	5,87	5,76	5,82	6,32	6,32	0,00	0,45

Table 94. Revenue, received from CaTV services, by service providers, %, and changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
UAB „Cgates“	30,73	30,57	31,87	38,90	39,57	42,18	43,67	44,02	44,02	-0,01	4,45
UAB „Init“	23,76	23,43	22,67	21,10	20,65	18,53	18,09	17,93	18,16	0,22	-2,49
UAB „Balticum TV“	19,13	19,16	18,57	18,10	18,03	18,03	17,63	17,32	17,01	-0,31	-1,01
„Splius“, UAB	9,68	9,85	9,89	9,73	9,81	9,81	9,73	9,75	9,86	0,12	0,06
Other providers	16,70	17,00	17,01	12,16	11,95	11,95	10,89	10,97	10,95	-0,02	-1,01

Table 95. Revenue, received from IPTV services, by service providers, %, and changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	37,39	97,90	97,60	97,27	96,92	96,65	96,06	94,95	95,13	0,18	-1,78
UAB „Penkių kontinentų komunikacijų centras“	-	-	-	-	-	2,03	2,26	2,82	2,62	-0,20	-
Other providers	62,61	2,10	2,40	2,73	3,08	1,31	1,68	2,23	2,25	0,02	-0,83

Table 96. Revenue, received from other pay-TV services, by service providers, %, 2016 IIQ — 2018 IIQ

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

6.2. Television and Radio Programmes Transmission Services

Table 97. Service providers, 2018 IIQ

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

Table 98. Revenue, mill. Eur, and their changes, %, 2016 IIQ — 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
Total revenue received from the provision of radio and television transmission services	1,24	1,11	1,18	1,10	1,09	1,11	1,11	1,07	1,01	-5,64	-7,29
Television transmission	0,96	0,83	0,89	0,82	0,81	0,83	0,82	0,79	0,78	-1,39	-4,11
Radio transmission	0,28	0,29	0,29	0,28	0,28	0,28	0,28	0,28	0,23	-17,45	-16,49

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 ducts and other access to the physical infrastructure.
- The terms and abbreviations used in this section of the report:
 - Quarterly change – change, comparing 2018 IIQ with 2018 IQ.
 - Annual change – change comparing 2018 IIQ with 2017 IIQ.
 - Revenue (unless otherwise stated) include the total revenue earned from wholesale access services.

Table 99. Number of service providers according to the groups of access services provided, in units, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II
WLR	-	-	-	1	1	1	1	1	1
Fully unbundled access	1	1	1	2	2	2	2	2	2
Shared access	1	1	1	1	1	1	1	1	1
Access to <i>Dark Fiber</i>	15	15	15	14	14	14	14	14	14
Access to ducts	-	-	-	2	2	2	2	2	2
Total	15								

Table 100. Number of accesses provided by service groups, in units, and RKKS, km, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
WLR	-	-	-	1 704	1 668	1 738	663	785	854	8,8	-48,8
Fully unbundled access:	107	63	49	124	101	40	31	28	21	-25,0	-79,2
- to local twisted metallic pair line	-	-	-	124	99	38	29	26	19	-26,9	-80,8
- to local fibre line	-	-	-	0	2	2	2	2	2	0,0	0,0
- to local STP or local UTP line	-	-	-	0	0	0	0	0	0	-	-
Shared access	19	17	15	43	40	13	10	9	8	-11,1	-80,0
Access to <i>Dark Fiber</i>	2 956	2 945	2 761	2 795	3 216	2 880	2 832	2 907	2 926	0,7	-9,0
Access to ducts, km	-	-	-	8 609	8 688	8 737	8 766	8 742	8 832	1,0	1,7

Table 101. Revenue by service groups, mill. Eur, 2016 IIQ – 2018 IIQ

	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
WLR	-	-	-	0,002	0,003	0,002	0,003	0,003	0,004	12,74	49,93
Fully unbundled access:	-	-	-	0,007	0,006	0,006	0,006	0,006	0,006	2,68	-3,81
- to local twisted metallic pair line	-	-	-	-	0,001	0,001	0,001	0,001	0,001	19,58	-19,88
- to local fibre line	-	-	-	-	0,005	0,005	0,005	0,005	0,005	0,00	0,00
- to local STP or local UTP line	-	-	-	-	-	-	-	-	-	-	-
Shared access	-	-	-	-	-	-	-	-	-	-	-
Access to <i>Dark Fiber</i>	1,32	1,31	1,37	1,29	1,28	1,27	1,24	1,25	1,33	6,41	4,22
Access to ducts	-	-	-	0,70	0,71	0,71	0,71	0,70	0,73	4,33	2,35
Other	-	-	-	0,09	0,09	0,09	0,10	0,09	0,10	14,57	14,60
Total revenue	1,32	1,31	1,37	2,08	2,09	2,07	2,06	2,05	2,17	6,04	4,04

Table 102. Structure of revenue from access to physical infrastructure services by service providers, %, and changes of market shares, in percentage points, 2016 IIQ — 2018 IIQ

Service providers	2016 II	2016 III	2016 IV	2017 I	2017 II	2017 III	2017 IV	2018 I	2018 II	Quarterly change	Annual change
„Telia Lietuva“, AB	37,41	36,35	39,52	58,89	58,72	58,55	59,61	58,58	61,77	5,44	5,20
UAB „Skaidula“	38,92	39,23	37,91	26,04	26,02	25,82	24,33	25,03	23,80	-4,93	-8,54
Viešoji įstaiga „Plačiajuostis internetas“	15,50	16,11	15,61	10,17	10,01	10,18	10,46	10,68	9,95	-6,80	-0,63
UAB Duomenų logistikos centras	4,77	4,81	3,75	2,46	2,72	2,83	3,01	3,02	1,97	-34,59	-27,58
Other providers	3,40	3,50	3,21	2,43	2,53	2,61	2,60	2,70	2,51	-6,91	-0,73

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