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 2016

2017-03-29 No. LD-873
Vilnius

CONTENT

1. GENERAL OVERVIEW OF THE ELECTRONIC COMMUNICATIONS MARKET

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 2016, as well as on other information available to the Communications Regulatory Authority (RRT) (the information of the *Statistics Lithuania*, company *Point Topic Ltd*., FTTH Council Europe and iDATE is used in the report).

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 tables and figures is rounded to one decimal place (on revenues and investment – two decimal places), the total sum of the market shares not in all charts and tables in this report is exactly100 percent.

In total, 140 service providers was engaged in electronic communications activities in the fourth quarter of 2016, most of them carried out several electronic communications activities.

Table 1. The number of electronic communications operators and service providers

Electronic communications activity	The number of electronic communications operators and service providers, Quarter IV of 2016
Public fixed communication network and public fixed telephone services	42
Public mobile communication network and public mobile telephone services	16
Leased lines services	8
Internet access services	103
Other data transmission services (excluding Internet access and Leased lines services)	16
Dark fibre provision	15
Television services (pay-TV)	42
Radio and television programmes transmission services	4

In the fourth quarter of 2016, electronic communications market according to revenue from the provision of public fixed communication network and public fixed telephone services, public mobile communication network and public mobile telephone services, leased lines services, Internet access and other data transmission, physical optical fibre, television, radio and television programs transmission services and revenue from the networks interconnection, **in comparison with the third quarter of 2016, increased by 1,3% and constituted EUR 168,45 million** (see Table 2). Most (37,30%) of the revenue were received from the provision of public mobile communication networks and public mobile telephone services (see Fig. 1).

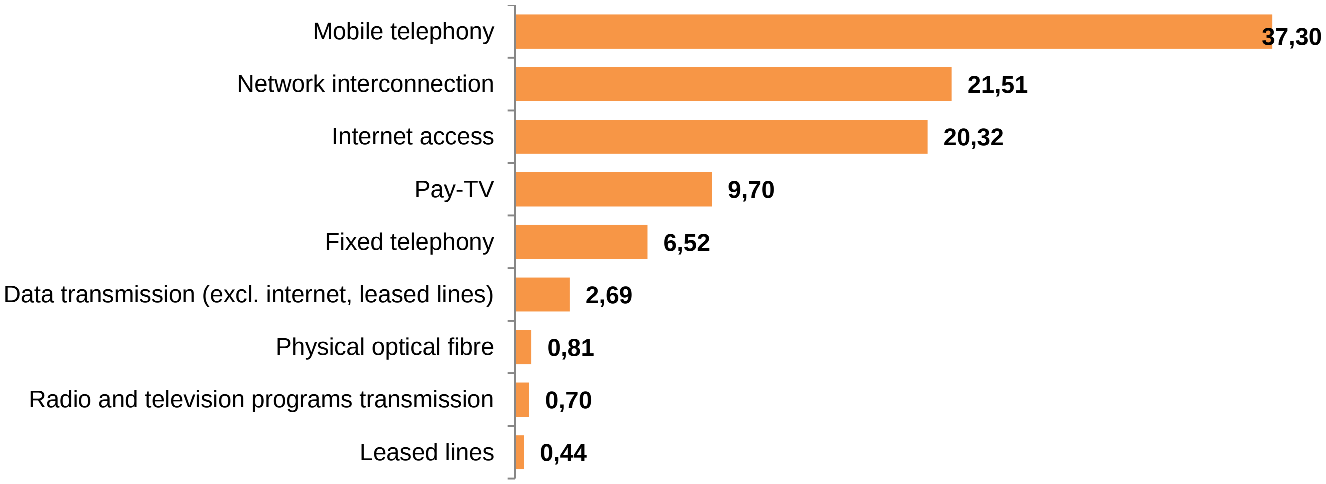


Fig. 1. Distribution of revenues by markets for the fourth quarter of 2016, in % (total revenues EUR 168,45 million)

In comparison with the year 2015, in the year 2016 the market increased by EUR 30,0 million (4,8%) (See Fig. 2).

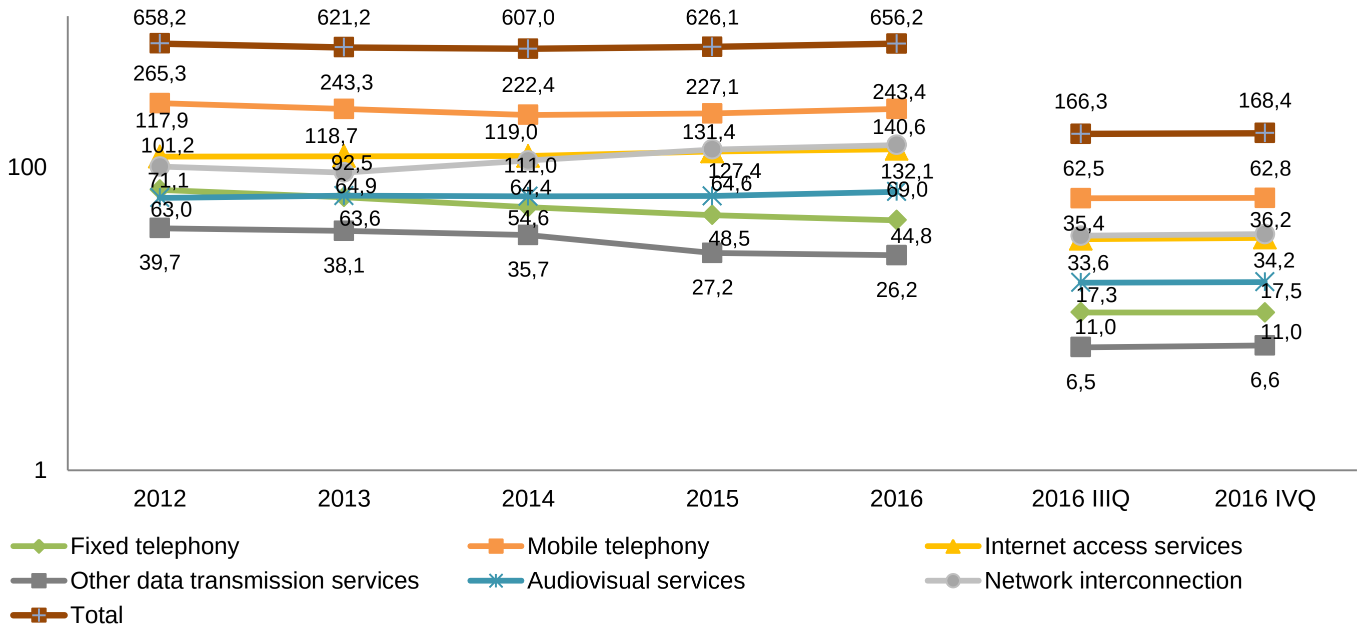


Fig. 2. Change of the electronic communication market according to the revenues, EUR million, 2012 – 2016

The structure of electronic communication market (according to the revenues) have changed: decreased the part of fixed telephony (from 10,80% in 2012 to 6,82% in 2016), the part of mobile telephony (decreased from 40,31 in 2012 to 37,10 in 2016), and increased the part of Internet access (from 17,91% to 20,14%), TV and radio (CaTV, MDTV, IPTV DVB-T, satellite TV, radio and television programs transmission) (from 9,57% to 10,52%) (see fig. 3).

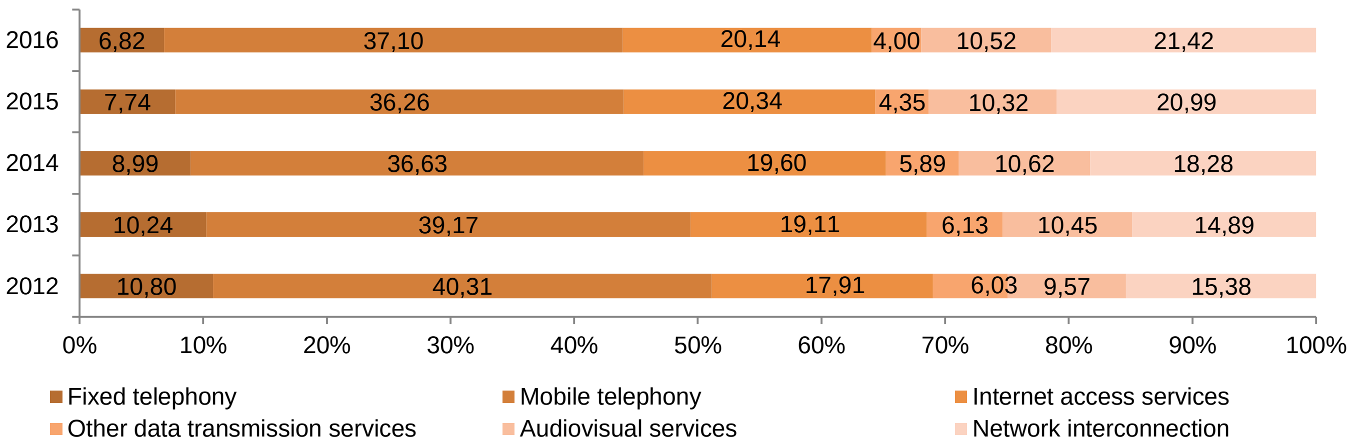
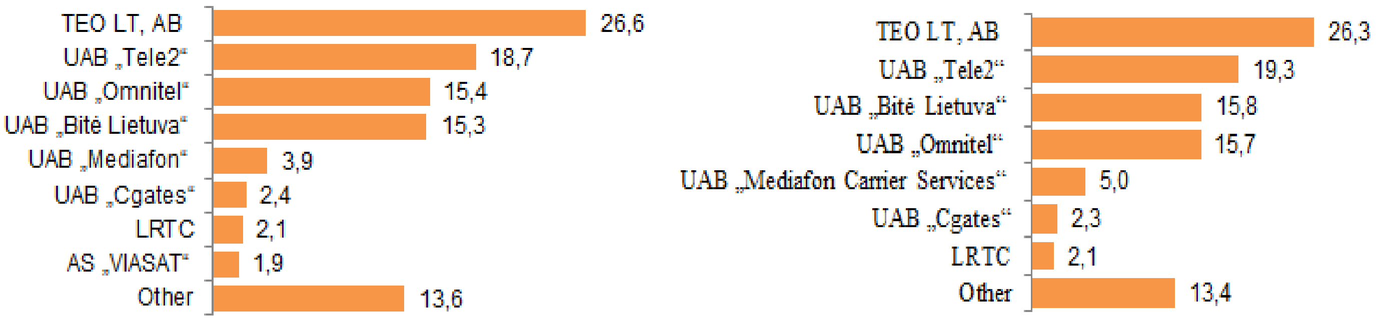


Fig. 3. Distribution of the revenues according to the electronic communication markets, %, 2012 - 2016

Estimating according to the revenues, received from the provision of all the aforementioned electronic communications services, in 2016 seven companies occupied a market share larger than 2%, the market share of all the other operators and providers of electronic communications services (134 companies) amounted to approximately 13,4%.



2015 2016

Fig. 4. Distribution of the electronic communications market against operators (estimating according to the revenues, received in 2015 and 2016), %.

In the fourth quarter of 2016, 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 2016, the investments into the electronic communications network infrastructure increased by 36,9%, comparing with the third quarter of 2016, and amounted to EUR 24,50 million. As compared with the year 2015, the investments into the electronic communications network infrastructure in the year 2016 increased 24,0% (see Fig. 3).

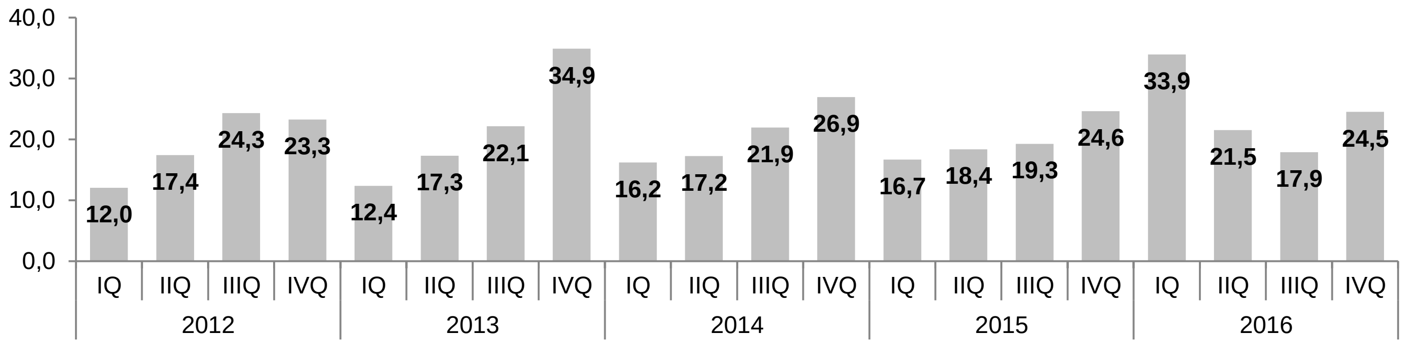


Fig. 3. Investments into the electronic communication network infrastructure 2012 IQ–2016 IVQ, EUR million

Table 2. Summarized indicators of the main electronic communications activities

Name of indicator	Quarter IV of 2016	Quarter III of 2016	Change in comparison with IIIQ of 2016, %	*2015*	*2016*	Change in comparison with year 2015, %
1. Total number of fixed telephone subscribers, in units	**529.888**	**540.602**	-1,98	**560.790**	**529.888**	-5,51
2. Number of fixed telephone lines (including ISDN channels), total, in units	**521.893**	**531.725**	-1,85	**553.368**	**521.893**	-5,69
3. Number of lines per 100 population	**18,3**	**18,6**	-0,3	**19,1**	**18,3**	-0,8
4. Number of active mobile telephone subscribers, in units	**4.204.692**	**4.238.731**	-0,80	**4.184.053**	**4.204.692**	0,49
5. Number of active mobile telephone subscribers per 100 population	**147,6**	**148,2**	-0,6	**144,8**	**147,6**	2,8
6. Number of broadband Internet access subscribers, in units	**1.274.838**	**1.247.369**	2,20	**1.187.148**	**1.274.838**	7,39
7. Number of broadband Internet access subscribers per 100 population	**44,7**	**43,6**	1,1	**41,1**	**44,7**	3,6
8. Number of TV services subscribers (pay-TV)	**707.388**	**709.014**	-0,23	**722.327**	**707.388**	-2,07
9. Number of digital TV (pay-TV) subscribers per 100 household	**55,6**	**55,5**	0,1	**56,7**	**55,6**	-1,1
10. Revenue, in thousand EUR	**168.447**	**166.337**	1,27	**626.143**	**656.182**	4,80
including: fixed telephone	**10.988**	**11.013**	-0,23	**48.466**	**44.782**	-7,60
mobile telephone	**62.834**	**62.534**	0,48	**227.051**	**243.441**	7,22
leased lines	**746**	**866**	-13,87	**4.255**	**3.417**	-19,69
Internet access services	**34.225**	**33.578**	1,93	**127.365**	**132.140**	3,75
data transmission services (excl. Internet access and leased lines)	**4.537**	**4.302**	5,45	**17.534**	**17.486**	-0,27
provision of physical optical fibre	**1.366**	**1.310**	4,30	**5.429**	**5.344**	-1,58
television	**16.333**	**16.234**	0,61	**60.303**	**64.339**	6,69
radio and television programmes transmission services	**1.185**	**1.112**	6,53	**4.341**	**4.667**	7,52
networks interconnection	**36.234**	**35.387**	2,39	**131.399**	**140.566**	6,98
11. Investments, in thousand EUR	**33.693**	**29.883**	12,75	**98.361**	**128.097**	30,23
including the investments into the electronic communication network infrastructure	**24.500**	**17.900**	36,87	**78.883**	**97.837**	24,03

**** in percentage points***

The main information on the electronic communication market (Quarter IV of 2016)

- 140 undertaking was engaged in electronic communications activities in the fourth quarter of 2016, most of them (more than 40%) carried out several activities of electronic communications.
- Electronic communications market (according to revenues) in the fourth quarter of 2016, in comparison with the third quarter of 2016, increased by 1,3%, and constituted EUR 168,45 million. In comparison with the year 2015, in the year 2016 it increased by 4,8% (EUR 30,0 million).
- In the fourth quarter of 2016, 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 2016, the investments into the electronic communications network infrastructure amounted to EUR 24,50 million. Mainly in the fourth quarter of 2016 invested „Teo LT“, AB into broadband communication network.
- The broadband penetration (subscribers per 100 population) was 44,7%, and during the fourth quarter it increased by 1,1 percentage point, during the year – 3,6 percentage point.
- At the end of the fourth quarter of 2016, 42,4% of households could use 30Mbps and higher speed of the Internet, including 18,1% which could use higher speed than 100 Mbps (at the end of the fourth quarter of 2015 these figures were accordingly 39,2% and 11,5%).
- During the fourth quarter of 2016, total number of Internet service subscribers using fibre-optic communication lines was 545,2, during the fourth quarter this number increased by 1,5% (8,3 thousand new connections), during the year – 5,4%.
- 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 2016 totalled 2.409,0 thousand (1,6% more comparing with previous quarter and 8,2% more comparing with the fourth quarter of 2015).
- The total number of subscribers that used LTE (Long Term Evolution) technology-based Internet access services, during the fourth quarter of 2016 this number increased by 12,8%, during the year – by 2,1 times and was 1.184,2 thousand.
- During the year the number of LTE base stations increased by 62,6% and at the end of fourth quarter of 2016 there were 3.739 LTE base stations.
- In the fourth quarter of 2016, in comparison with the third quarter of 2016, the amount of data sent and received by using the GPRS/EDGE, UMTS, UMTS HSDPA, LTE technologies increased by 18,5% and amounted to approximately 22.282 terabytes (TB). Comparing with the year 2015, in the year 2016 their number increased more than 2 times.
- At the end of the fourth quarter of 2016, 707,4 thousand subscribers (i. e. 55,6% of all households) used pay television (pay-TV) services. During the fourth quarter the number of pay-TV subscribers decreased by 0,2%. 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 2016, the number of IPTV subscribers increased by 3,8%, during the year – by 14,5%, and totalled 206,1 thousand, i. e. 29,1% of all pay-TV subscribers.

2. FIXED TELEPHONY

43 companies were engaged in the activities of the fixed public telephone communication in the fourth quarter of 2016. Totally 33 companies specified that their fixed telephone services were provided by using IP, in the fourth quarter of 2016 one new service provider began to provide IP telephony services.

36 service providers provided retail fixed telephony services, other 7 provided only wholesale (network interconnection or other) services.

As of 31 December 2016 fixed telephone services of 9 service providers (the number of providers who concluded agreements with „Teo LT", AB) could be selected by individual selection (by dialling the operator code 10xx), 6 of them could be used by carrier pre-selection[1] as well. Actually 3 service providers provided public fixed telephone services by using the individual selection, including UAB „CSC Telecom", UAB „Nacionalinis telekomunikacijų tinklas" which introduced carrier pre-selection..

Retail fixed telephony communication services

Retail fixed telephony communication services include retail calls and other retail fixed telephone communication services.

Revenues. Total revenue from the provision of retail public fixed networks and public fixed telephone services constituted EUR 10,80 million, revenue of Other[2] service providers of fixed telephone communication during the fourth quarter of 2016 was EUR 0,90 million, or 8,36% (see Fig. 4). As compared with the last quarter, total revenue of the providers of fixed telephone communication decreased by 0,5%, revenue of the Other service providers increased by 14,3%. As compared with the year 2015, the total revenue of the providers of fixed telephone communication in the year 2016 decreased by 7,6%, revenue of the Other providers increased by 16,9%.

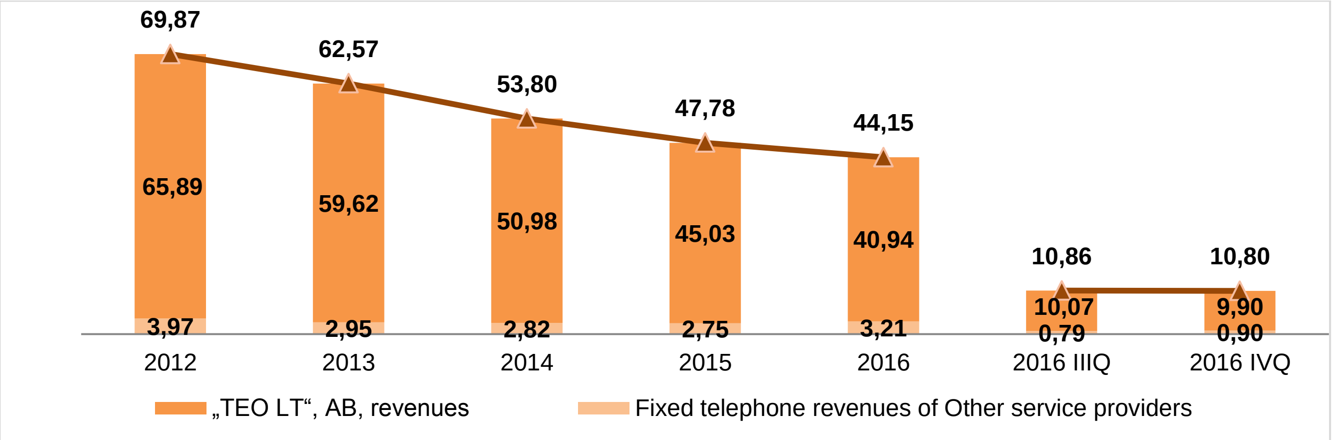


Fig. 4. Structure of the retail revenues, received from the provision of the public fixed telephone services, according to the service providers, EUR million, 2012 – 2016

The distribution of revenues, received from the initiated in the individual operators networks calls, according to types of calls are given in Table 3.

Table 3. Market shares of public fixed communication services providers by revenue from initiated calls according to types of calls, %, 2016 IVQ

Types of calls	„Teo LT", AB	UAB „CSC Telecom"	UAB „Baltnetos komunikacijos"	UAB „TCG Telecom"	Other (market share less than 2%)
Local calls	100,0	-	-	-	-
Long distance calls	87,8	3,2	3,7	-	4,9
International calls	59,8	8,0	18,3	6,9	7,0
Calls to mobile communication networks	89,0	3,0	3,0	-	5,0

[1] It means the possibility to use the provider's services automatically, i. e. without dialling the operator code and without executing any other carrier selection procedure when calling.
[2] All 34 fixed telephone service providers, excluding „Teo LT", AB.

Average revenue generated from a minute of the public fixed network telephone call (all revenues received from the relevant calls per quarter divided by the number of the relevant minutes) in the fourth quarter of 2016 amounted 5,48 euro ct (see Fig. 5).

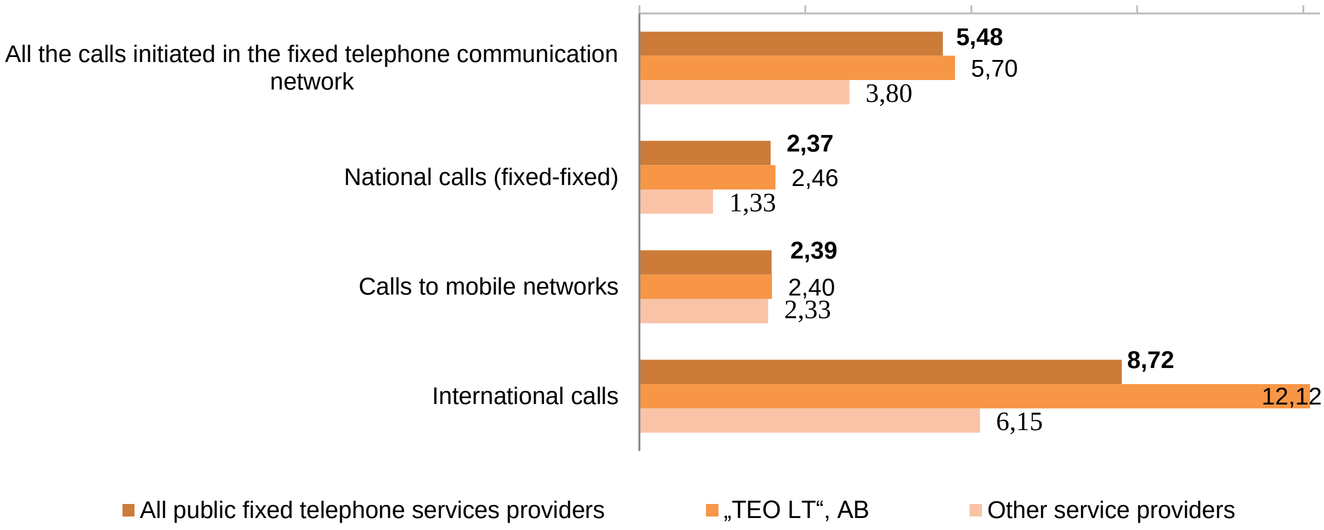


Fig. 5. Average revenue generated from a minute of the public fixed network telephone call by types of calls, euro ct/min., 2016 IVQ

Subscribers and number of telephone lines. Total number of subscribers of public fixed telephone services at the end of the fourth quarter of 2016 totalled 529,9 thousand (including 87,7% of „TEO LT“, AB, 4,0% of UAB „CSC Telecom“, 2,2% of UAB „Baltnetos komunikacijos“, 3,4% of the companies that provide fixed telephony services of UAB „Nacionalinis telekomunikacijų tinklas“). The number of subscribers of Other service providers of fixed public telephone services at the end of the fourth quarter of 2016 totalled 65,1 thousand and during the quarter their number decreased by 0,04%. From the end of the fourth quarter of 2015, the number of the subscribers of Other service providers increased by 6,0%.

Other service providers of public fixed telephone services at the end of the fourth quarter of 2016 occupied 12,3% market share in terms of subscribers and 8,36% market share in terms of revenue (see Fig. 6).

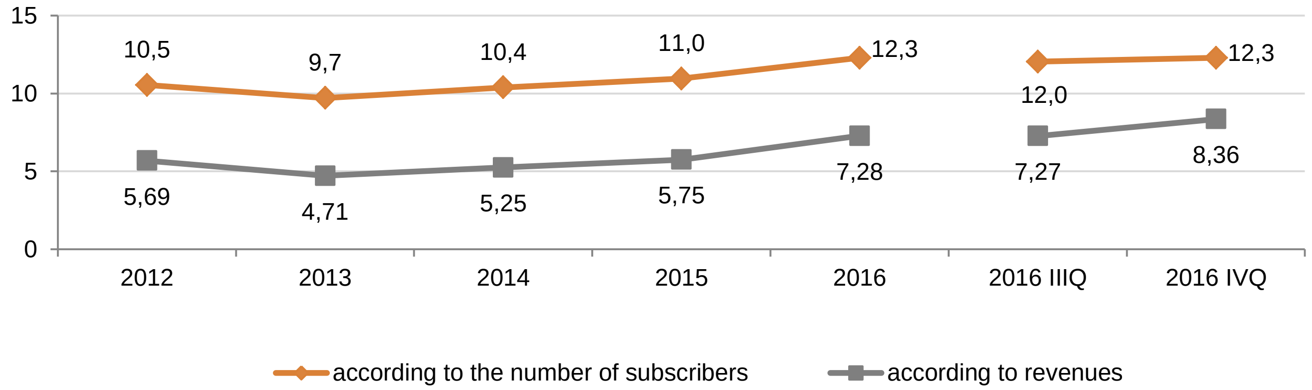


Fig. 6. Change of market share of other fixed public telephone services providers according to the number of subscribers and revenue, %, 2012 - 2016

During the fourth quarter of 2016, the total number of telephone lines decreased by 9,8 thousand or 1,8% (see Table 4). During the year the number of telephone lines decreased by 31,5 thousand or 5,7% (see Table 4).

Table 4. The number of lines used for provision public fixed telephone services, thousand, 2012 IVQ – 2016 IVQ

	2012-12-31	2013-12-31	2014-12-31	2015-12-31	2016-09-30	2016-12-31
Total number of own telephone lines, thousand	**659,8**	**614,5**	**574,5**	**553,4**	**531,7**	**521,9**
- „Teo LT“, AB	604,2	564,1	524,7	499,3	475,5	464,8
- Other service providers	55,7	50,4	49,8	54,0	56,2	57,0
Number of lines provided using the access, provided by other electronic communications operators, thousand	15,6	10,3	11,0	7,4	8,9	8,0
Total number of public fixed telephone services subscribers, thousand	**675,4**	**624,8**	**585,5**	**560,8**	**540,60**	**529,8**

During the fourth quarter of 2016, the number of telephone lines per 100 population decreased by 0,3 percentage point and in the 31 December 2016 it constituted 18,3 lines per 100 population – 31,6 lines per 100 households. During the year penetration decreased by 0,8 percentage point (see Fig. 7).

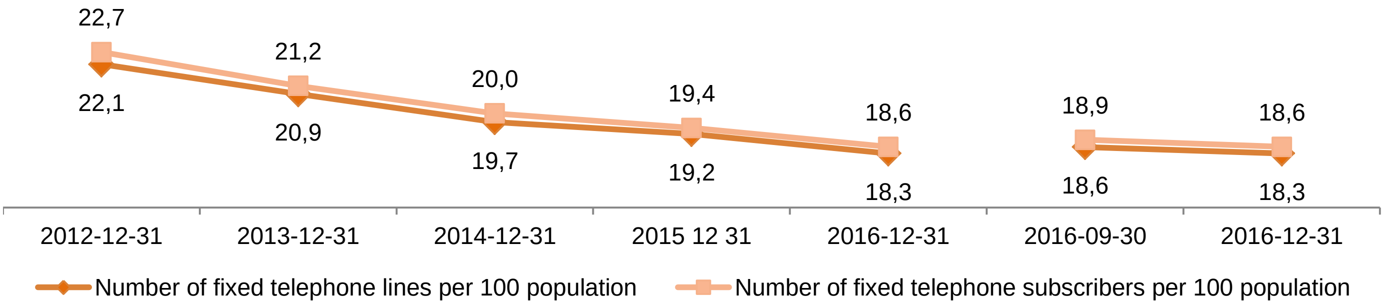


Fig. 7. Change of the fixed telephone penetration 2012 IVQ-2016 IVQ, thousand[3]

Retail fixed telephone communication services were mostly provided by twisted metallic pair lines by using PSTN, ISDN technologies (see Table 5).

Table 5. Fixed telephone lines structure according to technologies, thousand, IVQ 2016

	„Teo LT“, AB	**Other service providers**	**All provides**
Number of own telephone lines, thousand	**464,8**	**57,1**	**521,9**
Twisted metallic pair lines (PSTN)	362,2	14,4	376,6
ISDN channels	25,2	11,2	36,4
Wireless communication lines	19,7	4,9	24,5
Cable television network lines	0,0	0,6	0,6
Data transmission network lines	58,0	26,0	83,7

Other service providers provided fixed telephone services to 87,7% (57,1 thousand) subscribers by using their lines, the remaining subscribers 12,3% (8,0 thousand) were provided the services by using the access, provided by other electronic communications operators.

Retail public fixed telephone communication services were also provided by cable television network lines and data transmission network lines using IP technologies. At the end of the fourth quarter of 2016, 89,7 thousand subscribers used telephony services provided by using IP protocol (84,3 thousand by using their own lines and 5,4 thousand by using the access, provided by other electronic communications operators).

According to the data provided by „Teo LT“, AB, during the fourth quarter of 2016 about 1,1[4] thousand end users used selection of service provider (through 10XX and pre-selection).

[3] The fixed-line telephone subscribers include the lines (subscribers) using other electronic communications operators' access.
[4] According to the data provided by „Teo LT“, AB

Number portability. Until 31 December 2016, 59.149 subscribers had their numbers transferred to other networks by using the fixed telephone number portability service. During the fourth quarter 3.289 fixed telephone numbers were transferred (5,9% more than in the third quarter of 2016) (see Table 6).

Table 6. Number portability, in units, IVQ 2016

Service providers	*Transferred into the network*	*Transferred to other network*	*Difference*
UAB „Nacionalinis telekomunikacijų tinklas“	**608**	**48**	**560**
UAB „Mediafon Carrier Services“	**338**	**7**	**331**
UAB „CSC Telecom“	**1118**	**1004**	**114**
AB Lietuvos radijo ir televizijos centras	**129**	**20**	**109**
UAB „Ecofon“	**77**	**0**	**77**
AB „Lietuvos geležinkeliai“	**0**	**1**	**-1**
Voxbone SA	**0**	**7**	**-7**
UAB „Telekomunikacijų grupė“	**1**	**27**	**-26**
„TEO LT“, AB	**1018**	**2175**	**-1157**

Duration of the calls. The total duration of the calls initiated in public fixed telephone networks in the fourth quarter of 2016 increased by 7,6%, comparing with the previous quarter, and constituted 196,0 million minutes, including 173,4 million minutes (88,5%), which were initiated in the network of „Teo LT“, AB. As compared with the year 2015, the total duration of the calls in the year 2016 decreased by 8,1%, the duration of the calls initiated by Other service providers increased by 25,9%.

During the fourth quarter of 2016, Other service providers initiated 11,5% of all initiated fixed calls:

- 57,0% international calls (including: 16,5% – UAB „TCG Telecom“, 21,6% – UAB „Baltnetos komunikacijos“, 9,3% – UAB „CSC Telecom“, 2,4% – UAB „Nacionalinis telekomunikacijų tinklas“, 2,0% – UAB „Peoplefone“, other providers had less than 2%);
- 23,3%[5] of long-distance calls (including: 10,0% – UAB „Nacionalinis telekomunikacijų tinklas“, 6,3% – UAB „CSC Telecom“, 2,1% – UAB „Baltnetos komunikacijos“);
- 11,3% calls to mobile telephone networks (including: 3,8% – UAB „CSC Telecom“, 3,8% – UAB „Nacionalinis telekomunikacijų tinklas“, 2,7% – UAB „TCG Telecom“, other providers had less than 2%)
- 1,8% over service and short numbers;
- 1,2% of local calls.

The total duration of the calls initiated by using the Internet protocol (IP) in the fourth quarter of 2016 constituted 12,73 million minutes (6,5% of all initiated fixed telephony calls), including 3,61 million minutes of international calls (32,6% of all international calls). In comparison with the third quarter of 2016, the total duration of IP initiated calls increased by 17,0%.

The average call duration for one consumer of public fixed telephone services per month (duration of calls initiated during the quarter divided by the total number of consumers at the end of the quarter and the number (3) of months) amounted to 125,2 minutes, for one business subscriber – 118,7 minutes (see Table 7 below).

Table 7. Duration of calls initiated in public fixed networks per relevant subscriber per month according to the types of calls and types of users, min/month, 2016 IVQ

Types of calls	**Types of users**	**„Teo LT“, AB**	**Other service providers**	**All fixed telephony providers**
All calls initiated in the fixed network	consumers	127,6	86,5	125,2
	business subscribers	114,2	129,9	118,7
National calls	consumers	93,4	62,2	91,7
	business subscribers	76,6	51,0	69,3
Calls to mobile networks	consumers	32,4	15,8	31,5
	business subscribers	28,8	35,0	30,5
International calls	consumers	1,7	8,5	2,1
	business subscribers	8,9	43,9	18,8

[5] Long distance calls included in the own network and calls to other fixed public communications networks.

The average call duration per one fixed telephone subscriber per month during the year 2016, in comparison with the year 2015, decreased by 4,3% and was 122 minutes 18 s.. The average call duration per one subscriber of „Teo LT“, AB per month decreased by 7 minutes 12 s and was 122 minutes 18 s (see Fig.8).

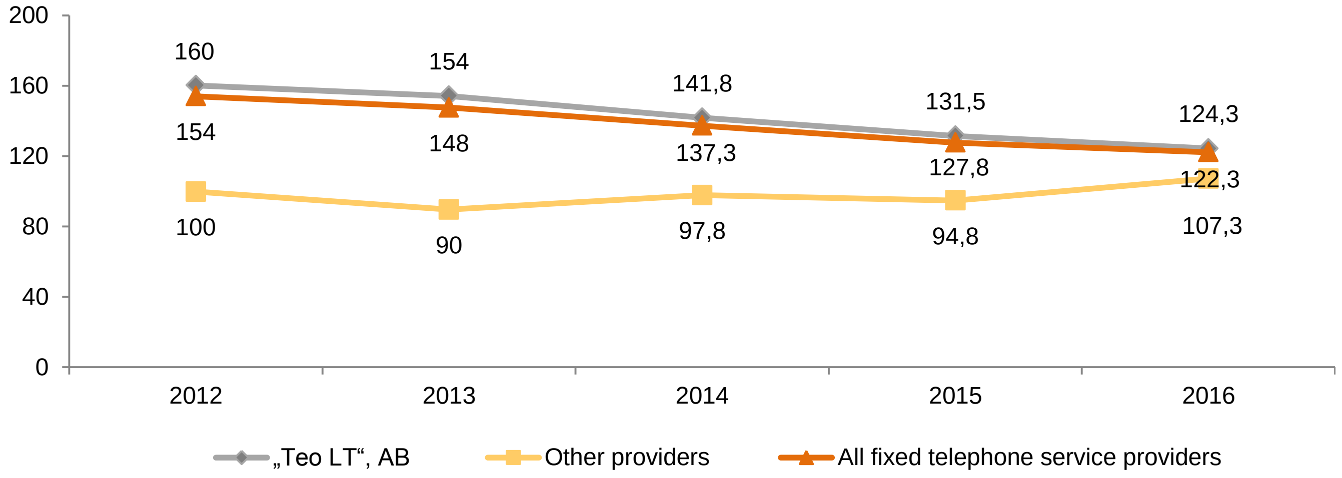


Fig. 8. Average duration of calls initiated by public fixed telephone subscriber per month according to service providers min/month, 2012 – 2016

Payphone calls. „Teo LT“, AB is the only company providing the payphone services. The total duration of calls from payphones in the fourth quarter of 2016, in comparison with the third quarter of 2016, decreased by 5,7% and was 0,22 million minutes. During the quarter the number of payphones decreased by 4,4% (45 payphones), during the year their number decreased by 12,9% and was 983. The average duration of calls made from one payphone in the fourth quarter of 2016 per month amounted to approximately 75 minutes (1 minutes less, comparing with the third quarter of 2016).

The total duration of calls, initiated by service providers that used carrier selection service in the fourth quarter of 2016 increased by 1,7%, compared with the third quarter of 2016, and amounted 648,0 thousand minutes.

Wholesale fixed telephony communication services

In the fourth quarter of 2016, there were 4 companies engaged in the activities of the wholesale public fixed communication network and/or public fixed telephone services (excluding network interconnection activities). Revenues received from these activities in the fourth quarter of 2016, comparing with the third quarter of 2016, increased by 22,9% and constituted EUR 0,18 million, including 42,3% of “Teo LT”, AB, 54,7% of UAB “Nacionalinis telekomunikacijų tinklas”.

As of 31 December of 2016, two agreements on provision of unbundled access to the local loop service were signed (VĮ “Infostruktūra”, UAB “Baltnetos komunikacijos”) and “Teo LT”, AB was providing fully unbundled access[6] to 49 local loops and shared access[7] to 15 local loops.

[6] **Full unbundled access to the local loop** means the provision to a beneficiary of access to the local loop or local sub-loop of the operator bound by the procedure and conditions set out in the Electronic Communications Law, authorising the use of the full frequency spectrum of the physical circuit.

[7] **Shared access to the local loop** means the provision to a beneficiary of access to the local loop or local sub-loop of an operator bound by the procedure and conditions set out in this Law, authorising the use of the non-voice band frequency spectrum of the twisted metallic pair.

3. MOBILE COMMUNICATION

In the fourth quarter of 2016 the activities of public mobile network and/or public mobile telephone services were carried out by 8 undertakings[8]: UAB „Omnitel“, UAB „Bitė Lietuva“, UAB „Tele2“, UAB „Eurocom“, UAB „Teledema“, UAB „CSC Telecom“, UAB „Mediafon“, UAB „Mediafon Carrier Services“. 8 service providers (UAB „Alterkomas“, UAB „Autožvilgsnis“, UAB „Mavy studija“, UAB „Medium Group“, UAB „Metameda” ir ko, Reval Vara OÜ, UAB „Telemeta“, UAB „Transteleservis“) carried out the activities as the resellers.

Call termination in the mobile network services in the third quarter of 2016 were provided by UAB „Omnitel“, UAB „Bitė Lietuva“, UAB „Tele2“, UAB „CSC Telecom“ and UAB „Mediafon Carrier Services“.

Retail mobile communication services

Retail mobile communication services include voice calls, packet data services, short messages (SMS), multimedia messages (MMS), roaming services and other retail mobile telephone communication services.

Revenues. In the fourth quarter of 2016, total revenue from the provision of public mobile telephone services constituted EUR 61,80 million[9]. Revenue of UAB „Eurocom“, UAB „Teledema“, UAB „CSC Telecom“, UAB “Mediafon” and UAB “Mediafon Carrier Services” (hereinafter in this section of the report together - Other service providers) was EUR 1,52 or 2,48% of the total revenues (see Fig. 9).

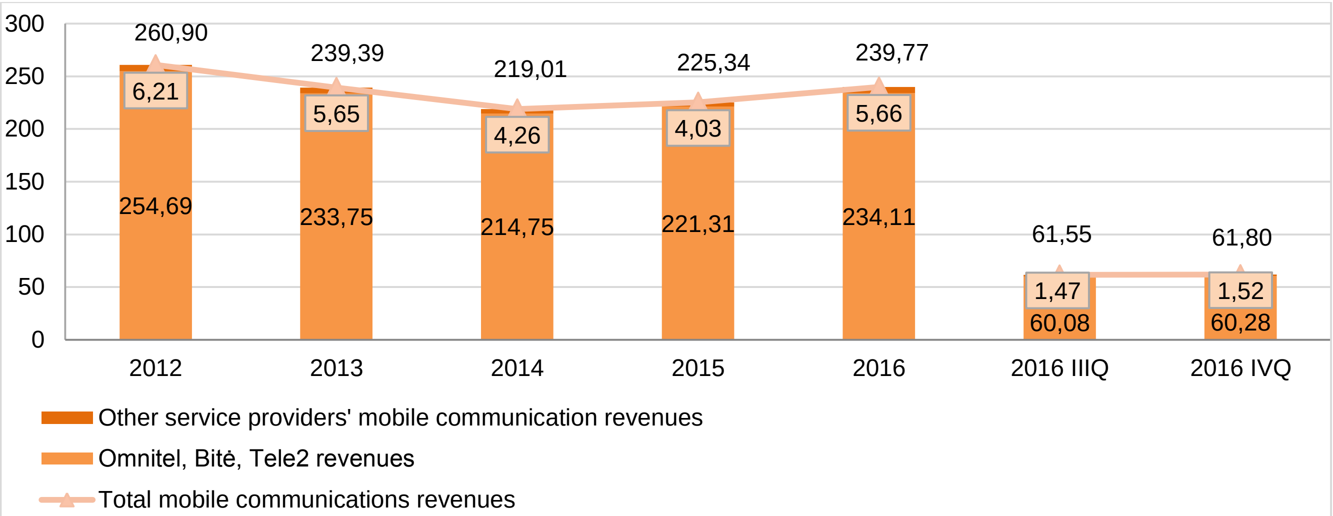


Fig. 9. Total revenues and Other service provider’s revenue from the provision of the public mobile telephone communication services 2012 - 2016, million EUR

In comparison with the third quarter of 2016, total revenue in the fourth quarter of 2016 increased by 0,4%, revenue of Other service providers increased by 3,4%. In comparison with the year 2015, mobile telephone market, according to the retail mobile telephone **communication services revenues, in the 2016 increased by 6,4%.**

Most of the retail mobile telephone communication services revenues (46,37%) were received from the provision of voice services (excluding roaming services) (see Table 8).

[8] Excluding resellers
[9] Excluding revenues, received from the provision of network interconnection and mobile Internet access by using computer services

Table 8. The structure of total revenue from the provision public mobile telephone communication services according to the type of services, %, IVQ 2016

Services	*Part of the total mobile telephone revenues*
Voice services	**46,37**
Packet data transmission services	**30,01**
SMS	**9,89**
Roaming services	**6,69**
MMS	**0,35**
Other services	**6,68**

UAB “Tele2“ received most of revenue from the provision of public mobile communication networks and services during the fourth quarter of 2016 (see Fig. 10).

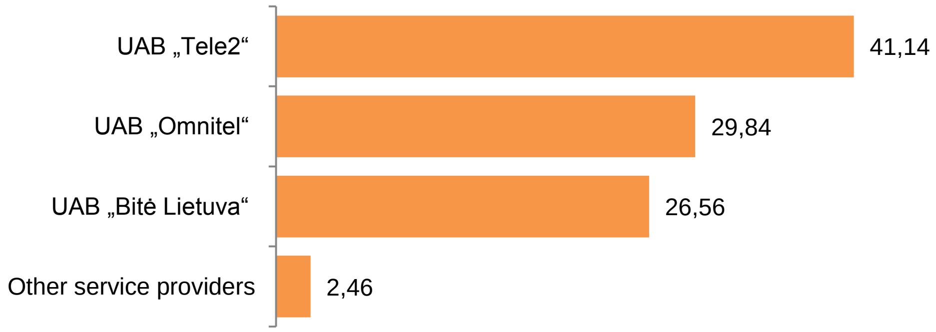


Fig. 10. The structure of total revenue from the provision public mobile telephone communication services according to the service providers, %, 2016 IVQ (total revenue – EUR 61,55 million)

Average revenue generated from one minute of a call initiated in the public mobile communication network in the fourth quarter of 2016 amounted 1,35 euro ct (see Fig. 11), in comparison with the third quarter of 2016, it decreased by 0,05 euro ct.

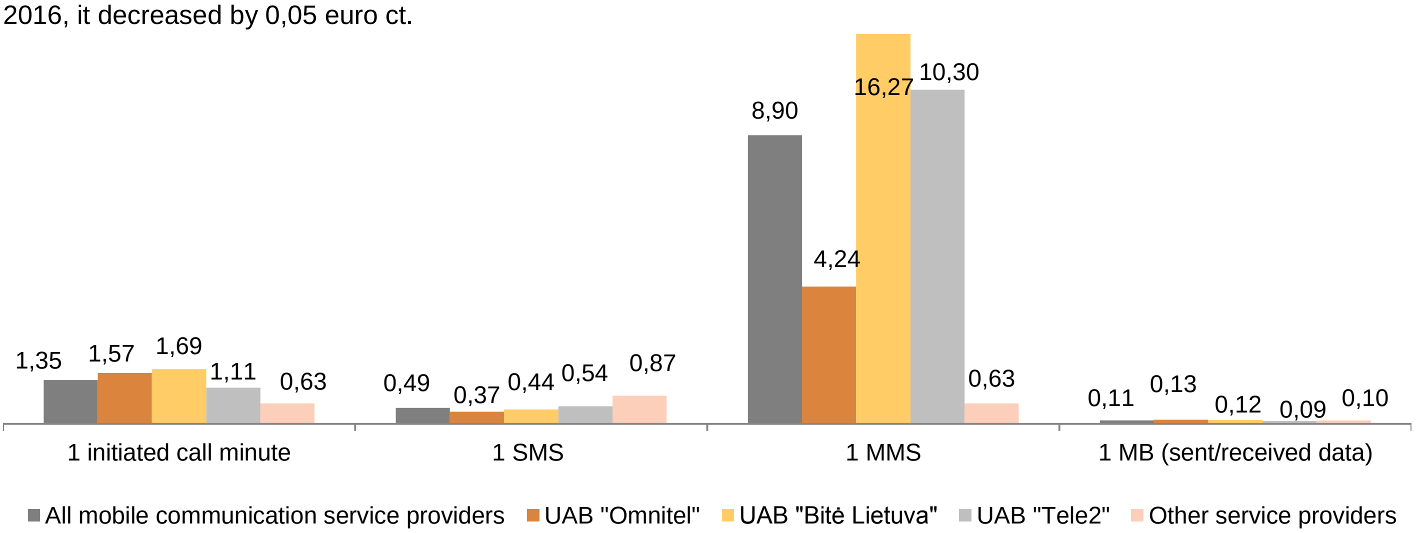


Fig. 11. Average revenue generated from one service unit (initiated call minute, SMS, MMS, 1 MB of sent/received data) according to the service providers, euro ct.[10], 2016 IVQ

ARPU (Average Revenues per User) **from retail public mobile telephone communications services.** The average revenue received from one subscriber of public mobile telephone services per month (all retail revenue received by a relevant provider per quarter divided by the total number of active subscribers of a relevant provider at the end of the quarter and the number of months) in the year 2016 in comparison with the year 2015, increased by 7,2% and was 4,76 EUR (see Fig. 12).

[10] The diagram provides the average revenue, generated by one service unit (ct.) and they do not meet price; in calculation the average revenues per 1 Mb, are included revenues from the subscribers, connected to the Internet through the mobile public telephone network using a computer

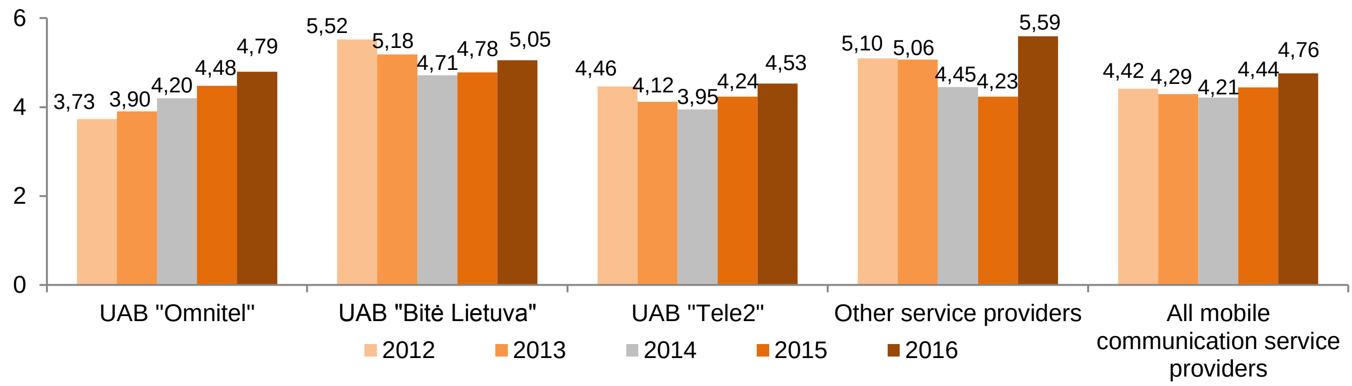


Fig. 12. Average revenue, received in providing public mobile voice services, SMS, MMS, data transmission, roaming out services from one subscriber per month, EUR, 2013 – 2016

The revenue received from subscribers using roaming services in the fourth quarter of 2016, in comparison with the third quarter of 2016, decreased by 1,6%. The revenue received from calls, made by subscribers using roaming services, in the year 2016, in comparison with the year of 2015, decreased by 25,0% (see Fig. 13).

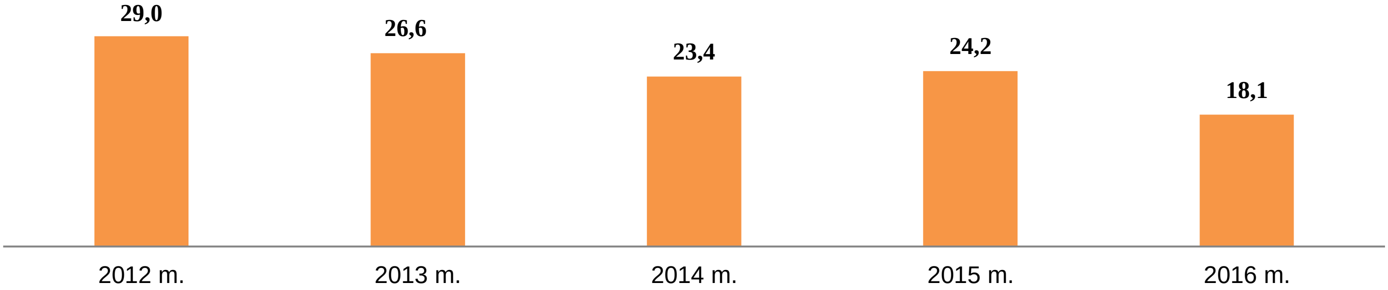


Fig. 13. Revenues, received from the subscribers using roaming services, million EUR, 2012- 2016

Number of subscribers. The number of active public mobile telephone services subscribers[11] during the fourth quarter of 2016 decreased by 0,8%, during the year – increased by 0,5% and on 31 December 2016, it was 4.204,7 thousand, i.e. 147,6 subscribers per 100 population (see Fig. 14). The number of subscribers of the other service providers increased by 5,2% during the quarter and on 31 December 2016 it totalled 89,2 thousand.

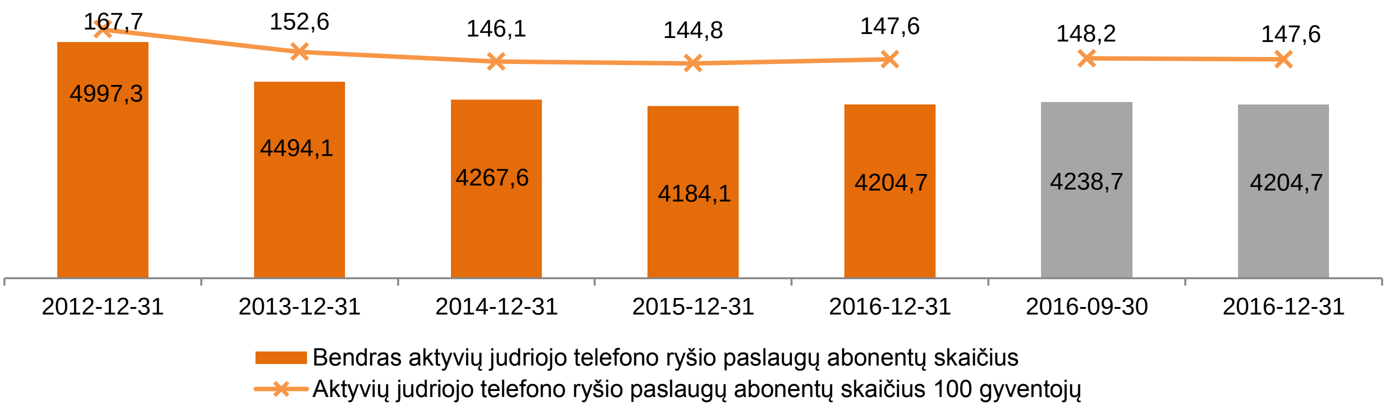


Fig. 14. The number of active mobile telephone services subscribers, in thousands, and penetration, in units per 100 population, 2012 – 2016

[11] Active subscriber – a subscriber which in the last 3 months period performed an electronic communications event (initiates or receives a call, SMS, MMS, data traffic or using any other service). In third part of the report the number of active subscribers corresponds to the number of active SIM cards

The majority of active mobile telephone services subscribers at the end of the fourth quarter of 2016 used the services of UAB "Tele2" (see Fig. 15).

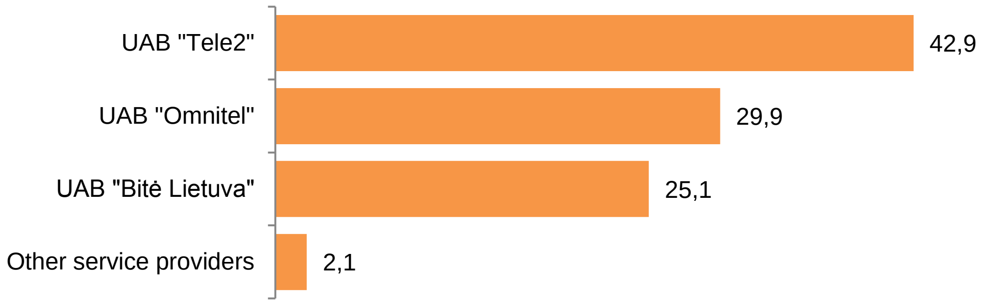


Fig. 15. Market shares of public mobile telephone services providers according to the number of active subscribers 2016 IVQ, % (total number of active subscribers – 4.204,7 thousand)

The number of active public mobile telephone services subscribers, who used UMTS (Universal Mobile Telecommunications System) services during the fourth quarter of 2016, was 2.668,2 thousand. This accounted 63,5% of all active public mobile telephone services subscribers and, in comparison with the previous quarter, it increased by 1,0%. Most of subscribers, who used UMTS services during the fourth quarter of 2016, used the services of UAB "Tele2" (see Fig. 16).

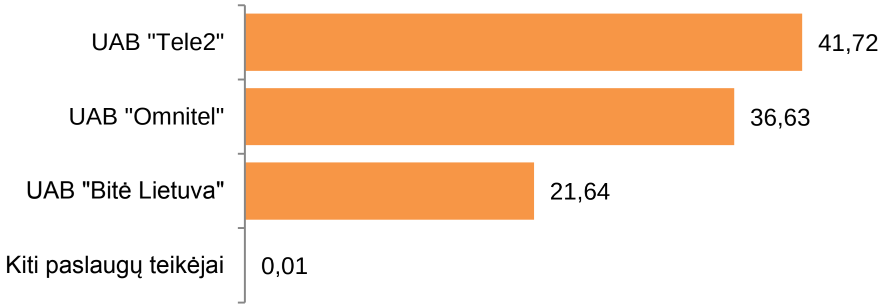


Fig. 16. The number of active mobile telephone services subscribers, who used UMTS services, according to the service providers, 2016 IVQ, % (total number of active subscribers – 2.668,2 thousand)

M2M services. 187,5 thousand of active mobile communications services subscribers were using M2M (Machine-to-machine or the machine or Man to machine, or Machine-to-Man) services, i.e. about 4,5% of all active mobile subscribers. During the fourth quarter of 2016, their number increased by 0,3%. 46,6% of subscribers who used M2M services were the subscribers of UAB "Omnitel", accordingly 37,0% subscribers of UAB "Bitė Lietuva", 16,3% of UAB "Tele2", 0,1% subscribers of Other service providers.

Number portability. Until 31 December 2016, 1.345,3 thousand subscribers had their numbers transferred to other networks by using the mobile telephone number portability service. During the fourth quarter 30,7 thousand telephone numbers were transferred (2,7% more than in the third quarter of 2016) (see Table 9).

Table 9. Number portability according to the service providers, in units, 2016 IIIQ

Service providers	*Transferred into the network*	*Transferred to other network*	Difference
UAB „Tele2"	13 445	8 977	4468
UAB „Omnitel"	6 858	9 994	-3136
UAB „Bitė Lietuva"	8 902	10 662	-1760
Other service providers	1 469	1 041	428

At the end of the fourth quarter of 2016, all subscribers of public mobile telephone services were distributed basing on the way of payment for services as follows: 63,6% of subscribers paid for the services against the bills, including 41,5% of consumers and 22,1% business subscribers; and 36,4% of pre-paid subscribers (see Table 10).

Table 10. Number of active public mobile telephone services subscribers, thousand, and their structure according to the service providers and way of payment, %, 2016 IVQ

	Active subscribers	Payment against the bills		Pre-payment
		Consumers	Business subscribers	
Total number of subscribers, thousand, in units	4 204,7	1 744,2	931,0	1 529,5
Market share,%:				
UAB „Omnitel“	29,9	32,6	41,0	20,0
UAB „Bitė Lietuva“	25,1	21,5	34,7	23,4
UAB „Tele2	42,9	42,7	20,8	56,6
Other service providers	2,1	3,2	3,5	0,1

The number of the active public mobile telephone services subscribers which used the pre-paid services in the fourth quarter of 2016 decreased by 4,5% (during the year it decreased by 6,5%), the number of subscribers paying for the services against the bills: the number of consumers increased by 1,7% (during the year it increased by 4,8%), the number of business subscribers increased by 1,0% (during the year it increased 5,4%) (see Fig. 17 - 20).

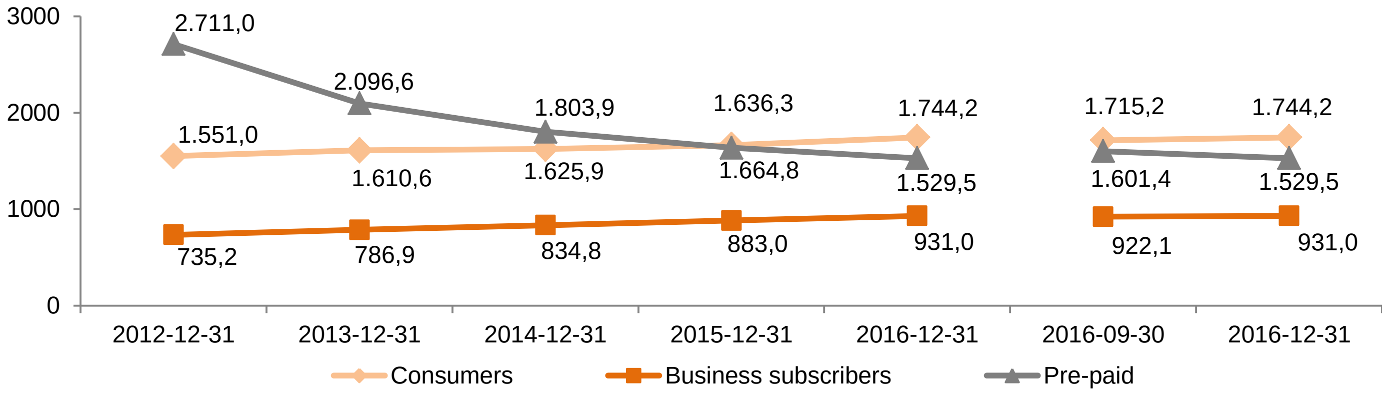


Fig. 17. The number of active public mobile telephone services subscribers according to the ways of payment, thousand 2012 – 2016

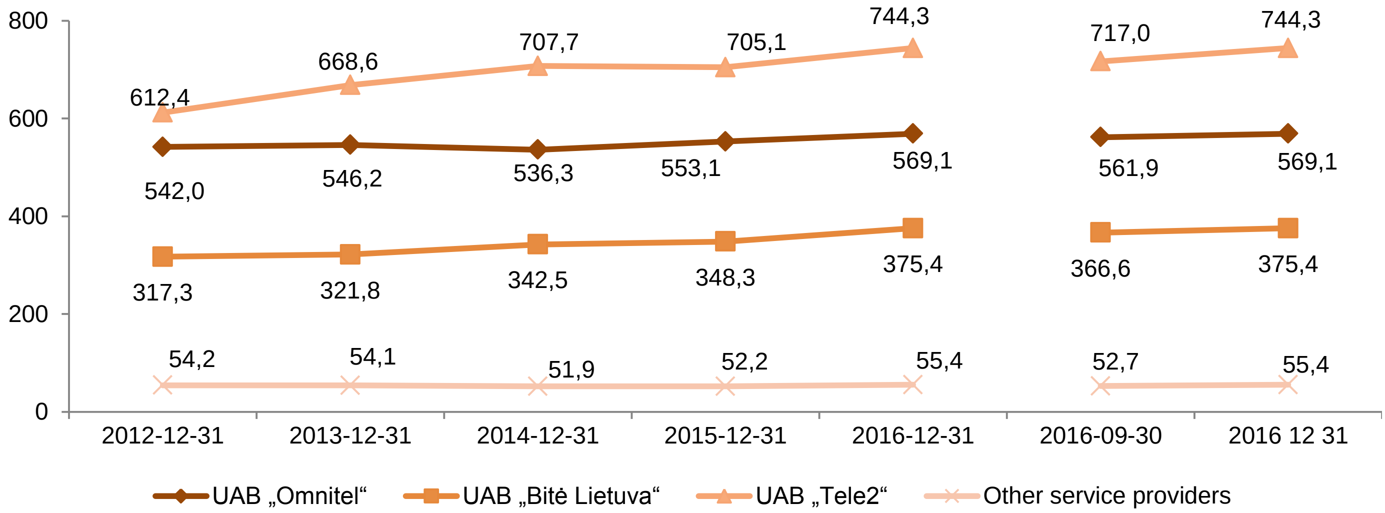


Fig. 18. The number of active public mobile telephone services consumers by service providers, thousand, 2012 – 2016

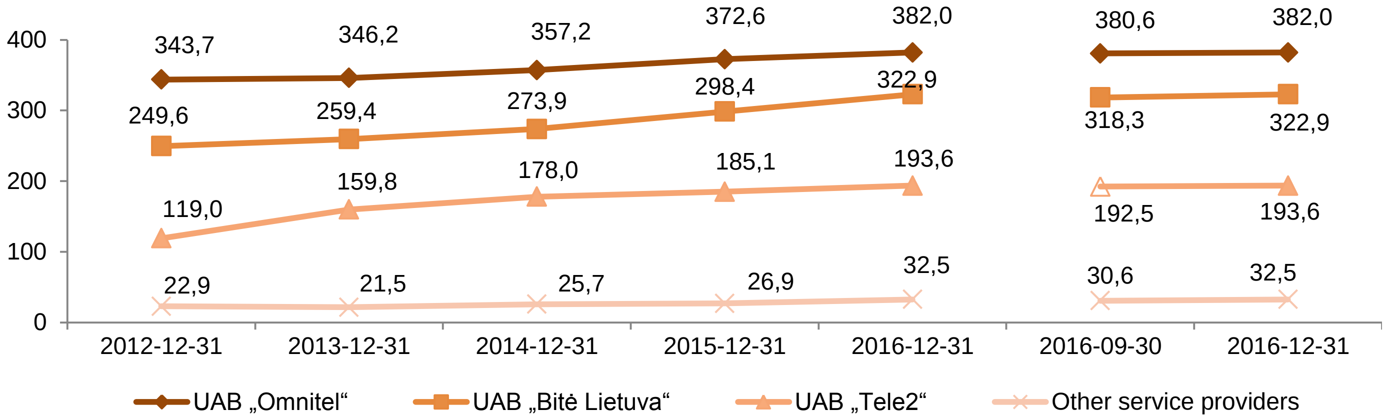


Fig. 19. The number of active public mobile telephone services business subscribers by service providers, thousand, 2012 –2016

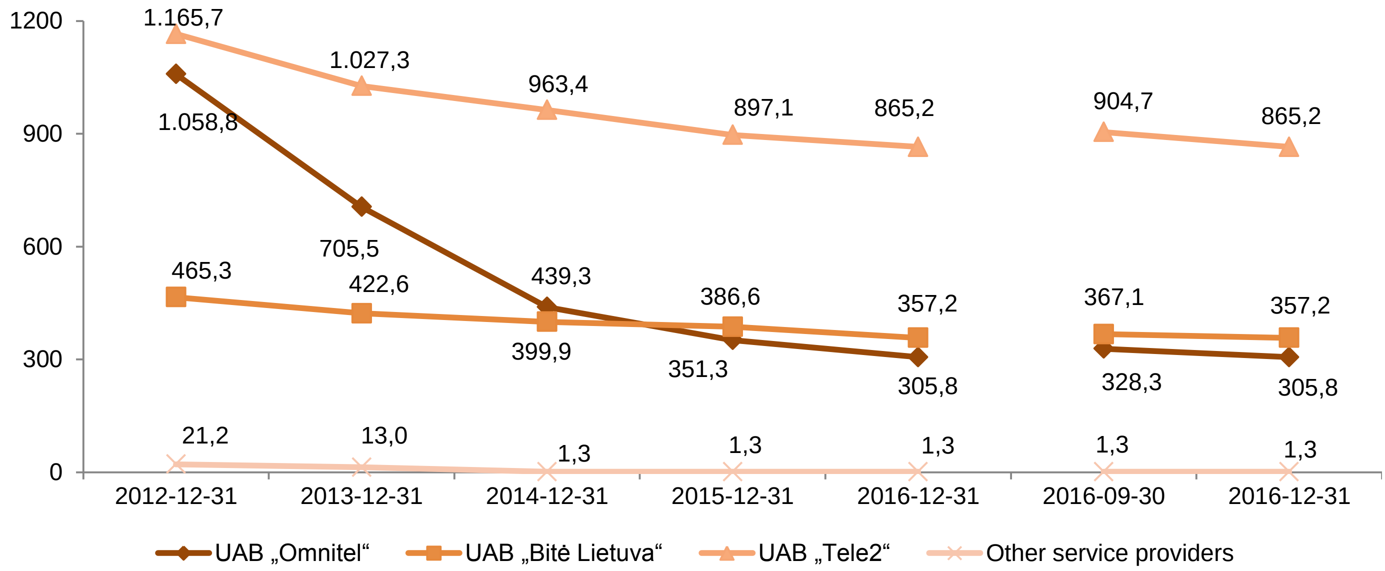


Fig. 20. The number of active public mobile telephone services pre-paid subscribers by service providers, thousand, 2012 – 2016

Initiated calls. The duration of calls initiated in public mobile communication networks in the fourth quarter of 2016, in comparison with the previous quarter, decreased by 0,3% and totalled 2.123,8 million minutes: 48,2% were initiated in the network of UAB “Tele2”, 26,6% – in the network of UAB “Omnitel”, 22,5% – in the network of UAB “Bitė Lietuva” and 2,8% – by Other service providers.

Total duration of calls initiated in public mobile communication networks in the year 2016, in comparison with the year 2015, increased by 1,9% (see Fig. 21).

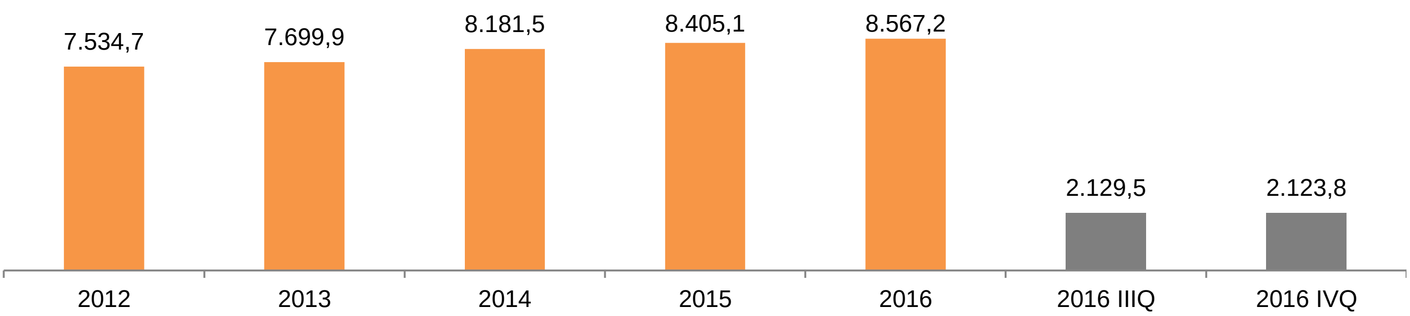


Fig 21. The duration of calls, initiated in public mobile communication networks, million min., 2012 – 2016

56,1% of the total duration of the calls, originated in public mobile communication networks in the fourth quarter of 2016, were the calls inside the own network, 39,7% - the calls to other public mobile communication networks of the Republic of Lithuania, 3,7% - the calls to public fixed communication networks of the Republic of Lithuania, 0,6% - international calls. The distribution of calls in different directions by the service providers is on the Figures 22-25.

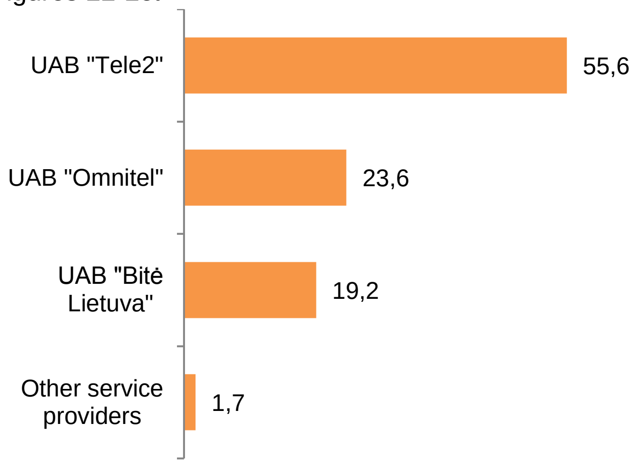


Fig. 22. The structure of calls initiated in public mobile communications networks, which were terminated <u>on-net</u> by the service providers, 2016 IVQ, %
(total duration is 1.191,8 million min.

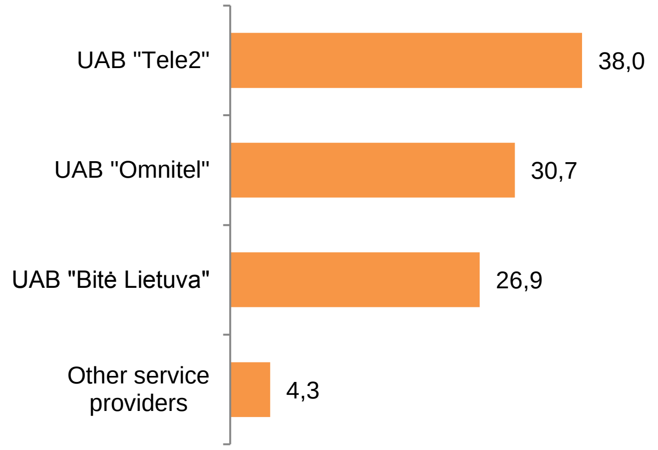


Fig. 23. The structure of calls initiated in public mobile communications networks, which were terminated <u>in other public mobile communication networks</u> of the Republic of Lithuania by the service providers, 2016 IVQ, %
(total duration is 842,6 million min.)

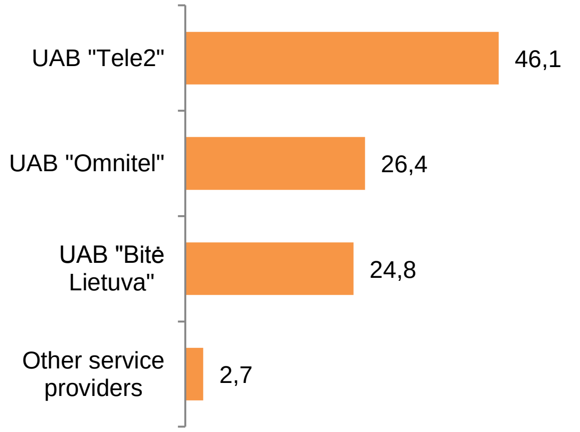


Fig. 24. The structure of calls initiated in public mobile communications networks, which were terminated in <u>public fixed communication networks of the Republic of Lithuania</u> by the service providers, 2016 IVQ, %
(total duration is 77,5 million min.)

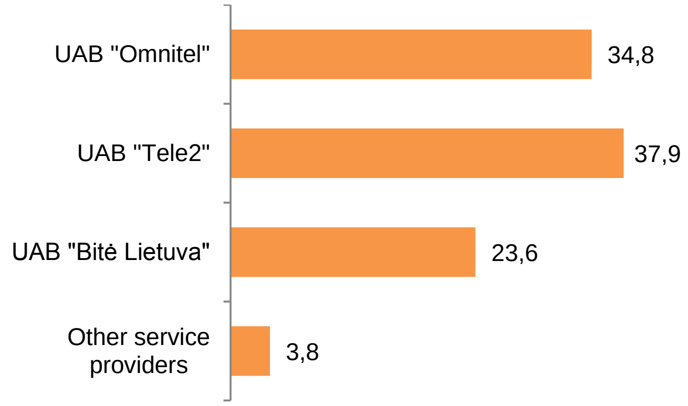


Fig. 25. The structure of calls initiated in public mobile communications networks, which are terminated in the networks <u>of foreign countries</u> by the service providers, 2016 IVQ, %
(total duration is 11,9 million min.)

Average call duration initiated in public mobile communication networks per subscriber per month. In the fourth quarter of 2016, the longest call duration (duration of calls initiated during the quarter divided by the number of active subscribers of the relevant provider and the number of month (3)) belongs to the subscribers of UAB "Tele2" (see Table 11).

Table 11. Average call duration initiated in public mobile communication networks per subscriber (by the way of payment) per month in Lithuania, by service providers, min., 2016 IVQ

Duration of initiated calls:	Payment method	UAB „Omnitel“	UAB „Bitė Lietuva“	UAB „Tele2“	Other service providers
All calls	consumers	199,2	212,5	243,6	242,9
	business subscribers	139,9	159,9	209,4	185,2
	pre-paid	70,0	77,9	137,7	2,8
Calls in the own network	consumers	93,2	93,1	149,0	87,1
	business subscribers	72,6	79,5	115,2	54,0
	pre-paid	42,3	43,6	101,3	0,3
Calls to other public mobile communication networks	consumers	98,2	110,5	85,0	147,1
	business subscribers	58,9	72,0	82,9	120,4
	pre-paid	26,0	30,7	31,8	2,3
Calls to public fixed communication networks	consumers	7,3	8,5	9,0	7,5
	business subscribers	5,7	6,1	8,3	8,3
	pre-paid	1,6	3,5	4,2	0,2
International calls	consumers	0,6	0,5	0,7	1,2
	business subscribers	2,6	2,3	3,0	2,6
	pre-paid	0,1	0,1	0,5	0,0

During the year 2016, in comparison with the year 2015, the average call duration of one public mobile telephone service subscriber per month increased by 1,8% and was 170 minutes (see Fig. 26).

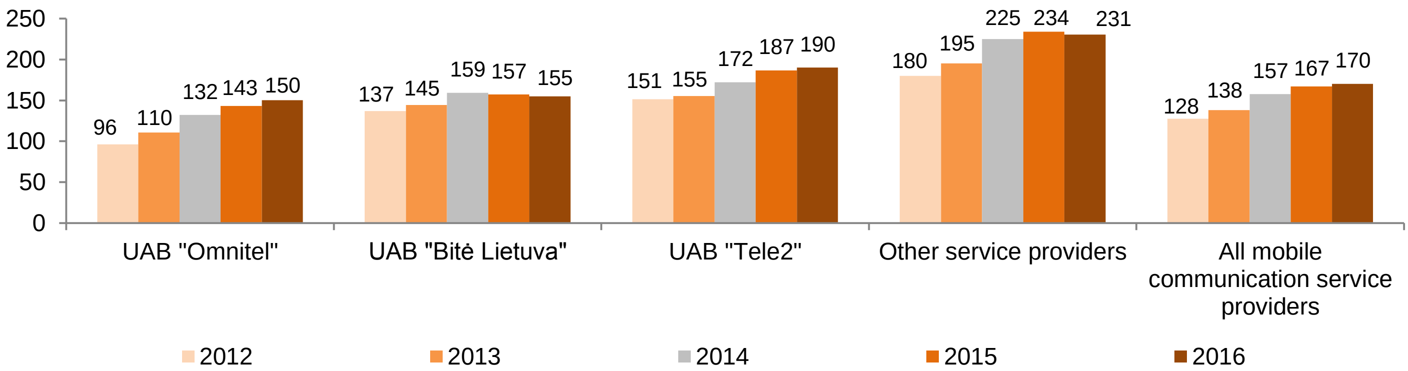


Fig. 26. The structure of average duration of calls initiated by public mobile telephone services subscriber per month, by the service providers, min., 2012 – 2016

The average duration of a mobile telephone call in the fourth quarter of 2016, in comparison with the third quarter of 2016, increased by 12 sec. and was 2 min. 24 sec. The average duration of a fixed telephone call increased by 11 sec. and was 3 min. 39 sec. The average duration of a fixed telephone call for consumers was 4,0 times longer than for business subscribers, accordingly 6 min. 31 sec. and 1 min. 34 sec.

The duration of the calls initiated in public mobile networks in the fourth quarter of 2016 amounted to 91,6% of the total duration of calls (fixed and mobile); and, comparing with the previous quarter, this part decreased by 0,5 per cent (see Fig. 27)..

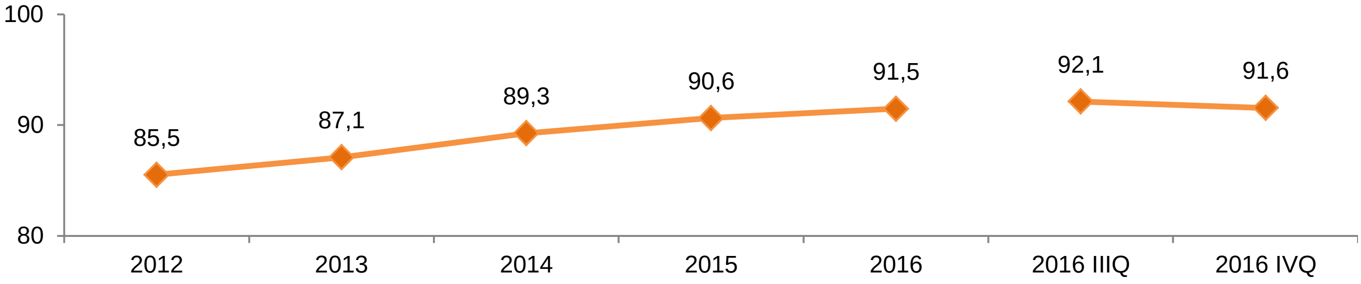


Fig. 27. The share of the duration of calls, initiated in public mobile telephone networks, in the total duration of calls, initiated in public fixed and mobile communication networks, %, 2012 – 2016

The duration of calls initiated by Lithuania's mobile telephone subscribers using roaming services in the fourth quarter of 2016, in comparison with the third quarter of 2016, increased by 2,5% and totalled 25,8 million minutes. In the year 2016, in comparison with the year 2015, the duration of these calls increased by 60,9% (see Fig. 28).

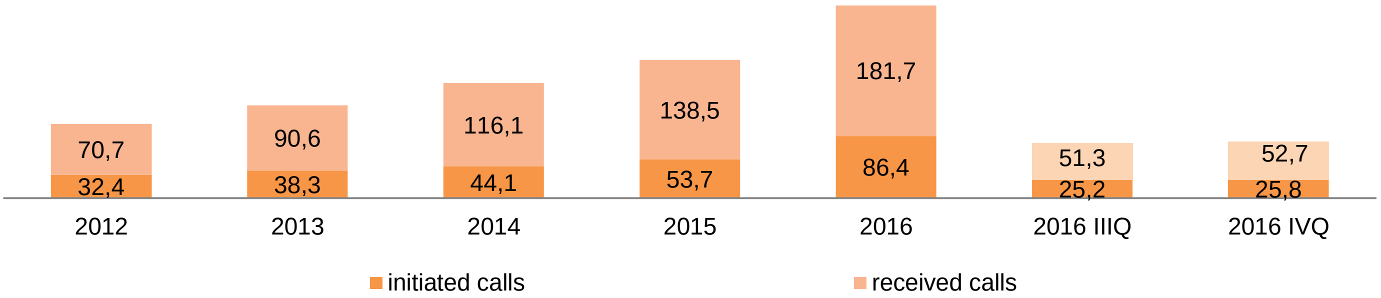


Fig. 28. Duration of calls of Lithuanian public mobile telephone service subscribers, who used roaming services, million min. 2012 – 2016

Data transmission. Total number of subscribers that used the packet switched data through public mobile communication network (using GPRS/EDGE, UMTS, UMTS HSDPA, LTE technologies) in the fourth quarter totalled 2.409,0 thousand (1,6% more comparing with previous quarter and 8,2% more comparing with the fourth quarter of 2015).

At the end of the fourth quarter of 2016, the majority of active mobile subscribers of packet switched data services belonged to UAB "Tele2" (see Fig. 29).

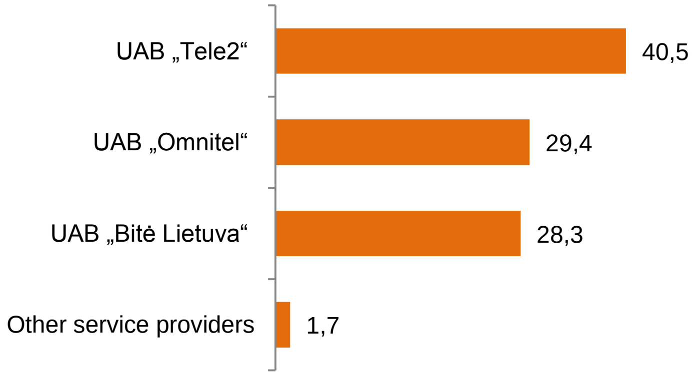


Fig. 29. The structure of the number of active subscribers that used packet switched data services during the fourth quarter of 2016, % (total number – 2.409,0 thousand))

Approximately 82,7% of subscribers, using packet data services, used the Internet at the public mobile telephone communications terminal equipment (phone)[12].

1.184,2 thousand (49,2%) of the total number of subscribers that used data transmission services through public mobile communication network used LTE (Long Term Evolution) technology. During the fourth quarter of 2016, this number increased by 12,8%, during the year – 2,1 times.

At the end of the fourth quarter of 2016, the majority of active mobile subscribers, that used the packet switched data services provided by LTE technology, used the services of UAB ”Tele2“ (see Fig. 30).

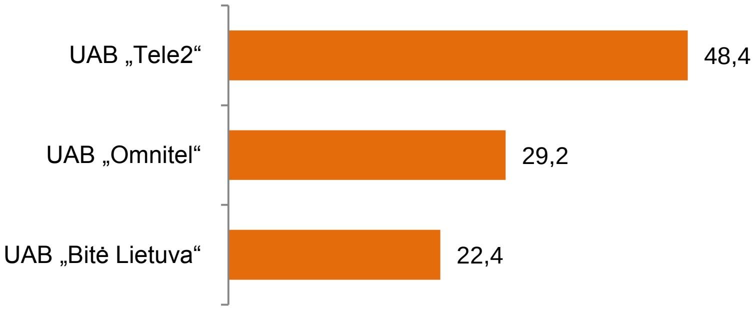


Fig. 30. The structure of the number of active subscribers that used packet switched data services provided by LTE technology during the fourth quarter of 2016, % (total number – 1.184,2 thousand)

Transmission of data. In the fourth quarter of 2016, in comparison with the third quarter of 2016, the amount of data, sent and received by using the GPRS/EDGE, UMTS, UMTS HSDPA, LTE technologies increased by 18,5% and amounted to approximately 22.282 terabytes (TB), including 19.872 (89,2%) of received data. In average one subscriber (that used these services) sent and received 3.232,9 MB per month (462,5 MB more than in the third quarter of 2016), including 2.883,3 MB of received data.

The amount of data, sent and received by the subscribers of UAB “Omnitel” was 7.172,6 million MB (in average one subscriber sent and received 3.376,7 MB), accordingly of UAB “Bitė Lietuva” – 6.960,6 million MB (3.397,8 MB), of UAB “Tele2” – 9.098,3 million MB (3.105,8 MB).

Messages (SMS, MMS). In the fourth quarter of 2016, active public mobile telephone services subscribers sent 1.256,5 million SMS and 2,4 million MMS. During the said quarter, 1,7% more SMS and 3,3% more MMS messages were sent, in comparison with the third quarter of 2016. During the year 2016, in comparison with the year 2015, the number of sent SMS messages decreased by 17,2%, the number of sent MMS increased by 16,8%. Most of all SMSs (54,6%) and MMSs (43,3%) were initiated in the network of UAB “Tele2” (see Fig. 31 and 32).).

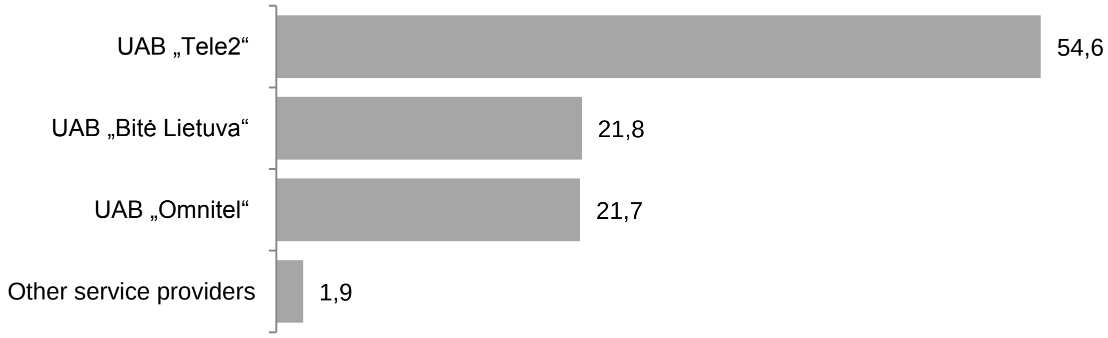


Fig. 31. The structure of sent SMSs during the fourth quarter of 2016 by active public mobile telephone services subscribers, by service providers, %, 2016 IVQ (total number – 1.256,5 million)

[12] The remaining 17,3% used the GPRS, EDGE, UMTS, LTE Internet connection services, by using flat rate plans, intended for payment for the Internet access services, provided by using a computer and attributed to the broadband Internet access market.

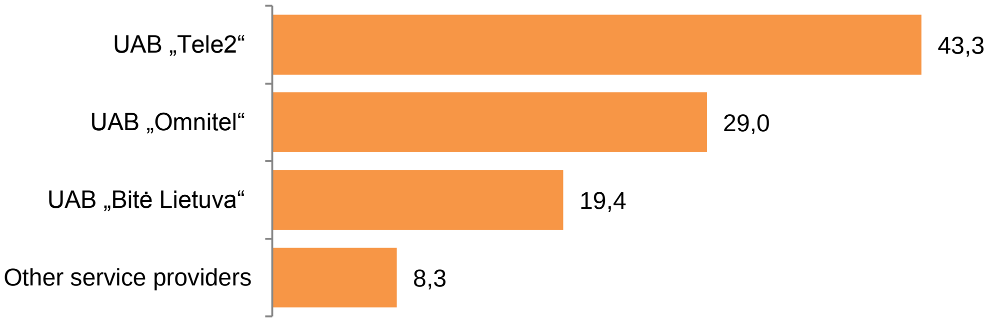


Fig. 32. The structure of sent MMSs during the fourth quarter of 2016 by active public mobile telephone services subscribers, by service providers, %, 2016 IVQ (total number – 2,4 million)

In the fourth quarter of 2016, one subscriber sent on average 100 SMS messages and 0,19 MMS messages per month. One UAB “Tele2” subscriber on average sent 127 SMS messages, accordingly UAB “Bitė Lietuva” – 87, UAB “Omnitel” – 72.

Base stations. During the fourth quarter of 2016, mobile telephone operators registered 6 GSM/DCS base stations, 16 new UMTS base station and 72 new LTE base stations. Including the new stations, **4.394 GSM/DCS base stations, 3.998 UMTS base stations and 3.739 LTE base stations** were registered until 31 December 2016. During the year the number of the GSM/DCS base stations increased by 4,1%, the number of UMTS base stations increased by 7,5%, the number of LTE base stations increased by 62,6% more than 2 times.

.

Wholesale mobile communication services

Wholesale mobile communication services include wholesale mobile communication services to other service providers.

The total wholesale revenue from the provision of public mobile telephone networks and services (excluding network interconnection) in the fourth quarter of 2016, in comparison with the third quarter of 2016, increased by 5,6%, and constituted EUR 1,04 million.

4. NETWORK INTERCONNECTION SERVICES

Interconnection services of public communication networks, used for provision of public telephony services, include the wholesale call initiation in the own network, call termination in the own network, when the calls are initiated in other public communication networks of the Republic of Lithuania and foreign countries' 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, interconnection services also include services of foreign countries' public mobile telephone service providers, when their subscribers visit the Republic of Lithuania and use roaming services. In the fourth quarter of 2016, 15 undertakings provided network interconnection services.

Revenues. The revenue, received from network interconnection activities in the fourth quarter of 2016, comparing with the third quarter of 2016, increased by 2,4% and was EUR 36,23 million. In comparison with the year 2015, the revenues in the year 2016, received from network interconnection activities, increased by 7,0%. Most of the revenue from network interconnection activities was received by UAB „Mediafon Carrier Services" (see Fig. 33).

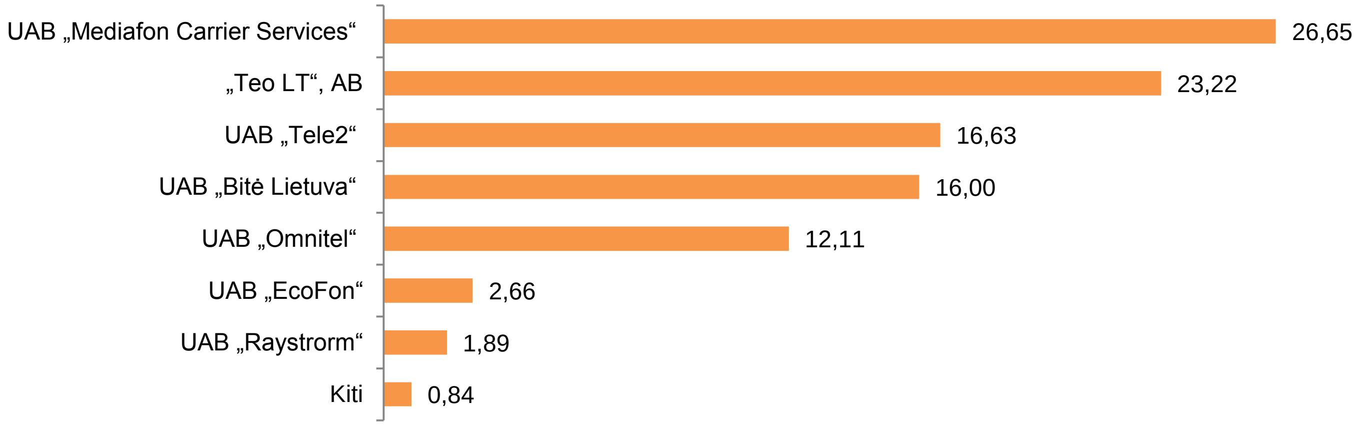


Fig. 33. Distribution of the revenue from network interconnection activities, by operators, 2016 IVQ,% (total revenue – 36,23 million Eur

The total revenue, received **from termination of calls in the public fixed communications network** in the fourth quarter of 2016, in comparison with the third quarter of 2016, increased by 4,0% and totalled EUR 0,70 million.

The total revenue **from provision of transit services** in the fourth quarter of 2016 amounted to EUR 19,92 million, 48,4% of them were received by "UAB "Mediafon Carrier Services", 39,4% – Teo LT", AB, 4,8% – UAB "Ecofon", 3,3% – UAB "Bitė Lietuva", 3,4% – UAB "Raystorm". In comparison with the third quarter of 2016, the revenue from provision of transit services in the fourth quarter of 2016 increased by 10,0%.

The total revenue **from termination of calls in public mobile telephone network** in the fourth quarter of 2016, in comparison with the third quarter of 2016, decreased by 3,6% and totalled EUR 11,04 million.

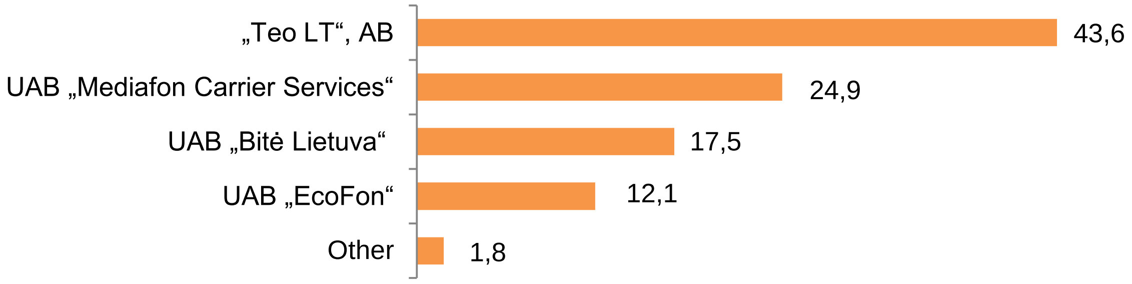
The **revenue, received from foreign countries' public mobile telephone service providers** for the calls, made by their subscribers who visited the Republic of Lithuania and **used roaming services**, in the fourth quarter of 2016, comparing with the third quarter of 2016, decreased by 41,8%. The revenue, received from foreign countries' public mobile telephone service providers for the calls, made by their subscribers who visited the Republic of Lithuania and used roaming services, in the year 2016, in comparison with the year 2015, increased by 35,6%.

Calls terminated in the public fixed communication network. During the fourth quarter of 2016, the total duration of calls terminated in fixed public communication networks that were initiated in other networks (of the Republic of Lithuania and foreign countries) was 108,5 million minutes and, in comparison with the third quarter of 2016, it increased by 6,7%. 70,5% of all calls terminated in the fixed public telecommunications networks in the fourth quarter of 2016 were initiated in the public mobile communication networks of the Republic of Lithuania, 20,5% - in other public fixed communications networks, 9,0% - in the networks of operators of foreign countries.

79,7% of duration of terminated calls that were initiated in other networks (of the Republic of Lithuania and foreign countries) were terminated in the network of "Teo LT", AB, 7,8% – UAB "CSC Telecom", 8,3% – UAB "Nacionalinis telekomunikacijų tinklas", 3,6% – UAB "Mediafon Carrier Services" networks. As compared with the year 2015, total duration of calls terminated in fixed public communication networks of the Republic of Lithuania during the year 2016 increased by 0,9%.

Transit forwarded calls. In the fourth quarter of 2016, 11 companies provided call transit services. The total duration of calls forwarded by transit during the quarter amounted to 404,9 million minutes, including 101,3 million minutes (25,0%), forwarded to other public communication networks of the Republic of Lithuania and 303,6 million minutes (75,0%) to foreign countries public communication networks (see Fig. 34). In comparison with the third quarter of 2016, the duration of calls, forwarded by transit, in the fourth quarter of 2016 increased by 0,1%.

to other public communication networks of the Republic of Lithuania (the total duration – 101,3 million min.)



to foreign countries' public communication networks (the total duration – 303,6 million min.

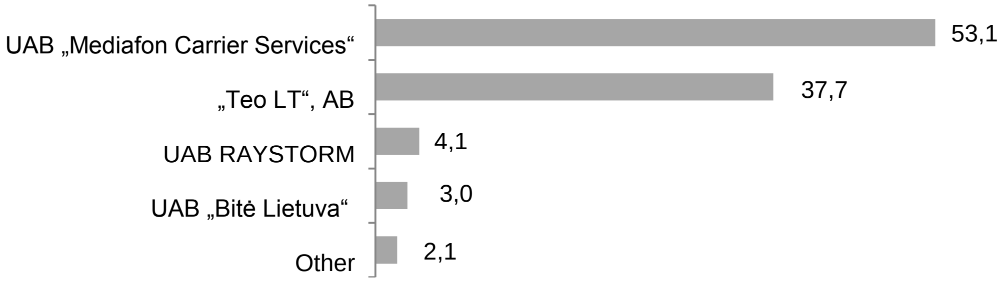


Fig. 34. The structure of duration of forwarded by transit calls in different directions, by service providers, 2016 IVQ, %

Calls terminated in the public mobile communication network. The duration of calls terminated in public mobile communication networks, which were initiated in other networks in the fourth quarter of 2016, in comparison with the third quarter of 2016, increased by 1,7% and totalled 986,2 million minutes. 40,7% of terminated calls were terminated in the UAB "Tele2" network, 31,6% – in the UAB "Omnitel" network, 26,7% in the UAB "Bitė Lietuva" network, 0,9% of Other service providers. The structure of calls terminated in different public mobile communication networks is shown in the Figure 35.

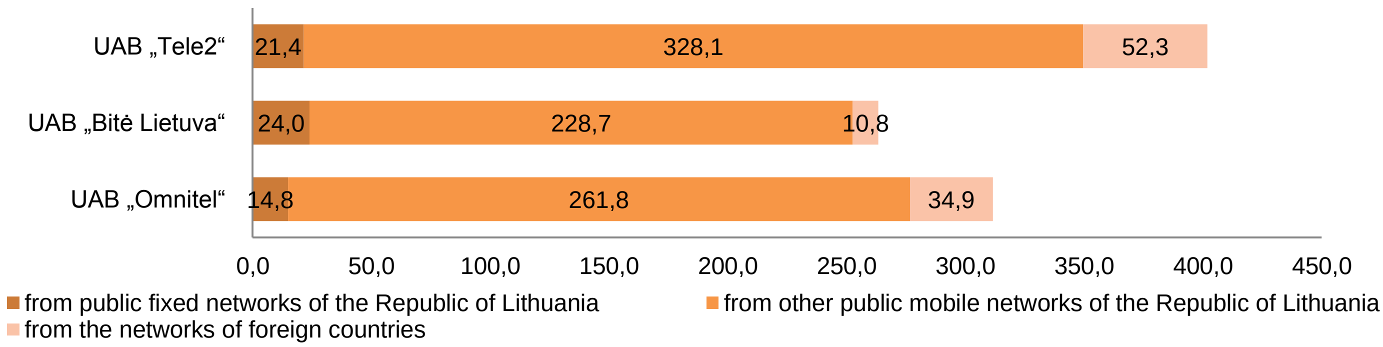


Fig. 35. The structure of calls terminated in public mobile communication networks according to the origin of a call, by service providers, million min., 2016 IVQ

Total duration of calls terminated in the public mobile networks, which were initiated in other networks in the year 2016, in comparison with the year 2015, increased by 7,8%.

The duration of calls, initiated by subscribers of public mobile telephone service providers of foreign countries that came to the Republic of Lithuania and used roaming services in the fourth quarter of 2016, comparing with the third quarter of 2016, decreased by 21,2% and totalled 10,72 million minutes.

The duration of calls initiated by subscribers of public mobile telephone service providers of foreign countries in the year 2016, comparing with the year 2015, increased by 29,8%.

5. LEASED LINES

In the fourth quarter of 2016, the activities of providing leased lines were carried out by 8 undertakings: UAB „Bitė Lietuva“, UAB „Dicto Citius“, UAB „Ektra“, „Hibernia Media (UK) Limited“, VĮ „Infostruktūra“, AB „Lietuvos geležinkeliai“, UAB „Duomenų logistikos centras“ and „Teo LT“, AB.

Revenues. The total revenue received from the leased lines provision activities during the fourth quarter of 2016 comparing with the third quarter of 2016, decreased by 13,9% and amounted to EUR 0,75 million. In comparison with the year 2015, leased lines provision market in the year 2016 decreased by 19,7%.

The largest market share of the provided leased lines services by the revenue is occupied by „Teo LT“, AB: the undertaking’s revenue from the provision of leased lines accounted for 69,81% of the whole leased lines market in the fourth quarter of 2016 (see Fig. 36).

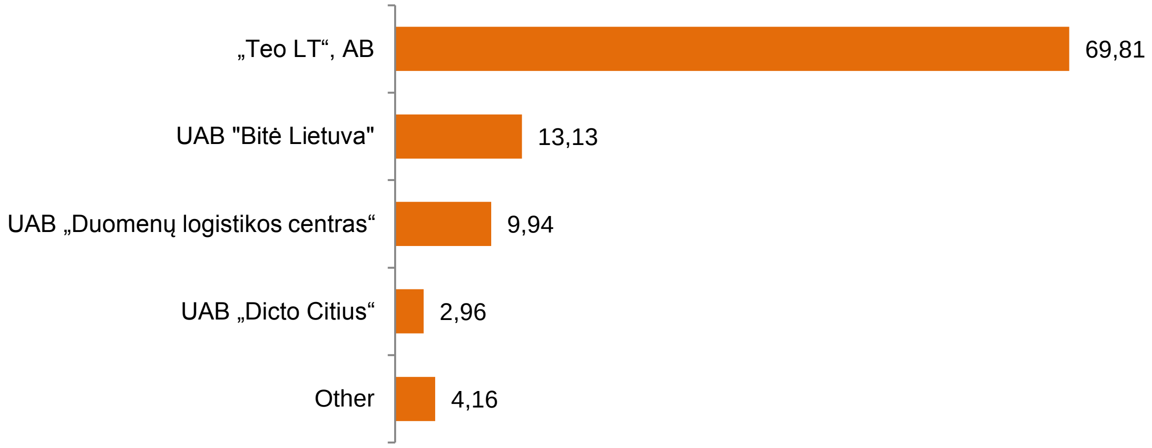


Fig. 36. The structure of revenue from the provision of leased lines services by service providers, %, 2016 IVQ (total revenue – EUR 0,75 million)

Number of lines. As of 31 December 2016, the total number of leased lines provided to other operators was 1.012; and this was 1,0% more than as of 30 September 2016 (see Fig. 37). 64,5% (653 leased lines) of the provided leased lines were digital leased lines, and 55,4% of them were up to 2 Mbps (inclusive).

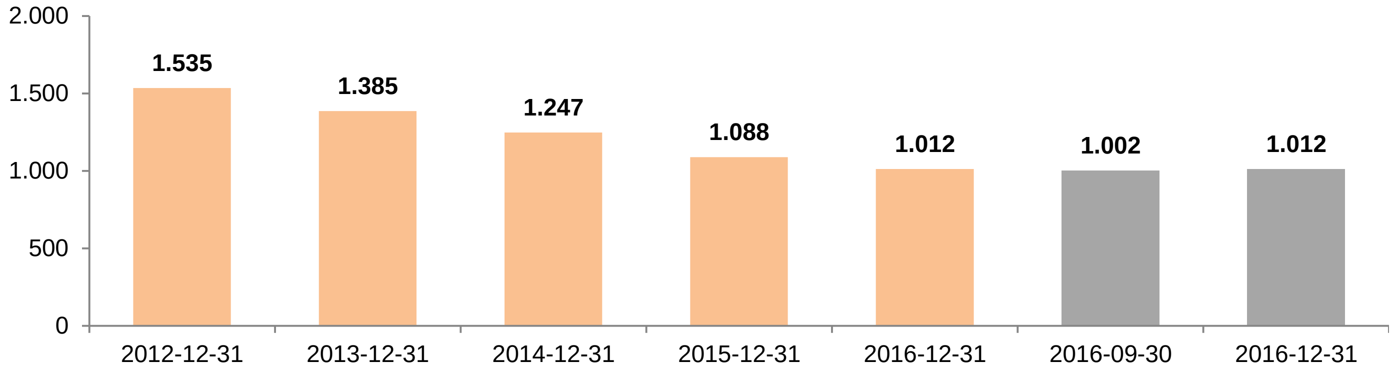


Fig. 37. The number of leased lines, provided to other operators, 2012 IVQ-2016 IVQ, units

6. PROVISION OF THE ACCESS TO PHYSICAL OPTICAL FIBRE (‘DARK FIBRE’) SERVICES

In the fourth quarter of 2016, 15 companies were engaged in the activities of provision of access to physical optical fibre services: UAB „AirnetTV“, UAB „Balticum TV“, UAB „Duomenų greitkelis“, UAB „Duomenų logistikos centras“, UAB „EcoFon“, UAB „Ektra“, UAB „Elekta“, UAB „Init“, UAB „Kavamedia“, UAB „Penkių kontinentų komunikacijų centras“, VĮ „Plačiajuostis internetas“, UAB „Skaidula“, „Splius“, UAB, UAB „Sugardas“ ir „Teo LT“, AB.

Revenues. The revenue from these activities in the fourth quarter of 2016 constituted EUR 1,37 million, comparing with the third quarter of 2016, revenue increased by 4,3%, comparing with the year 2015, in the year 2016 they decreased by 1,3%.

Lines. The number of physical optical lines fibres, provided to others, was 2.761 and comparing with third quarter of 2016, it decreased by 6,2%.

7. BROADBAND INTERNET ACCESS SERVICES

Broadband Internet access services include retail and wholesale Internet access services. In the fourth quarter of 2016 these services were provided by 103 providers.

Retail Internet access services

In the fourth quarter of 2016, retail broadband Internet access services, provided by using fixed and mobile technologies, were provided in following ways: through metallic twisted pair lines by using xDSL technology (hereinafter referred to as xDSL lines), wireless communication lines, by using WiMAX (Worldwide Interoperability Microwave Access), Wi-Fi and other wireless communication technologies (hereinafter referred to as wireless communication lines), coaxial cable communication lines (hereinafter referred to as CaTV networks), fibre communication lines, using FTTB (Fibre-to-the-Building) and FTTH (Fibre-to-the-Home) technologies (hereinafter referred to as fibre communication lines), shielded twisted pair (STP) and unshielded twisted pair (UTP) lines (Local Area Network, hereinafter referred to as LAN), provided via mobile communication network by using fixed payment plans, intended for paying for Internet access services by using a computer, and by other means.

Revenues. Total revenue from provision of retail Internet access services in the fourth quarter of 2016, in comparison with the third quarter of 2016, increased by 2,8% and amounted to EUR 32,32 million (see Fig. 38).

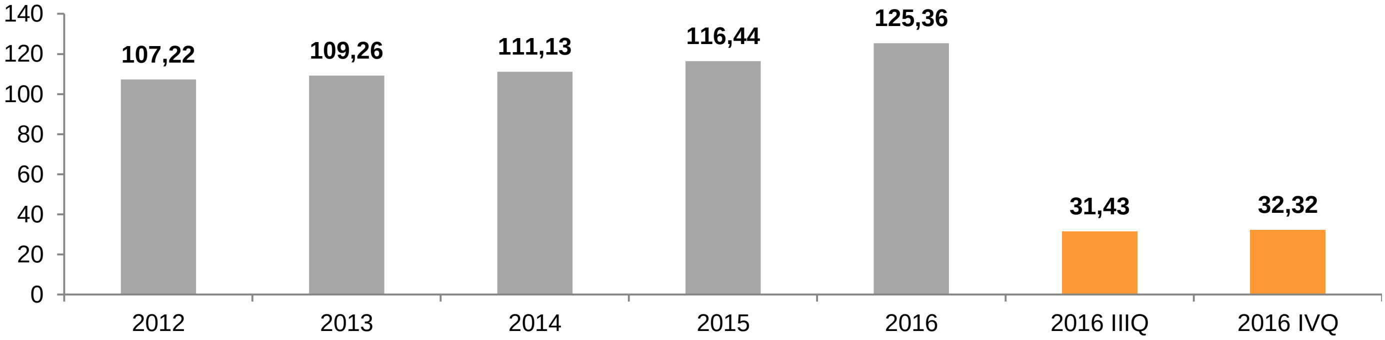


Fig. 38. Revenue received from the provision of the Internet access services, million EUR, 2012 - 2016

Total revenue from provision of Internet access services in the year 2016, in comparison with the year 2015, increased by 7,7%.

The revenue, received from provision of retail Internet access services, constituted 94,4% of total revenues (EUR 34,22 million) from the provision of Internet access services. Half of the revenues from provision of retail Internet access services (50,9%) were received from the provision of Internet access services via fibre communication lines (see Fig. 39).

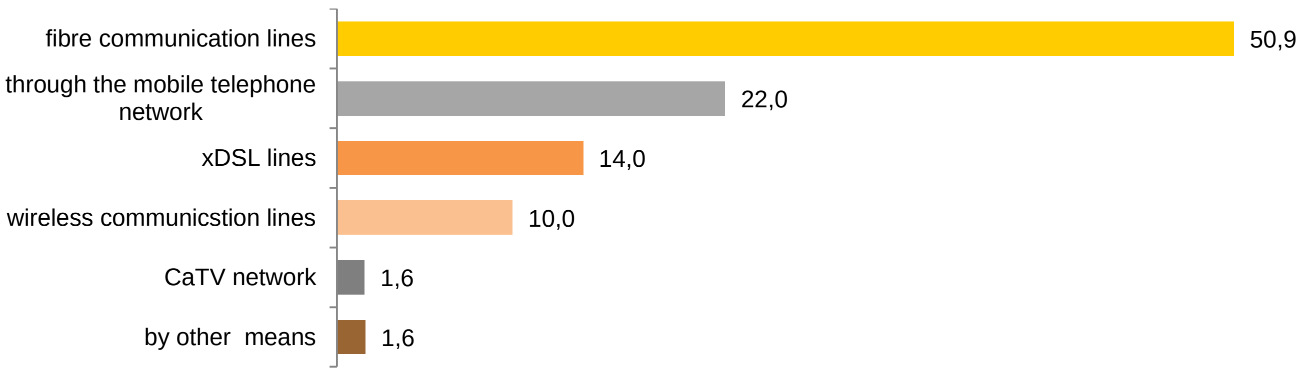


Fig. 39. The structure of the revenues for provision of retail Internet access services according to the manner of connection, %, 2016 IVQ (total revenue - EUR 32,32 million)

Market share, according to the revenues, received from the provision of retail Internet access services, of 11 undertakings was higher than 2% (see Fig. 40).

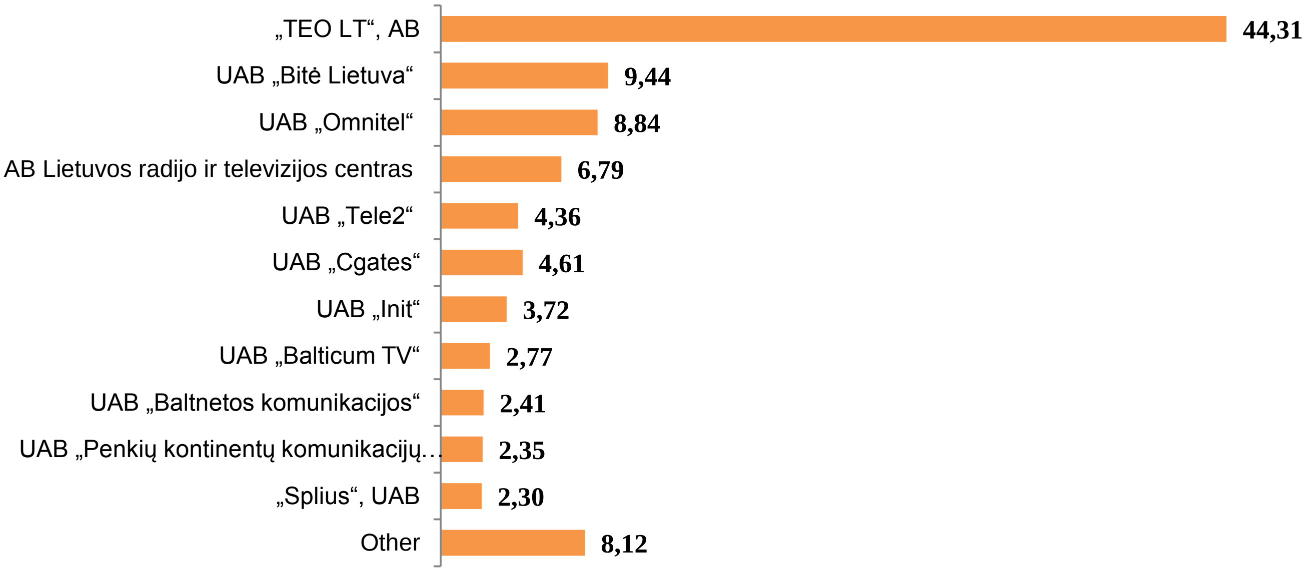


Fig. 40. The structure of revenues from the retail Internet access service by service providers 2016 IVQ, % (total revenue is EUR 32,32 million

The revenues, generated by the consumers amounted to 73,8% off the total revenue, received from provision of the retail Internet services.

ARPU from retail Internet access services. The average monthly revenue from one subscriber for the Internet access services (including all the ways of connection) in the fourth quarter of 2016 amounted to **EUR 8,45** (in the third quarter of 2016 it was Eur 8,37). The largest ARPU per month was received from subscribers, who were connected to the Internet by leased line - EUR 238,31 (in the third quarter of 2016, it was EUR 109,3), the corresponding amount, received from the subscribers connected by fibre communication line - EUR 10,05 (EUR 9,99), by xDSL line was EUR 9,56 (EUR 9,59), by wireless communication line was EUR 9,36 (EUR 9,37), by local area network (LAN) - EUR 6,28 (EUR 6,07), CaTV network line - EUR 5,64 (EUR 5,69), from the subscribers connected through mobile telephone networks (by using computer) - EUR 5,69 (EUR 5,54).

Subscribers. The total number of the **Internet access subscribers at the end of the period was 1.274,8 thousand** (see Fig. 41), during the quarter it increased by 2,2%, during the year – 7,4%. The broadband penetration (subscribers per 100 population), including subscribers who connected to the Internet by using fixed and mobile broadband technologies was **44,7%,** during the quarter it increased by 1,0 per cent, during the year – 3,6 per cent.

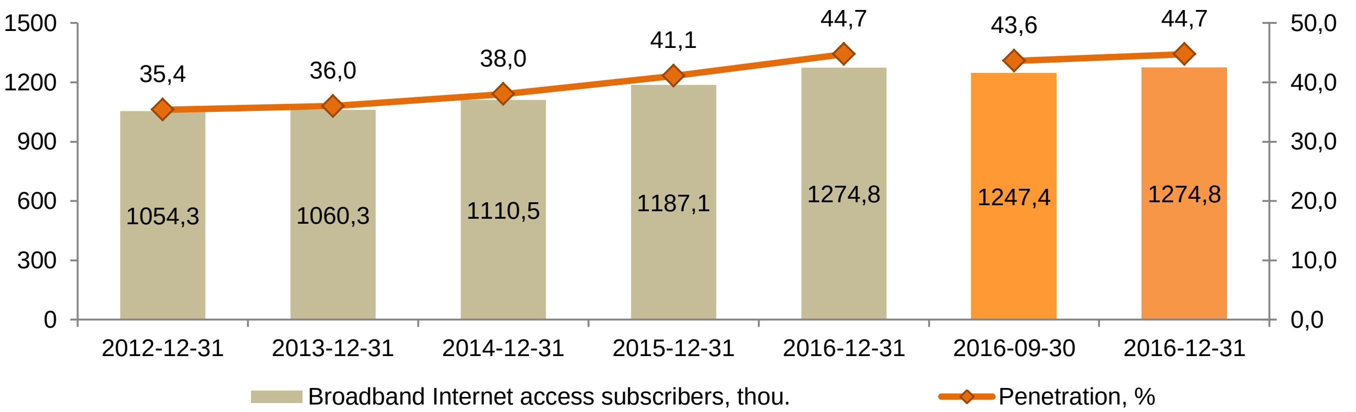


Fig. 41. The number of Internet access subscribers who used broadband technologies (including fixed and mobile), thousand, and penetration, %, 2012 IVQ - 2016 IVQ

67,3% of retail broadband Internet access subscribers used fixed (cable and wireless) broadband communication technologies for the Internet access, 32,7% connected to the Internet through the mobile public communication network by using fixed rate plans, intended for payment for the Internet access services, provided by using a computer (see Fig. 42).

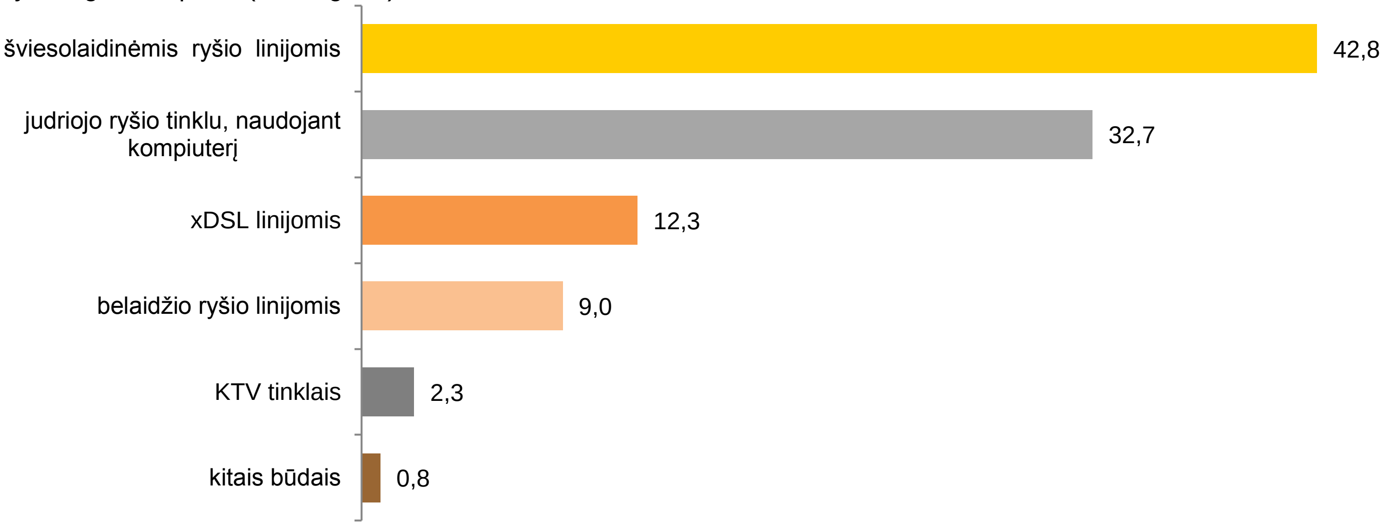


Fig. 42. The structure of the number of the Internet access subscribers according to the manner of connection, %, 2016 IVQ, (total number of subscribers - 1.274,8 thousand)

Market share, according to the subscribers, of 10 service providers providing Internet access services was higher than 2% (see Fig. 43).

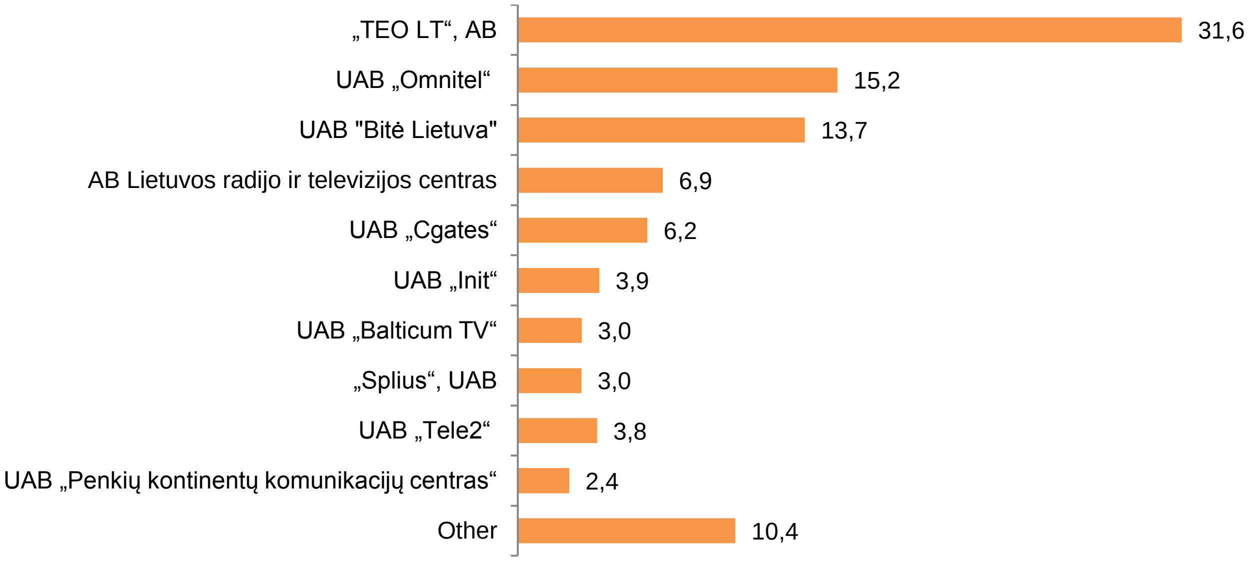


Fig. 43. The structure of the number of the Internet access subscribers, by service providers, %, 2016 IVQ, (total number of subscribers - 1.274,8 thousand)

The consumers amounted to 75,4% of the total number of Internet access subscribers, **i.e. 75,6% of households had permanent connection to the Internet**. „Teo LT“, AB provided Internet access services to 38,8% consumers (see Fig. 44).

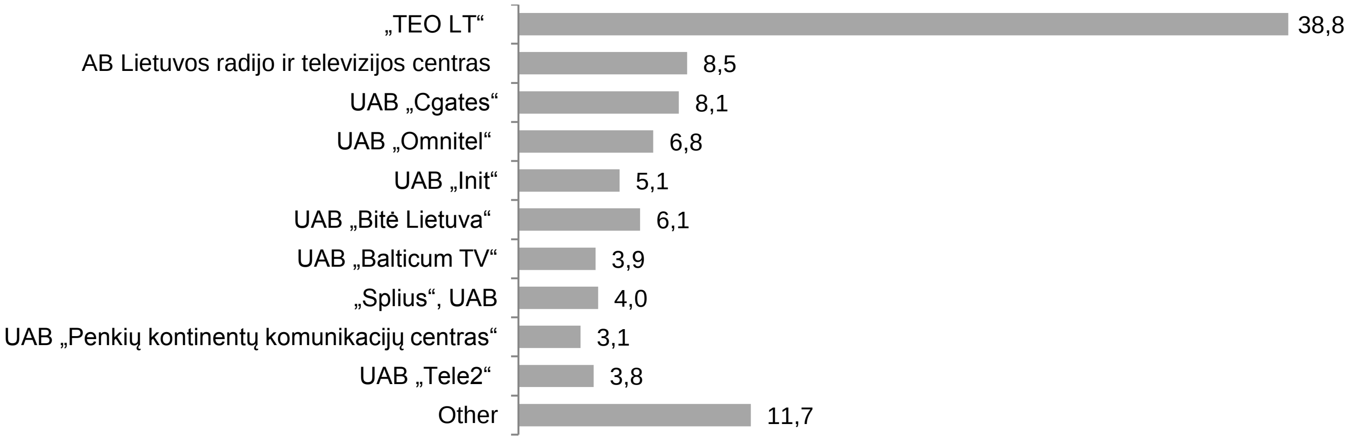


Fig. 44. The structure of the number of the Internet access consumers[13] by service providers 2016 IVQ, % (total number – 961,3 thousand)

In the fourth quarter of 2016, UAB “Omnitel” and UAB “Bitė Lietuva” had the largest share of Internet access business subscribers (see Fig. 45), but the subscribers of these companies mostly (among other technologies) used Internet access provided via mobile communication network, by using a computer..

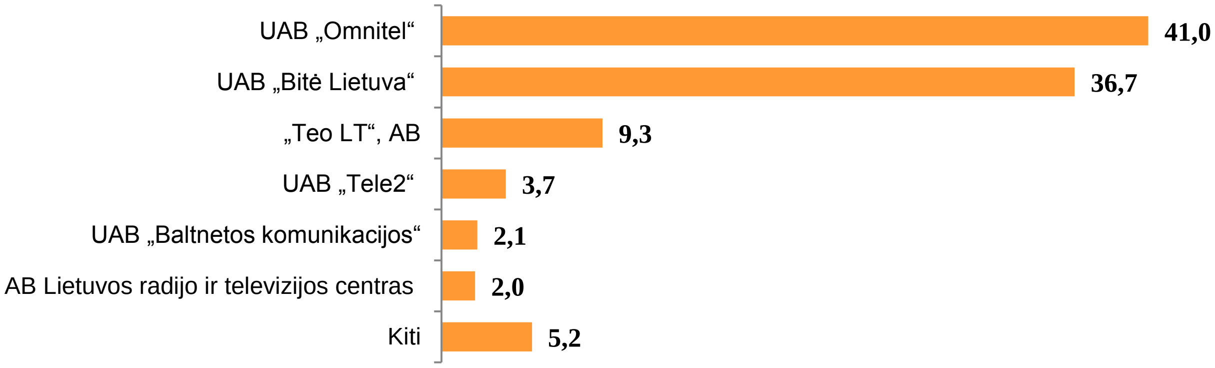


Fig. 45. The structure of the number of the Internet access business subscribers, by service providers, 2016 IVQ, % (total number – 313,5 thousand)

Other information. As of the end of the fourth quarter of 2016, there were 2.933 wireless Internet hotspots, including 2.870 (97,9%) implemented by “Teo LT”, AB. Comparing with the end of the third quarter of 2016, the number of wireless communication hotspots increased by 6,1%, during the year it decreased by 30,9%.

In the fourth quarter of 2016, 11 undertakings had direct international Internet communication channels (not via other Internet access providers of Lithuania). The total speed rate of direct international Internet communication channels (Mbps) by the end of the fourth quarter of 2016 amounted to **458.807 Mbps**. It increased by 1,2% from the end of the third quarter of 2016, and during the year it grew by 35,6%. By the end of the fourth quarter, the largest speed rate of international channels was held by “Teo LT”, AB (286.500 Mbps), UAB “Bitė Lietuva” (61.440 Mbps), UAB „Nacionalinis telekomunikacijų tinklas (51.200 Mbps), LATTELEKOM SIA filialas (28.737 Mbps), UAB “Penkių kontinentų komunikacijų centras” (20.000 Mbps).

Until 31 December, 2016, 710 WIMAX stations were registered, during the year their number unchanged.

[13] - natural persons

Retail broadband Internet access via mobile communication network

In the fourth quarter of 2016, broadband Internet services via mobile communication network by using computer were provided via public mobile communication networks of UAB „Omnitel", UAB „Bitė Lietuva", UAB „Tele2".

Revenues. The total revenue, received from provision of retail Internet access services by using mobile communication network in the fourth quarter of 2016, comparing with the third quarter of 2016, increased by 8,3% and was EUR 7,12 million. 40,1% of them were the revenue of UAB „Omnitel", 39,9% of UAB „Bitė Lietuva", 19,8% of UAB „Tele2", 0,1% belonged to Other service providers'.

Subscribers. During the fourth quarter of 2016, the total number of the subscribers, who connected to the Internet via the mobile communication network by using a computer and paid for the Internet services according to payment plans, intended for usage of the Internet via a computer, increased by 5,5%, during the year – by 17,9%; and in the 31 December,, 2016 it amounted to **417,1 thousand** (see Fig. 46).

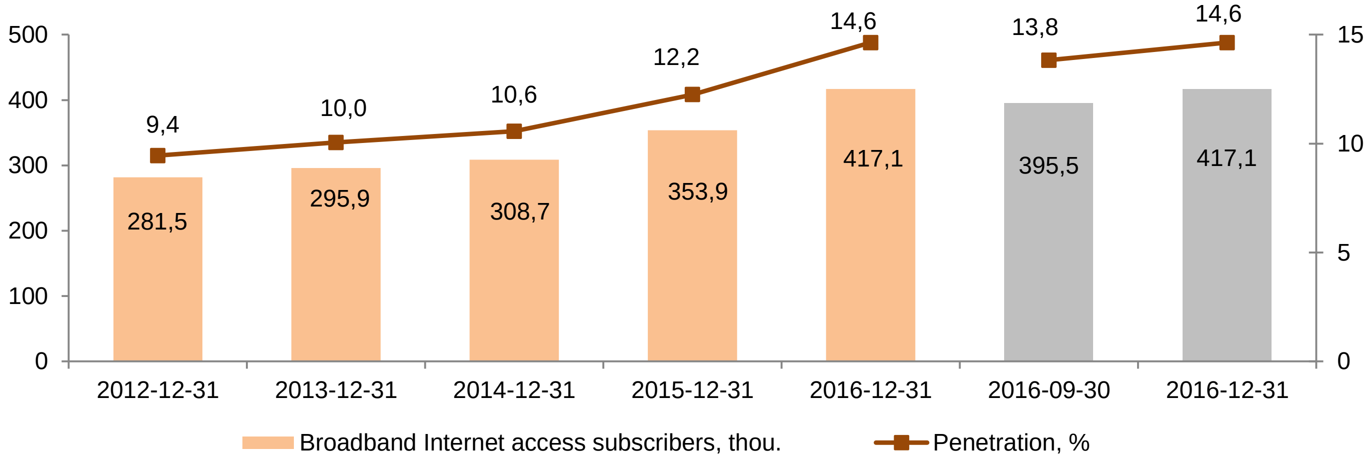


Fig. 46. The number of subscribers of retail broadband Internet access provided via public mobile communication network, thousand, and penetration, %, 2012 IVQ –2016 IVQ

46,5% of all subscribers used the services of UAB "Omnitel", 41,6% - UAB "Bitė Lietuva", 11,5% - UAB "Tele2", 0,4% – services of Other service providers (that provided services via the network of UAB "Bitė Lietuva") .

Number of subscribers who used public mobile data services (Internet access) provided via UMTS or higher standard mobile communication network using a computer and a smartphone in the second quarter of 2016 was 2.159,7 thousand[14], i. e. 76,5 subscribers per 100 population. 1.764,3 thousand of subscribers used mobile telephone[15]. During the year the number of subscribers who used the public mobile broadband Internet access services provided via UMTS or higher standard mobile communication network increased by 14,9%.

Retail broadband Internet access by using fixed communication technologies

Retail Internet access services, provided by using fixed technologies, in the fourth quarter of 2016 were provided by 96 service providers.

Revenues. In the fourth quarter of 2016, the total revenue from retail Internet access services, provided by using fixed technologies, in comparison with the third quarter of 2016, increased by 1,4% and amounted to EUR 25,20 million.

The largest market share according to revenue from retail Internet access services, provided by using fixed technologies, (56,82%) was occupied by "Teo LT", AB (see Fig. 47).

[14] According to the questionnaire of European Commission
[15] These numbers are not included in calculation of the total broadband penetration.

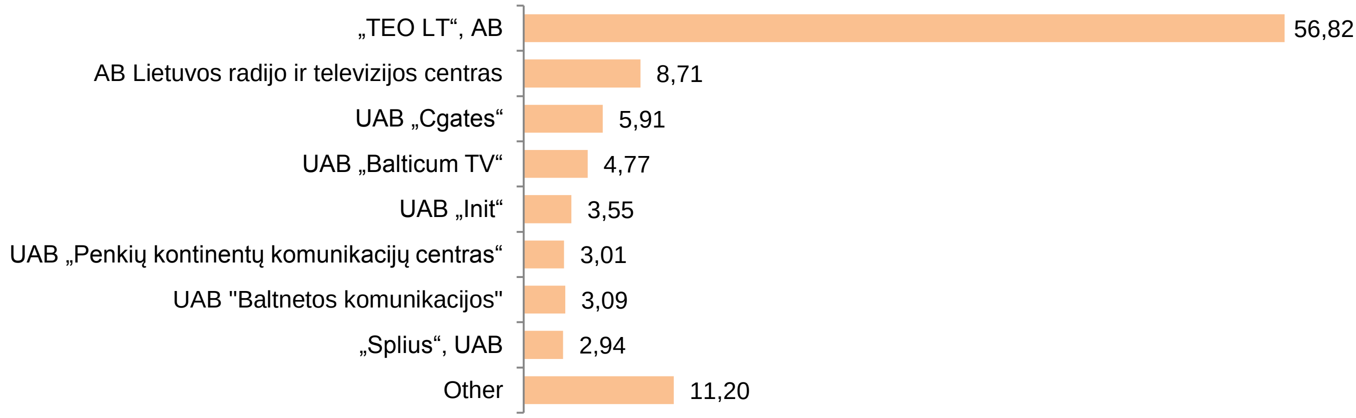


Fig. 47. The structure of revenue, received from provision of retail Internet access services, provided by using fixed technologies, by service providers, %, 2016 IVQ (the total revenue from fixed broadband communication – EUR 25,19 million)

Subscribers. The number of subscribers of retail Internet access services, provided by using fixed technologies, as of 31 December, 2016 totalled 857,8 thousand (at the beginning of the period this figure was 851,9 thousand), during the quarter it increased by 0,7%, during the year – 2,9% (see Fig. 48).

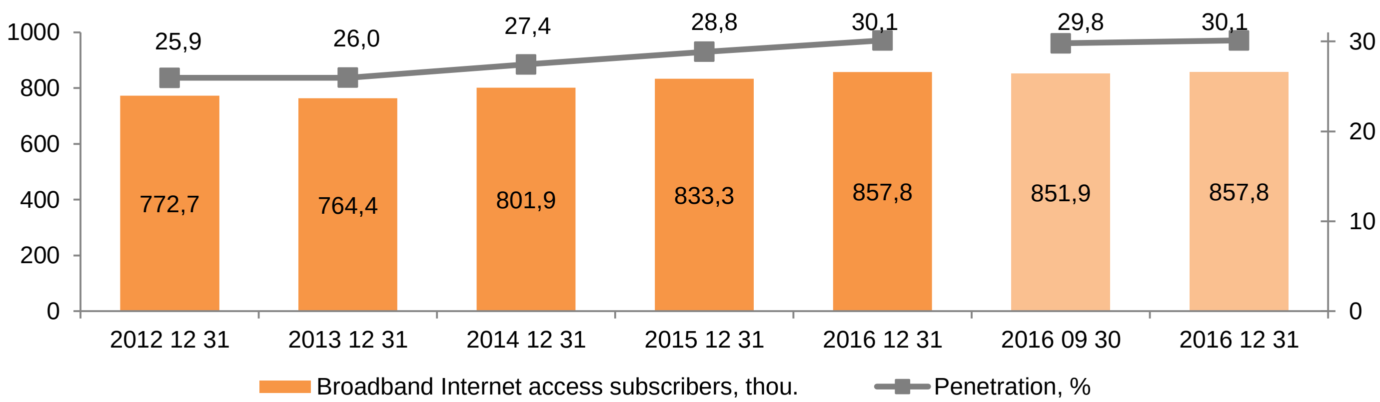


Fig. 48. The number of subscribers of retail Internet access services, provided by using fixed technologies, , thousand, and penetration, 2012 IVQ–2016 IVQ, %

On the fourth quarter of 2016 , 5,9 thousand of new subscribers were connected to broadband Internet by using fixed technologies, during the year – 24,5 thousand (see Fig. 49).

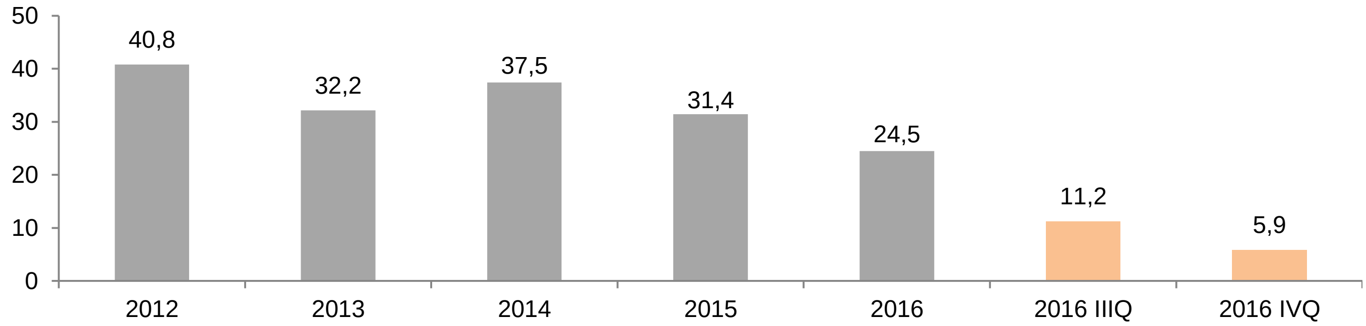


Fig. 49. The number of new subscribers of retail Internet access services, provided by using fixed technologies, connected within the quarter, thousand, 2012 IVQ–2016 IVQ

63,6% of subscribers of retail Internet access, provided by using fixed technologies, at the end of the third quarter of 2016 were using optical fibre communication lines (see Fig. 50).

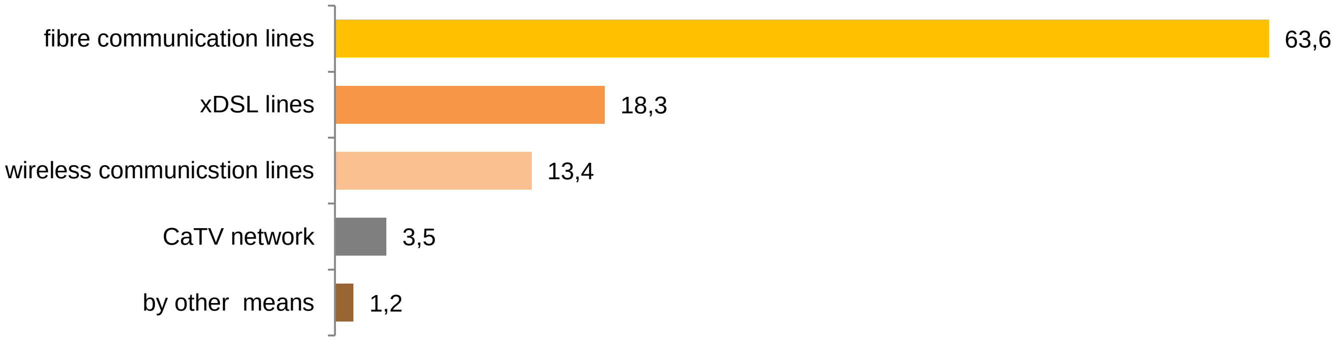


Fig. 50. The structure of the number of subscribers of retail Internet access, provided by using fixed technologies, , according to the manner of connection, %, 2016 IVQ (total number of broadband subscribers – 857,8 thousand

The largest market share according to the number of subscribers of retail Internet access, by using fixed technologies, (46,9%) was occupied by "Teo LT", AB (see Fig. 51).

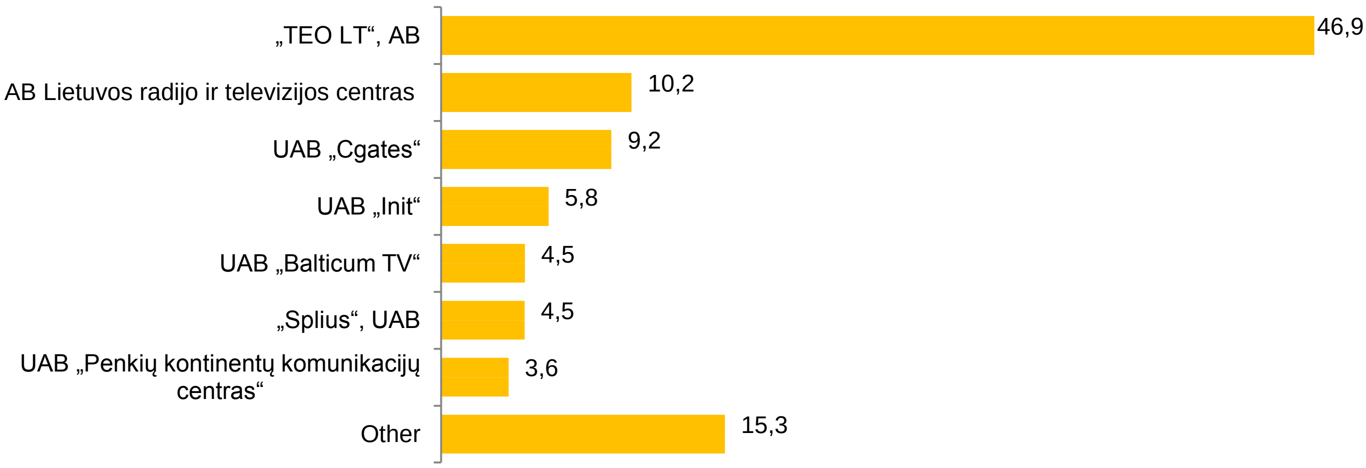


Fig. 51. The structure of the number of the subscribers of retail Internet access, provided by using fixed technologies, by service providers, %, 2016 IVQ (total number – 857,8 thousand)

Downstream speed. The downstream speed from 30 Mbps to 100 Mbps was the mostly used speed of broadband Internet access, provided by using fixed technologies, services and according to the total number of subscribers, and according to the total number of households in Lithuania, in the fourth quarter of 2016 (see Table 12 and Fig. 52).

Table 12. The structure of the number of subscribers of retail Internet access, provided by using fixed technologies, and households, by downstream speed, 2016 IVQ, %

Speed	The share of subscribers	The share of households
Until 2 Mbps	**1,4%**	**1,0%**
From 2Mbps to 10 Mbps	**19,8%**	**13,4%**
From 10 Mbps to 30 Mbps	**15,9%**	**10,7%**
From 30 Mbps to 100 Mbps	**36,0%**	**24,3%**
More than 100 Mbps	**26,8%**	**18,1%**

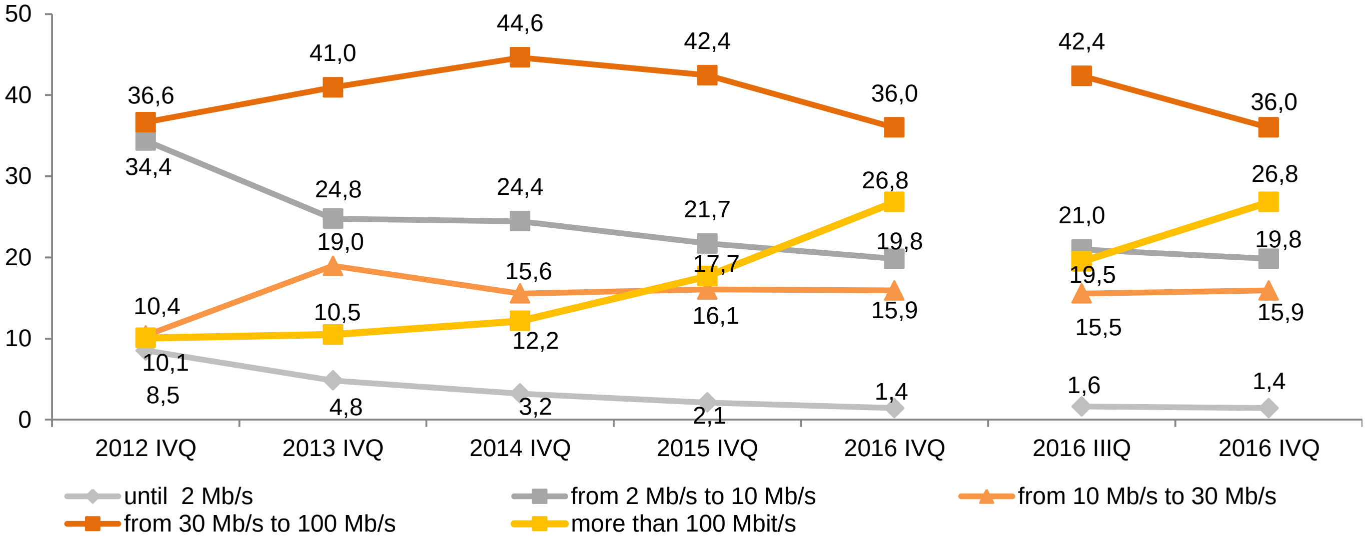
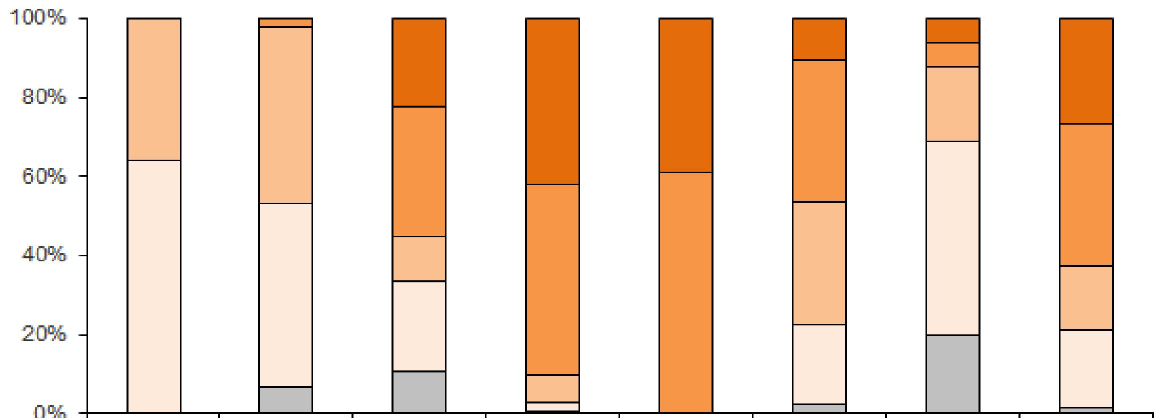


Fig. 52. The structure of the number of subscribers of retail Internet access, provided by using fixed technologies, by the downstream speed, %, 2012 IVQ–2016 IVQ

Most of the subscribers of Internet access fibre communication lines used the speed from 30 Mbps to 100 Mbps (see Fig. 53)



	xDSL lines	wireless communica -tion lines	CaTV networks	FTTB	FTTH	LAN (local area networks)	by leased line	Total
more than 100 Mbit/s	3	40	6.680	127.767	94.529	1.056	29	230.104
from 30 Mb/s to 100 Mb/s	1	2.671	9.833	145.274	147.262	3.672	27	308.740
from 10 Mb/s to 30 Mb/s	56.921	51.248	3.422	21.532	287	3.143	87	136.640
from 2 Mb/s to 10 Mb/s	100.310	53.091	6.788	7.477	64	2.062	226	170.018
until 2 Mb/s	60	7.574	3.181	1.120	14	218	92	12.259

Fig. 53. The structure of the number of subscribers using different fixed technologies to receive retail Internet access services, by downstream speed, %, 2016 IVQ

High speed (more than 30 Mbps) Internet access services or Next Generation Access (NGA) services mostly (96,2%) were provided by using fibre communication lines (FTTH -42,7%, FTTB – 53,5%).

Retail Internet access services by CaTV networks, using DOCSIS 3.0 technology (2,8%) and other technologies (LAN, leased line), under which services were provided to at least 30 Mbps speed (0,8%).

In the fourth quarter of 2016, the users' demand for higher speed retail Internet access service still prevailed. During the year the number of subscribers, to whom the downstream speed rate of 30 Mbps and higher is ensured, increased by 7,5%. In 31 December 2016, **42,4% of households were connected to the Internet by 30 Mbps and higher speed, including 18,1% – more than 100 Mbps** (see Fig. 54).

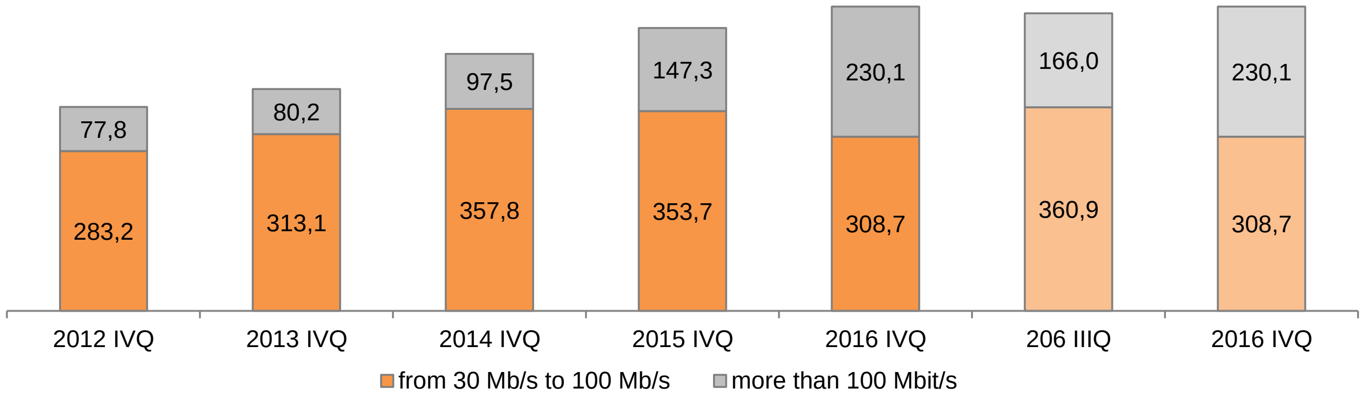


Fig. 54. The number of the retail Internet access subscribers to whom the downstream speed of 30 Mbps and higher is ensured, thousand, 2012 IVQ-2016 IVQ

According to the data prepared by *Point Topic Ltd*. for the third quarter of 2016, the broadband penetration (number of connections by using fixed broadband technologies per 100 population in European countries ranges from 9,3 to 43,5 (countries that have less than 0,5 million inhabitants are not included). The highest broadband penetration in the European countries was observed in Denmark, France, Switzerland, the lowest – in Ukraine, Montenegro, Serbia (see Fig. 55).

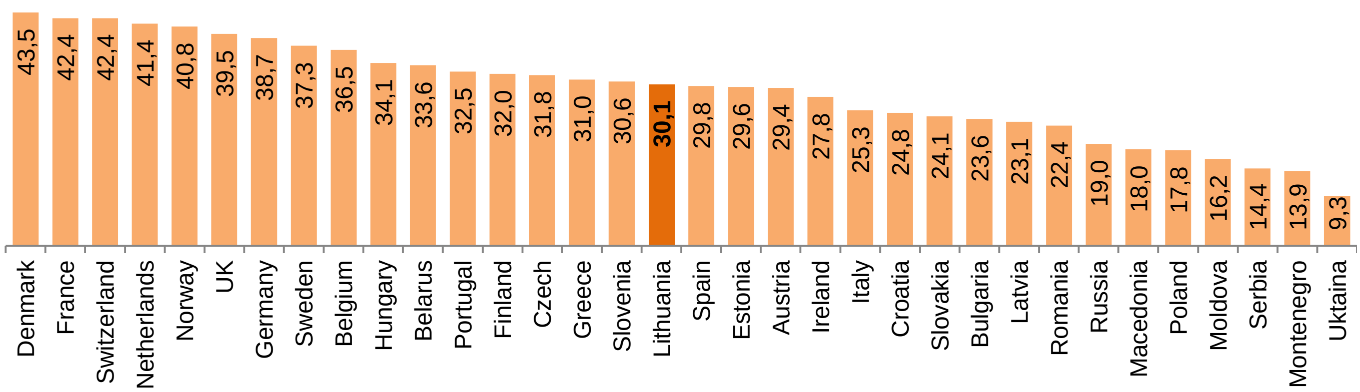


Fig. 55. The number of subscribers of retail Internet access services, provided using fixed broadband technologies, per 100 population in European countries, 2016 IIIQ

Remark. Lithuanian data according to the information available to the RRT

Source: Point Topic Ltd., RRT

According to the data, provided by *Point Topic Ltd*., during the year (2015 IIIQ–2016 IIIQ) the penetration of broadband communication mostly increased in Belarus (by 3,5 %), Portugal (by 2,7 %), Sweden (by 2,4 %) (see Fig. 56)

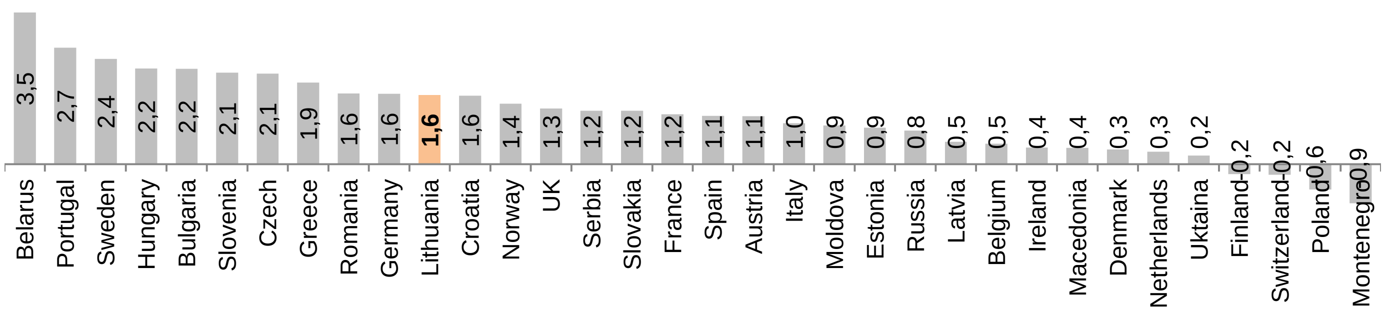


Fig. 56. Broadband penetration (number of subscribers per 100 population) in European countries, units, 2015 IIIQ–2016 IIIQ

Remark. Lithuanian data according to the information available to the RRT

Source: Point Topic Ltd., RRT

Fibre communication lines. According to the survey (September, 2016)[16] performed by FTTH Council Europe and company IDATE, Lithuania lost its number one position, but still assures the very good third position in the European ranking (see fig. 59) under fibre broadband (FTTH, FTTB) penetration (40,3 connections per 100 households). In the first place – Latvia (with 45,2 connections per 100 households, in the second –Sweden (40,7). Globally Lithuania took the 11th ranking, after UAE (93,7% of households), Qatar, Singapore, S. Korea, Hong Kong, Japan, Uruguay, Latvia, Taiwan and Sweden.

The ranking only took into account countries with more than 200,000 households and where the penetration rate is 1% and more. In this ranking were included two new countries – Serbia and Austria, comparing with the December 2015 survey, where the penetration rate exceeded 1%.

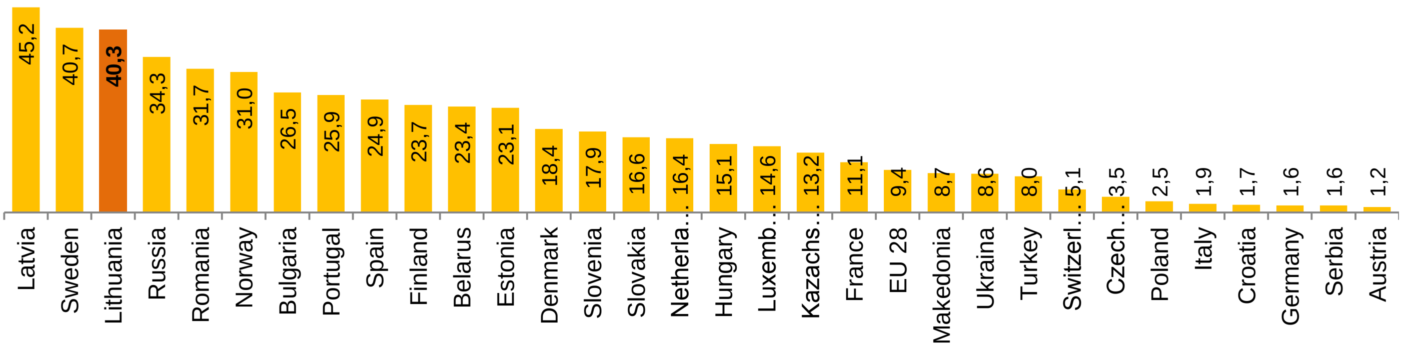


Fig. 57. Fibre broadband penetration (the number of FTTH, FTTB subscribers per 100 households) in European countries, 2016 IIIQ, unit

Source: FTTH Council Europe and IDATE

Fibre communication lines in Lithuania remains the main broadband technology. At the end of the fourth quarter of 2016, there were 545,3 thousand optical fibre optical communication lines in Lithuania, compared with the end of the third quarter of 2016, their number increased by 1,6%, during the year – 5,5% (28,2 thousand).

Totally **60 companies** in the fourth quarter of 2016 provided broadband Internet access services by using fibre optical communication lines. Apart of „Teo LT", AB, that had the biggest (45,2%) share of the market, by using fibre optical communication lines, according to the number of subscribers, 6 more companies had the market share bigger than 2% (see Fig. 57).

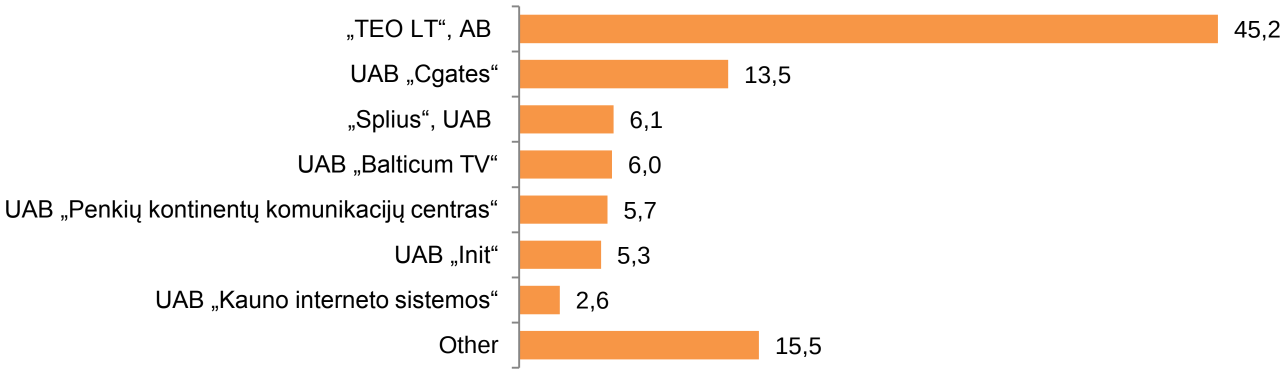


Fig. 58. The structure of the number of the retail Internet access subscribers, by using optical fibre communication lines, by service providers, 2016 IVQ, % (total number of subscribers 545,3 thousand)

[16] http://ftthcouncil.eu/documents/PressReleases/2016/PR20160217_FTTHranking_panorama_award.pdf.

KTV lines. Totally **13 companies** in the fourth quarter of 2016 provided broadband Internet access services by using cable TV network lines, 4 of them had the market share bigger than 2% (see Fig. 58)

Fig. 59. The structure of the number of the retail Internet access subscribers, by using CaTV networks, by Providers, 2016 IVQ, % (total number of subscribers 29,9 thousand)

Wireless lines. Totally 67 companies in the fourth quarter of 2016 provided broadband Internet access services by using wireless communication lines.

Full unbundled and shared access to the local loop. Also, for 84 subscribers were provided broadband Internet access services through full unbundled and shared access to the local loop.

Wholesale Internet access services

Wholesale Internet access services include wholesale broadband access ADSL services, FTTH wholesale services, Internet transit and other services. Wholesale Internet access services were provided by 7 service providers.

Revenue. Revenue, received from provision of wholesale Internet access services during the fourth quarter of 2016 was EUR 1,91 million (59,6% of revenue belonged to UAB „Satgate“, 25,0% – „Teo LT“, AB, 5,2% – UAB „Nacionalinis telekomunikacijų tinklas“, 3,4% – UAB „Ektra“, 2,1% – LATTELEKOM SIA affiliate,). In comparison with the last quarter, revenue decreased by 11,2%.

Number of lines. On 31 December 2016, the number of telephone lines, whereby the high-speed service of subscriber lines (hereinafter referred to as xDSL) is provided, totalled 157,7 thousand (41,9% of the total number of metallic twisted pair lines). During the fourth quarter it decreased by 1,8%, during the year it decreased by 4,7%.

„Teo LT“, AB provided the Internet access services to its customers by using 99,0% of the lines and 1.725 xDSL access units were whole-sold to other Internet access service providers.

8. OTHER DATA TRANSMISSION SERVICES

Other data transmission services[17] (further in this section – data transmission services) include retail and wholesale data transmission services, which in the fourth quarter of 2016 were provided by 16 service providers. In the fourth quarter of 2016, these data transmission services were provided: virtual private network (VPN), IP, Frame Relay, Ethernet, Ethernet VLAN, MPLS, etc.

Retail data transmission services

Revenues. The total revenue, received from provision of retail data transmission services**,** increased by 6,1%, comparing with the third quarter of 2016, and amounted to EUR 3,48 million. Total revenue received from provision of data transmission services during the tear 2016, in comparison with the year 2015, decreased by 1,4%.

„Teo LT“, AB had the largest data transmission service market share according to the revenues . The company‘s revenue, received from the provision of data transmission services in the fourth quarter of 2016 was 82,0% (see Fig. 59).

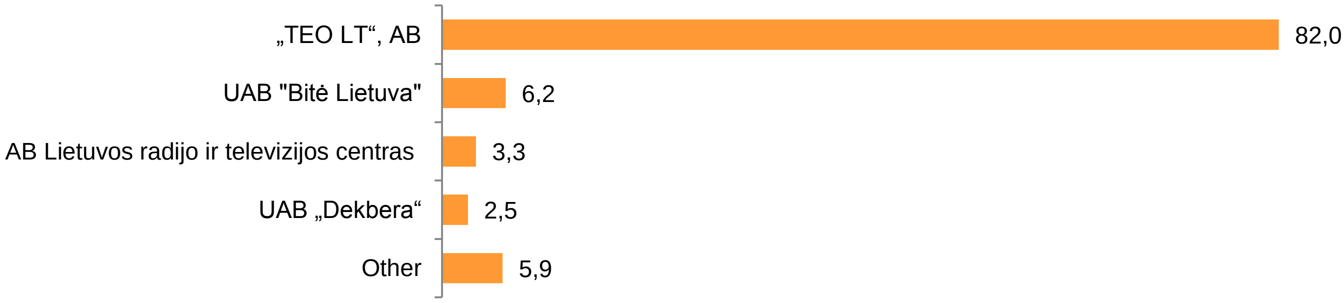


Fig. 60. The structure of revenues, received from provision of retail data transmission services by service providers, %, 2016 IVQ (the total revenue – EUR 3,48 million)

Subscribers. The total number of the subscribers who used retail data transmission services at the end of the fourth quarter of 2016 was 17,2 thousand, during the quarter it almost unchanged (increased by 0,01%, during the year – increased by 1,3%.

Wholesale data transmission services

These services were provided by 4 service providers. The total revenue, received from provision of wholesale data transmission services amounted to EUR 1,05 million (54,5% of revenues had „Teo LT“, AB, 44,5% – VšĮ „Plačiajuostis internetas“), in comparison with the last quarter, revenues increased by 3,3%.

[17] Data transmission services, excluding Internet access services and leased lines services

9. PAY TELEVISION SERVICES

In the fourth quarter of 2016, pay television services (pay-TV) were provided by 42 service providers. These services included television services provided through cable television (cable TV) and microwave multi-channel distribution system **(**MMDS) networks, TV services based on IP technologies (IPTV), digital terrestrial television (DVB-T) services and satellite TV.

Revenues. Total revenues received from pay-TV services during the fourth quarter of 2016, in comparison with the third quarter of 2016, increased by 0,6% and totalled EUR 16,33 million (see Fig.60

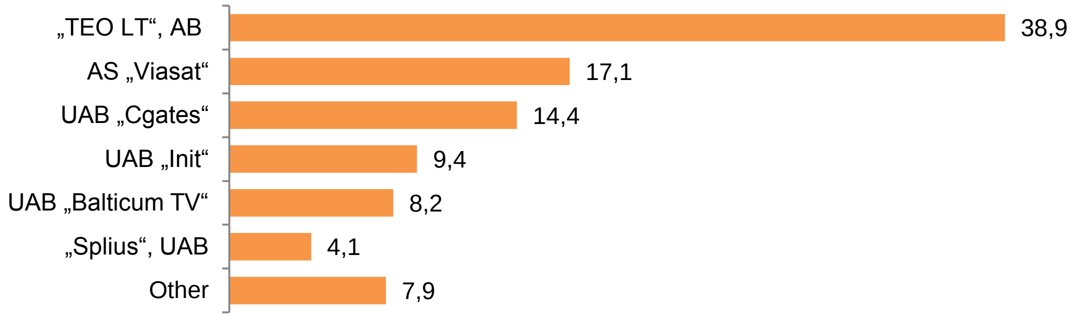


Fig. 61. The structure of revenues, received from provision pay television services by service providers 2016 IIIQ,% (total revenue – EUR 16,33 million)

`**Subscribers.** At the end of the fourth quarter of 2016, 707,4 thousand subscribers (i. e. 55,6% of all households) used pay-TV services. During the fourth quarter the number of pay-TV subscribers decreased by 0,2%.

The majority of subscribers (see Fig. 61) used cable TV services, but their percentage share decreases, as well as the share of TV services provided by other means (excluding IPTV). During the year market share of cable TV subscribers decreased by 1,6 percentage points. During the year only IPTV market share increased (by 4,0 percentage points).

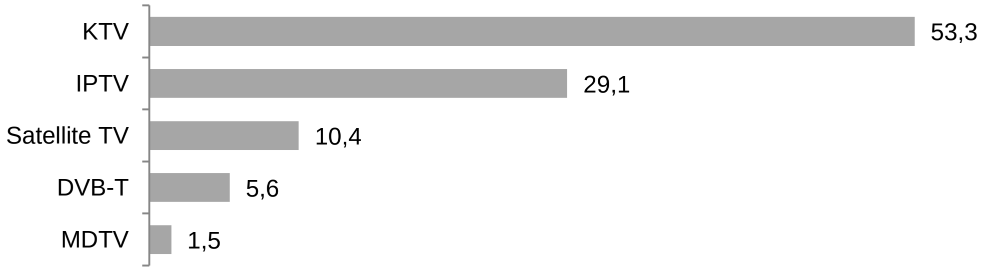


Fig. 62. The structure of the number of the pay-TV subscribers by the type of connection 2016 IVQ, % (total number of subscribers – 707,4 thousand

„Teo LT“, AB, took the largest market share (32,1%, during the year the share increased by 2,8 percentage points) according to the number of pay-TV subscribers (see Fig. 62).

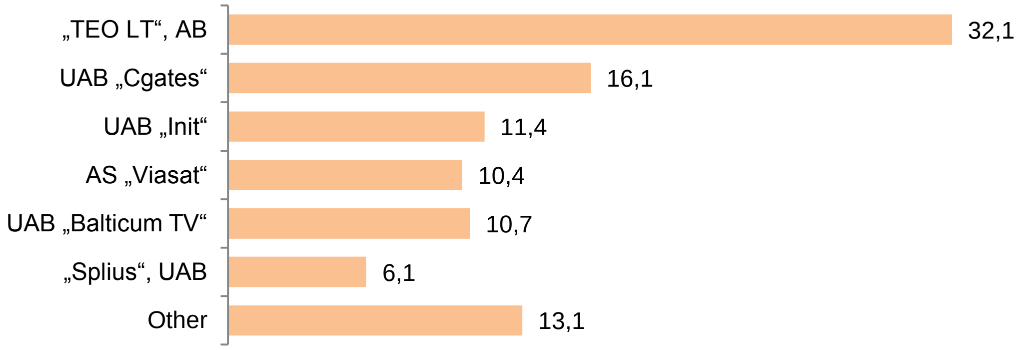


Fig. 63. The structure of the number of the pay-TV subscribers by service providers, 2016 IVQ, % (total number of subscribers – 707,4 thousand)

Digital TV. At the end of the fourth quarter of 2016, 69,8% (**494,1 thousand)** of pay-TV subscribers used digital pay-TV services. During the quarter the number of such subscribers increased by 2,8%, during the year – by 8,1%.

Most of the digital pay-TV subscribers used IPTV services (see Fig. 63)

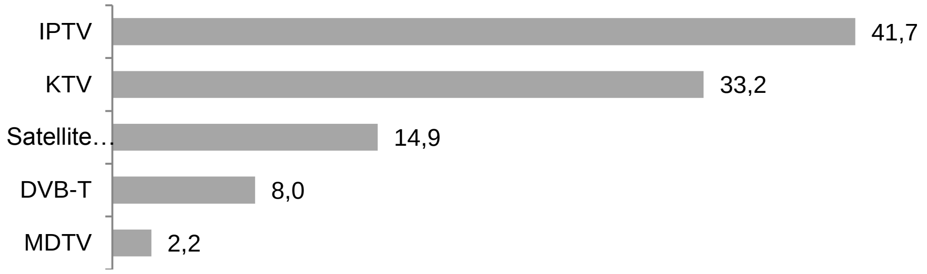


Fig. 64. The structure of the number of the digital television subscribers by the type of connection 2016 IVQ, % (total number of subscribers – 494,1 thousand

Cable TV and MMDS networks

In the fourth quarter of 2016, the activities of providing cable TV services were carried out by 30 service providers, including 2 of them that provided MMDS services as well.

23 service providers, providing cable TV and/or MMDS, also provided the Internet access services. 9 service providers (UAB „Balticum TV“, UAB „Init“, KLI LT UAB, UAB „Marsatas“, UAB „Radijo elektroninės sistemos“, UAB „Roventa“, Splius, UAB, UAB „Cgates“ and UAB „Zirzilė“) provided 3 services to their customers (fixed telephone, Internet access and cable TV services).

Revenues. The total revenue, received from the provision of cable TV and MMDS services in the fourth quarter of 2016, comparing with the third quarter of 2016, increased by 0,2% and amounted to EUR 7,05 million. Cable TV and MMDS market according to the revenues in the year 2016, in comparison with the year 2015, increased by 2,4%. UAB „Cgates“ received most(28,8%) of revenue from cable TV and MMDS services (see Fig. 64).

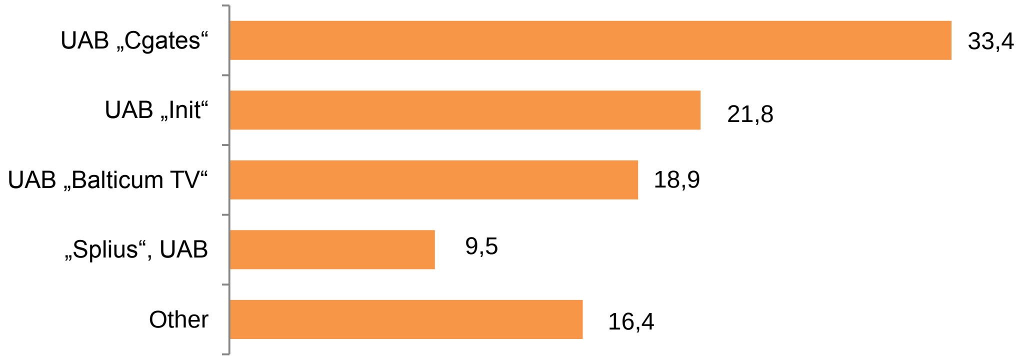


Fig. 65. The structure of revenue received from cable TV and MMDS services by service providers, 2016 IVQ, % (total revenue is EUR 7,05 million)

The total revenue, received from provision of digital TV services, provided through cable TV and MMDS networks, in the fourth quarter of 2016 amounted to EUR 3,84 million, in comparison with the third quarter of 2016, it increased by 5,8%.

Subscribers. On 31 December 2016, 377,4 thousand subscribers used cable TV services (during the quarter their number decreased by 0,9%), and 10,8 thousand subscribers used the MMDS services (during the quarter their number decreased by 1,3%). Most of the cable TV and MDTV subscribers (28,8%) had UAB „Cgates“ (see Fig. 65).

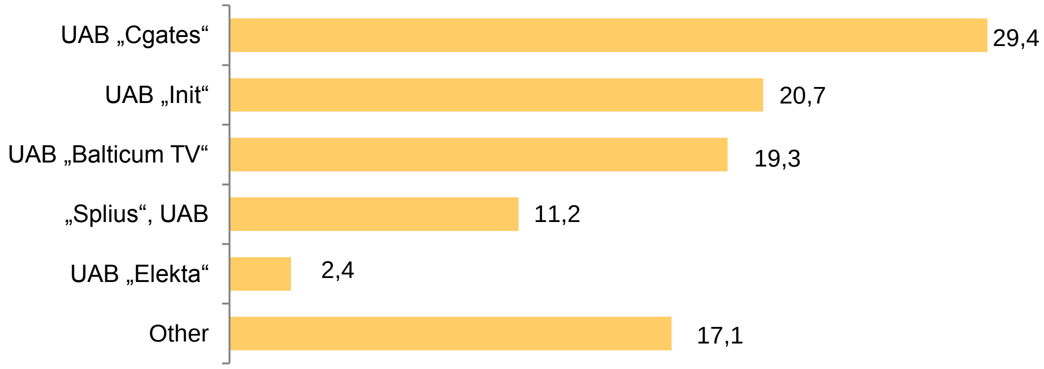


Fig. 66. The structure of the cable TV and MMDS subscribers by service providers, %, 2016 IVQ, % (total number – 388,1 thousand)

30,5% of Lithuania's households were connected to cable TV or MMDS, the number of households possible to be connected to the services was about 86%.

At the end of the fourth quarter of 2016 **174,8 thousand** used digital TV services, provided through cable TV and MMDS networks. During the quarter the number increased by 7,0%.

IPTV services

In the fourth quarter of 2016, IPTV services were provided by 16 service providers („Teo LT“, AB Lietuvos radijo ir televizijos centras, AB, UAB „AirnetTV“, UAB „Balticum TV“, UAB „Bitosis“, UAB „Consilium Optimum“, UAB „Data Business“, UAB „Duomenų greitkelis“, UAB „EcoFon“, UAB „Etanetas“, UAB „Init“, UAB „Kavamedia“, „KLI LT“, UAB, UAB „Penkių kontinentų komunikacijų centras“, UAB „Transteleservisas“, Ivančiko IĮ „Žaibas“).

During the fourth quarter of 2016, the revenues, received from provision of IPTV services, amounted to EUR 5,51 million, in comparison with the third quarter of 2016, it increased by 4,6%, comparing the year 2016 with the year 2015, the revenues increased by 29,0%.

At the end of the fourth quarter, there were 206,1 thousand IPTV subscribers (including 91,7% of „Teo LT“, AB, 6,4% – UAB „Penkių kontinentų komunikacijų centras“), during the quarter this number increased by 3,8%, during the year – 14,5%.

DVB–T services (pay services)

Pay DVB-T services in the fourth quarter of 2016 were provided by „Teo LT“, AB and UAB „Balticum TV“.

During the fourth quarter of 2016, the revenue, received from the DVB-T services, amounted to EUR 0,99 million, in comparison with the third quarter of 2016, it decreased by 6,9%, comparing the year 2016, with the year 2015, the revenue decreased by 11,7%.

At the end of the fourth quarter of 2016, there were 39,6 thousand DVB–T subscribers, during the quarter the number decreased by 9,5%, during the year it decreased by 18,6%.

Pay satellite TV

Pay satellite TV services in Lithuania in the fourth quarter of 2016 were provided by AS „Viasat“.

During the fourth quarter of 2016, the revenue, received from the satellite TV services, amounted to EUR 2,79 million. In comparison with the third quarter of 2016, it decreased by 2,8%, and comparing with the year 2015, in the year 2016 the revenue decreased by 5,8%.

At the end of the fourth quarter of 2016, there were 73,6 thousand of satellite TV subscribers, during the fourth quarter of 2016 the number decreased by 1,8%, during the year it decreased by 12,0%.

10. BUNDLED OFFERS

The provision of bundled offers is defined in this Report as provision of two or more services for one price, specified in one bill by one operator or service provider.

In the fourth quarter of 2016 9 providers of electronic communications services provided bundled offers: 2 providers provided both two and three services' bundles.

The following bundled offers were most popular with the subscribers:

- mobile telephone communication and broadband Internet – provided to 599,7 thousand (during the quarter decreased by 0,03%),
- fixed telephone communication and broadband Internet – provided to 62,2 thousand subscribers (during the quarter it increased by 1,3%),
- broadband Internet and television, which as of the end of the fourth quarter of 2016 was provided to 113,3 thousand subscribers (during the quarter it increased by 1,5%),
- fixed telephone communication, broadband Internet and television – provided to 96,2 thousand subscribers (during the quarter it increased by 2,2%).

11. RADIO AND TELEVISION PROGRAMMES TRANSMISSION SERVICES

According to the submitted data 2 undertakings (AB „Lietuvos radijo ir televizijos centras“ and „Teo LT“, AB) were engaged in the provision of wholesale radio and television programmes’ transmission services using national networks to other operators in the fourth quarter of 2016. Transmission services were provided via regional networks by UAB „Balticum TV“ and UAB „Šiaulių apskrities televizija“. UAB „Satgate“ provided transmission services not in the territory of Lithuania.

Revenue received from the provision of radio programmes transmission services in the fourth quarter of 2016 amounted approximately to EUR 0,29 million (increased by 2,7% comparing with the third quarter of 2016).

Revenue received from provision of television programmes’ transmission services amounted to EUR 0,89 million (increased by 7,9% comparing with the third quarter of 2016).

Total revenues received from the provision of radio and television transmission services during the year 2016, in comparison with the year 2015, increased by 7,5%.

ANNEX 1. SUMMARISED INDICATORS OF ELECTRONIC COMMUNICATIONS ACTIVITIES

Name of indicator	Quarter IV of 2016	Quarter III of 2016	Change in comparison with IIIQ of 2016, %	*2015.*	*2016*	Change in comparison 2015 with 2014, %
	I. Activity of the provision of public fixed network and/or public fixed telephone services					
1. Total number of fixed telephone subscribers, units	529.888	540.602	-1,98	560.790	529.888	-5,51
- consumers	374.653	383.590	-2,33	396.771	374.653	-5,57
- business subscribers	155.235	157.012	-1,13	164.019	155.235	-5,36
2. Total number of own telephone lines used for provision of public fixed telephone service, units	485.503	494.855	-1,89	516.288	485.503	-5,96
- consumers	365.317	373.632	-2,23	389.625	365.317	-6,24
- business subscribers	120.186	121.223	-0,86	126.663	120.186	-5,11
- the number of metallic twisted pair lines, with the exclusion of ISDN) lines	376.640	386.583	-2,57	412.611	376.640	-8,72
- including the number of lines used for provision of service of high speed rate digital subscriber lines (xDSL)	157.685	160.564	-1,79	165.468	157.685	-4,70
- the number of wireless communication lines	24.539	24.960	-1,69	26.198	24.539	-6,33
- the number of lines of cable television networks	615	607	1,32	566	615	8,66
- the number of lines of data communication networks	83.709	82.705	1,21	76.913	83.709	8,84
3. Total number of own ISDN lines, units (number of lines, not channels)	9.165	9.447	-2,99	10.126	9.165	-9,49
- consumers	679	647	4,95	606	679	12,05
- business subscribers	8.486	8.800	-3,57	9.520	8.486	-10,86
- ISDN BRA	8.520	8.805	-3,24	9.525	8.520	-10,55
- ISDN PRA	645	642	0,47	601	645	7,32
4. Number of telephone lines used for provision of public fixed telephone services using the access, provided by other electronic communications operators (the number of ISDN channels in case of ISDN)	2.582	2.689	-3,98	3.037	2.582	-14,98
- consumers	13	13	0,00	13	13	0,00
- business subscribers	2.569	2.676	-4,00	3.024	2.569	-15,05
- by means of carrier pre-selection	1.419	1.525	-6,95	1.777	1.419	-20,15
- by means of carrier selection	0	0	-	0	0	-
- by using fully unbundled access to local loop	0	0	-	0	0	-
- by using shared access to local loop	0	0	-	0	0	-
- other telephone lines	1.163	1.164	-0,09	1.260	1.163	-7,70
5. Total number of VoIP telephony subscribers using the access provided by other electronic communications operators, units	5.413	6.188	-12,52	4.385	5.413	23,44
- consumers	3.793	4.619	-17,88	3.345	3.793	13,39
- business subscribers	1.620	1.569	3,25	1.040	1.620	55,77
6. The number of pre-payment cards sold, units	17.133	17.752	-3,49	12.845	17.133	33,38
7. Total number of pay phones, units	983	1.028	-4,38	1.129	983	-12,93
- in cities	810	853	-5,04	948	810	-14,56
- in small towns and rural areas	173	175	-1,14	181	173	-4,42
8. Total number of disconnected telephones, units	14.614	12.099	20,79	47.367	50.524	6,66
- due to the debts for services	506	597	-15,24	2.586	2.432	-5,96

Name of indicator	Quarter IV of 2016	Quarter III of 2016	Change in comparison with IIIQ of 2016, %	*2015.*	*2016*	Change in comparison 2015 with 2014, %
- wished by the customer	14.108	11.502	22,66	44.781	48.092	7,39
9. Volumes of calls where calls are initiated in one's own network, total, thousand min:	196.010	182.118	7,63	869.315	798.747	-8,12
- consumers	140.750	131.185	7,29	649.827	579.676	-10,80
- business subscribers	55.261	50.933	8,50	219.488	219.071	-0,19
- services over short telephone numbers (excluding 10XX), when calls are terminated in own network	3.541	3.225	9,81	15.339	14.291	-6,83
- local calls (volume of calls when calls are terminated in own network within a geographical numbering area)	90.967	83.838	8,50	451.470	380.373	-15,75
- long-distance calls (volume of calls when calls are terminated in own network in other areas of geographical numbering)	28.570	26.794	6,63	138.672	119.263	-14,00
- international calls (calls terminated in the networks of foreign operators)	11.089	9.623	15,23	31.022	39.854	28,47
- to other public fixed telephone networks of the Republic of Lithuania	12.251	10.800	13,43	45.024	47.738	6,03
- to public mobile communication networks of the Republic of Lithuania	49.592	47.838	3,67	187.788	197.229	5,03
10. Volumes of calls where calls are terminated in one's own network, total, thousand min.:	108.484	101.698	6,67	423.944	427.552	0,85
- calls initiated in other public fixed communication networks of the republic of Lithuania	22.187	19.588	13,27	69.625	84.334	21,13
- calls initiated in public mobile communication networks of the republic of Lithuania	76.497	72.348	5,73	267.418	298.834	11,75
- calls initiated in the networks of operators of foreign countries	9.800	9.762	0,39	86.901	44.384	-48,93
11. Volumes of transit forwarded calls, thousand min.:	404.928	404.589	0,08	1.583.728	1.639.069	3,49
- to other public communication networks of the republic of Lithuania	101.314	86.388	17,28	263.996	358.495	35,80
- to telephone networks of foreign countries	303.614	318.201	-4,58	1.319.733	1.280.574	-2,97
12. Duration of calls, made by using pre-payment cards, thousand min.	691	696	-0,68	2.101	2.573	22,47
13. The number of users of services who make use of the public telephone service operator (carrier) (hereinafter referred to as the provider) selection service at least once within the reporting period, total, units:	1.083	1.038	4,34	555	1.083	95,14
- of which by means of pre-selection, units	1.083	1.038	4,34	555	1.083	95,14
14. The total volume of calls, initiated by the service users, who make use of provider selection service, thousand min.:	648	637	1,74	1.643	2.304	40,24
- including by those who use the pre-selection service	13	12	9,65	1.146	59	-94,84
15. Revenues from the retail provision of the public fixed communication network and/or services, in thousand EUR (excl. VAT)	10.747	10.800	-0,50	47.601	43.935	-7,70

Name of indicator	Quarter IV of 2016	Quarter III of 2016	Change in comparison with IIIQ of 2016, %	*2015.*	*2016*	Change in comparison 2015 with 2014, %
- consumers	6.251	6.407	-2,44	28.526	26.010	-8,82
- business subscribers	4.496	4.393	2,34	19.076	17.925	-6,03
including: for services over short telephone numbers (excluding 10xx), when calls are terminated in own network	115	132	-12,74	644	563	-12,64
- for local calls	2.011	2.045	-1,67	9.523	8.439	-11,38
- for domestic long-distance calls	871	874	-0,30	4.146	3.634	-12,34
- for international calls	967	870	11,12	3.322	3.557	7,09
- for the calls to other public fixed communication networks	211	208	1,54	919	866	-5,80
- for the calls to public mobile communication networks	1.185	1.158	2,33	4.245	4.575	7,80
- other revenues	5.386	5.513	-2,30	24.802	22.300	-10,09
16. The revenues, received from sales of pre-payment cards, in thousand EUR (excluding VAT)	58	64	-8,90	174	216	23,97
17. Revenues from wholesale public fixed communication network and/or services, thousand EUR (excl. VAT) (does not included the revenues, received from network interconnection activities)	183	149	22,87	691	632	-8,53
18. The revenues from network interconnection activities, thousand EUR (excl. VAT)	20.633	18.789	9,81	70.644	75.089	6,29
including: - the revenues for termination of calls, initiated in other public fixed communications networks of the Republic of Lithuania in the own network	94	98	-4,05	426	626	46,82
- the revenues for termination of calls, initiated in other public mobile communications networks of the republic of Lithuania in the own network	230	211	8,77	1.696	841	-50,44
- the revenues for termination of calls, initiated in foreign countries' networks in the own network	376	364	3,31	994	1.592	60,09
- the revenues for forwarding (transit) of calls)	19.920	18.104	10,03	67.468	70.294	4,19
	II. Provision of the public mobile communication network and/or public mobile telephone services					
1. Number of active mobile telephone subscribers	4.204.692	4.238.731	-0,80	4.184.053	4.204.692	0,49
- consumers, who pay for the services against the bills	1.744.188	1.715.245	1,69	1.664.814	1.744.188	4,77
- business subscribers, who pay for the services against the bills	930.988	922.125	0,96	882.967	930.988	5,44
- subscribers who make use of the prepaid service	1.529.516	1.601.361	-4,49	1.636.272	1.529.516	-6,52
2. The number of active subscribers who made use of UMTS (third generation of public mobile telephone network) services, units	2.668.162	2.640.614	1,04	2.907.670	2.668.162	-8,24
- consumers, who pay for the services against the bills	1.808.551	1.745.382	3,62	1.979.348	1.808.551	-8,63
- business subscribers, who pay for the services against the bills	377.753	378.163	-0,11	398.134	377.753	-5,12
- subscribers who make use of the prepaid service	481.858	517.069	-6,81	530.188	481.858	-9,12
3. The number of subscribers, who make use of the data transmission	2.408.985	2.371.636	1,57	2.225.826	2.408.985	8,23

Name of indicator	Quarter IV of 2016	Quarter III of 2016	Change in comparison with IIIQ of 2016, %	*2015.*	*2016*	Change in comparison 2015 with 2014, %
services (GPRS and/or EDGE and/or UMTS, UMTS HSDPA, LTE), provided by public mobile telephone network, units						
- consumers, who pay for the services against the bills	1.075.293	1.027.671	4,63	919.199	1.075.293	16,98
- business subscribers, who pay for the services against the bills	581.761	564.282	3,10	531.552	581.761	9,45
- subscribers who make use of the prepaid service	751.931	779.683	-3,56	775.075	751.931	-2,99
including: - LTE (Long Term Evolution)	1.184.167	1.049.800	12,80	573.092	1.184.167	106,63
4. The number of active subscribers of public mobile telecommunication services, using the M2M (Machine-to-machine or Man-to-machine, or Machine-to-man) technology, units	187.500	186.883	0,33	180.905	187.500	3,65
5. Volume of data forwarded and received by using the packet data services (GPRS and EDGE and/or UMTS, LTE), provided by mobile telephone network, TB:	22.282	18.798	18,53	32.894	67.607	105,53
- including the volume of received data	19.872	16.785	18,39	29.142	60.194	106,56
6. The number of short messages (SMS) forwarded, in thousands	1.256.517	1.235.822	1,67	6.350.221	5.259.336	-17,18
7. The number of multimedia messages (MMS) forwarded, in thousands	2.438	2.361	3,26	8.071	9.431	16,84
8. The total duration of calls, initiated in the own network, thousand min.:	2.123.771	2.129.521	-0,27	8.405.105	8.567.175	1,93
- the calls, terminated in the own network	1.191.843	1.202.193	-0,86	4.969.265	4.866.742	-2,06
- the calls to other public mobile communication networks of the republic of Lithuania	842.556	840.109	0,29	3.114.576	3.346.806	7,46
- the calls to public fixed communication networks of the republic of Lithuania	77.464	74.876	3,46	269.033	304.264	13,10
- international calls	11.907	12.343	-3,53	52.231	49.364	-5,49
9. The duration of calls, terminated in the own network, total, thousand min:	986.170	969.257	1,75	3.602.095	3.882.394	7,78
including: - from public fixed communication networks of the Republic of Lithuania	60.755	55.747	8,98	208.099	234.278	12,58
- from other public mobile communication networks of the Republic of Lithuania	827.310	816.793	1,29	3.072.536	3.276.307	6,63
- from the networks of foreign countries	98.105	96.717	1,44	321.459	371.809	15,66
10. Duration of calls of the subscribers who make use of roaming services, thousand min.:	78.494	76.417	2,72	192.220	268.114	39,48
- duration of calls when calls are initiated by the subscribers who have left for foreign countries	25.796	25.157	2,54	53.712	86.396	60,85
- duration of calls when calls are received by the subscribers who have left for foreign countries	52.698	51.260	2,81	138.508	181.718	31,20
11. Duration of calls of the subscribers of providers of foreign public mobile telephone services,	26.700	32.762	-18,50	91.758	107.670	17,34

Name of indicator	Quarter IV of 2016	Quarter III of 2016	Change in comparison with IIIQ of 2016, %	*2015.*	*2016*	Change in comparison 2015 with 2014, %
who have arrived in the Republic of Lithuania and who make use of roaming services, thousand min.:						
- duration of calls when calls are initiated by the subscribers of foreign public mobile telephone services, who have arrived in the Republic of Lithuania	10.719	13.608	-21,23	32.482	42.151	29,77
- duration of calls when calls are received by the subscribers of providers of foreign public mobile telephone services who have arrived in the Republic of Lithuania	15.981	19.154	-16,57	59.276	65.520	10,53
12 The revenues from provision of retail public mobile telephone network and/or services, thousand EUR (excl. the VAT):	57.663	57.349	0,55	199.522	221.637	11,08
from: - consumers, who pay for the services against the bills	29.720	28.736	3,42	97.847	111.782	14,24
- business subscribers, who pay for the services against the bills	15.113	14.685	2,91	51.260	57.710	12,58
- subscribers who make use of the prepaid service	12.830	13.927	-7,88	50.414	52.144	3,43
including: -the revenues, received for voice calls, including video calls	28.657	29.879	-4,09	120.260	117.647	-2,17
from: - consumers, who pay for the services against the bills	14.642	15.213	-3,75	62.737	60.802	-3,08
- business subscribers, who pay for the services against the bills	7.788	7.810	-0,29	29.893	30.896	3,36
- subscribers who make use of the prepaid service	6.227	6.856	-9,18	27.630	25.948	-6,09
- the revenues, received for the sent SMS with the exception of the revenues, received from the subscribers, using the M2M technology	6.113	5.693	7,39	23.937	23.581	-1,49
from: - consumers, who pay for the services against the bills	2.583	2.351	9,84	10.182	9.888	-2,90
- business subscribers, who pay for the services against the bills	1.471	1.188	23,83	4.503	5.037	11,86
- subscribers who make use of the prepaid service	2.060	2.154	-4,34	9.252	8.657	-6,43
- the revenues, received for the forwarded MMS	217	201	7,72	672	770	14,63
from: - consumers, who pay for the services against the bills	114	99	14,75	296	378	27,88
- business subscribers, who pay for the services against the bills	70	64	9,19	214	246	15,07
- subscribers who make use of the prepaid service	33	38	-13,16	162	146	-10,12
- the revenues, received for provision of data communication services (by using the GPRS and/or EDGE technologies and/or UMTS, UMTS HSDPA, LTE)	18.546	17.657	5,04	44.714	64.928	45,21
from: - consumers, who pay for the services against the bills	10.427	9.335	11,69	20.076	34.182	70,26
- business subscribers, who pay for the services against the bills	4.763	4.625	2,98	13.582	17.754	30,72
- subscribers who make use of the prepaid service	3.357	3.697	-9,19	11.056	12.992	17,52

Name of indicator	Quarter IV of 2016	Quarter III of 2016	Change in comparison with IIIQ of 2016, %	*2015.*	*2016*	Change in comparison 2015 with 2014, %
- other revenues	4.130	3.919	5,37	9.939	14.710	48,00
from: - consumers, who pay for the services against the bills	1.955	1.738	12,48	4.555	6.531	43,38
- business subscribers, who pay for the services against the bills	1.021	998	2,31	3.069	3.777	23,09
- subscribers who make use of the prepaid service	1.153	1.183	-2,51	2.315	4.401	90,13
13. The revenues, received from M2M services, thousand EUR (excl. VAT):	670	647	3,64	2.461	2.589	5,23
from: - consumers, who pay for the services against the bills	4	4	-8,96	13	16	20,17
- business subscribers, who pay for the services against the bills	666	642	3,72	2.447	2.573	5,15
- subscribers who make use of the prepaid service	0	0	-	0	0	-
14. The revenues, received from calls, made by subscribers using roaming services, thousand EUR (excl. VAT):	4.135	4.204	-1,64	24.162	18.129	-24,97
from: - consumers, who pay for the services against the bills	1.231	1.347	-8,67	8.367	5.828	-30,34
- business subscribers, who pay for the services against the bills	2.404	2.309	4,14	12.489	10.037	-19,63
- subscribers who make use of the prepaid service	501	548	-8,69	3.306	2.263	-31,53
15. The revenues, received from foreign countries' public mobile telephone service providers for the calls, made by their subscribers who visit the Republic of Lithuania and use roaming services, thousand EUR (excl. the VAT)	1.315	2.260	-41,82	4.613	6.257	35,62
16. The revenues from wholesale public mobile telephone network and/or service provision, thousand EUR (excl. VAT) (the item does not cover the revenues from networks interconnection activities)	1.035	981	5,59	3.367	3.675	9,13
17. Revenues from the networks interconnection activity, in thousand EUR (excl. VAT)	14.286	14.338	-0,36	56.142	59.221	5,48
including: - the revenues for termination of calls, initiated in public fixed telephone networks of the republic of Lithuania in the own network	507	585	-13,32	1.829	2.236	22,25
- the revenues for termination of calls, initiated in other public mobile telephone networks of the republic of Lithuania in the own network	8.869	8.920	-0,57	35.391	36.389	2,82
- the revenues for termination of calls, initiated in foreign networks in the own network	1.667	1.937	-13,90	4.123	7.998	94,00
	III. Leased lines service provision					
1. Number of leased lines provided to others, total, in units	1.012	1.002	1,00	1.088	1.012	-6,99
2. Number of analogous leased lines provided to others, in units:	359	373	-3,75	409	359	-12,22
3. Number of digital leased lines provided to others, in units:	653	629	3,82	679	653	-3,83
– up to 2 Mbps (inclusive)	291	381	-23,62	471	291	-38,22

Name of indicator	Quarter IV of 2016	Quarter III of 2016	Change in comparison with IIIQ of 2016, %	*2015.*	*2016*	Change in comparison 2015 with 2014, %
- more than 2 Mb/s	362	248	45,97	208	362	74,04
4. The revenues from provision of retail leased lines services, thousand EUR (excl. VAT)	339	466	-27,20	2.539	1.808	-28,78
5. The revenues from provision of wholesale leased lines services, thousand EUR (excluding VAT) (the item does not cover the revenues, received from networks interconnection activities)	407	401	1,62	1.716	1.609	-6,24
	IV. Internet access services provision					
1. Total number of subscribers of the Internet access services, units	1.274.838	1.247.369	2,20	1.187.148	1.274.838	7,39
- consumers	961.318	943.587	1,88	913.390	961.318	5,25
- business subscribers	313.520	303.782	3,21	273.758	313.520	14,52
- the number of subscribers, who connected to the Internet through the mobile public telephone network by using fixed rate plans, intended for payment for the Internet access services, provided by using a computer	417.077	395.458	5,47	353.850	417.077	17,87
- consumers	161.984	149.803	8,13	133.969	161.984	20,91
- business subscribers	255.093	245.655	3,84	219.881	255.093	16,01
- the number of subscribers, who connected to the Internet via xDSL lines	157.295	160.170	-1,79	165.164	157.295	-4,76
- consumers	144.735	147.032	-1,56	150.053	144.735	-3,54
- business subscribers	12.560	13.138	-4,40	15.111	12.560	-16,88
- the number of subscribers, connecting to the Internet via wireless communication lines, apart of the public mobile tel. network	114.624	114.085	0,47	108.818	114.624	5,34
- consumers	104.788	104.347	0,42	99.780	104.788	5,02
- business subscribers	9.836	9.738	1,01	9.038	9.836	8,83
- the number of subscribers, connected to the Internet by using WiMax technology	30.051	38.709	-22,37	54.173	30.051	-44,53
- consumers	27.732	36.012	-22,99	50.591	27.732	-45,18
- business subscribers	2.319	2.697	-14,02	3.582	2.319	-35,26
- the number of subscribers, connected to the Internet by using WiFi technology	50.957	51.262	-0,59	48.931	50.957	4,14
- consumers	47.582	47.846	-0,55	45.873	47.582	3,73
- business subscribers	3.375	3.416	-1,20	3.058	3.375	10,37
- the number of subscribers, connected to the Internet by using other wireless communication technologies	33.616	24.114	39,40	5.714	33.616	488,31
- consumers	29.474	20.489	43,85	3.316	29.474	788,84
- business subscribers	4.142	3.625	14,26	2.398	4.142	72,73
- the number of subscribers, connected to the Internet via the cable TV networks	29.904	30.486	-1,91	31.969	29.904	-6,46
- consumers	29.611	30.172	-1,86	31.615	29.611	-6,34
- business subscribers	293	314	-6,69	354	293	-17,23
- the number of subscribers, using the Internet access services, provided over cable television networks by using the DOCSIS3.0 specification (Data Over Cable	16.460	15.559	5,79	11.821	16.460	39,24

Name of indicator	Quarter IV of 2016	Quarter III of 2016	Change in comparison with IIIQ of 2016, %	*2015.*	*2016*	Change in comparison 2015 with 2014, %
Service Interface Specification)						
- the number of subscribers, connected to the Internet via fibre communication lines	545.326	536.928	1,56	517.099	545.326	5,46
- consumers	510.538	502.952	1,51	488.667	510.538	4,48
- business subscribers	34.788	33.976	2,39	28.432	34.788	22,36
- FTTB (Fibre to the Building)	303.170	300.352	0,94	297.658	303.170	1,85
- consumers	285.793	283.477	0,82	285.103	285.793	0,24
- business subscribers	17.377	16.875	2,97	12.555	17.377	38,41
- FTTH (Fibre to the Home)	242.156	236.576	2,36	219.441	242.156	10,35
- consumers	224.745	219.475	2,40	203.564	224.745	10,41
- business subscribers	17.411	17.101	1,81	15.877	17.411	9,66
- the number of subscribers, connected to the Internet via local area networks (LAN) (excluding subscribers, connected to the Internet by using FTTB)	10.151	9.789	3,70	9.802	10.151	3,56
- consumers	9.661	9.280	4,11	9.301	9.661	3,87
- business subscribers	490	509	-3,73	501	490	-2,20
- the number of subscribers, connected to the Internet via a leased line	461	453	1,77	446	461	3,36
- consumers	1	1	0,00	5	1	-80,00
- business subscribers	460	452	1,77	441	460	4,31
2. **The revenues from the provision of retail Internet access services, thousand EUR (excluding VAT)**	32.316	31.428	2,82	116.437	125.357	7,66
- from consumers	23.857	23.504	1,50	86.621	93.464	7,90
- from business subscribers	8.459	7.924	6,74	29.817	31.893	6,96
- from the subscribers, connected to the Internet through the mobile public telephone network using a computer and paying for the Internet access services according to fixed rate plans	7.117	6.571	8,30	21.039	25.763	22,46
- consumers	3.974	3.818	4,08	12.172	14.783	21,45
- business subscribers	3.143	2.753	14,15	8.867	10.980	23,84
- from the subscribers, connected to the Internet via xDSL lines	4.513	4.610	-2,11	20.046	18.552	-7,46
- consumers	3.693	3.736	-1,14	15.446	14.947	-3,23
- business subscribers	820	874	-6,24	4.600	3.605	-21,63
- from the subscribers, connected to the Internet via wireless lines	3.217	3.208	0,27	12.578	12.680	0,81
- consumers	2.640	2.645	-0,17	10.423	10.446	0,22
- business subscribers	577	564	2,36	2.155	2.234	3,68
including: - from the subscribers, connected to the Internet by using WiMax technology	563	740	-23,86	4.703	3.196	-32,04
- consumers	506	678	-25,33	4.266	2.914	-31,69
- business subscribers	57	62	-7,81	437	282	-35,48
- from the subscribers, connected to the Internet by using WiFi technology	1.826	1.827	-0,03	6.782	7.256	6,98
- consumers	1.518	1.529	-0,71	5.669	6.064	6,96
- business subscribers	308	298	3,46	1.113	1.192	7,07
- from the subscribers, connected to the Internet by using other wireless communication	828	642	28,97	1.092	2.228	103,99

Name of indicator	Quarter IV of 2016	Quarter III of 2016	Change in comparison with IIIQ of 2016, %	*2015.*	*2016*	Change in comparison 2015 with 2014, %
technologies						
- consumers	616	438	40,70	487	1.468	201,15
- business subscribers	212	204	3,85	605	761	25,72
- from the subscribers, connected to the Internet via cable television networks	506	520	-2,77	2.311	2.151	-6,94
- consumers	495	509	-2,73	2.250	2.105	-6,46
- business subscribers	11	11	-4,72	61	46	-24,69
- from the subscribers, connected to the Internet via fibre communication lines	16.442	16.192	1,55	58.440	64.414	10,22
- consumers	12.906	12.646	2,06	45.631	50.582	10,85
- business subscribers	3.537	3.546	-0,27	12.809	13.832	7,99
including: - FTTB (Fibre to the Building)	6.925	6.942	-0,25	27.083	27.821	2,72
- consumers	5.591	5.552	0,70	22.219	22.534	1,41
- business subscribers	1.334	1.390	-4,04	4.864	5.287	8,71
- FTTH (Fibre to the Home)	9.518	9.250	2,89	31.357	36.593	16,70
- consumers	7.315	7.094	3,11	23.412	28.048	19,80
- business subscribers	2.203	2.156	2,16	7.945	8.545	7,55
- from the subscribers, connected to the Internet via local area networks (LAN)	191	178	7,33	836	736	-11,96
- consumers	148	151	-2,00	689	598	-13,23
- business subscribers	43	27	59,02	147	138	-6,00
- from the subscribers, connected to the Internet via the leased line	330	149	121,81	1.187	1.062	-10,53
- consumers	1	0	228,57	9	5	-48,82
- business subscribers	328	148	121,51	1.178	1.057	-10,23
3. Revenues from wholesale Internet access service provision, thousand EUR (excl. VAT)	1.909	2.150	-11,18	10.928	6.783	-37,94
4. Total number of public wireless Internet zones (hotspots), where the wireless computer network technology is implemented, units	2.933	2.764	6,11	4.246	2.933	-30,92
- including free of charge	49	54	-9,26	39	49	25,64
5. The speed rate of clear international Internet communication channel, Mbps	458.807	453.467	1,18	338.280	458.807	35,63
	V. Other data transmission services provision activity (apart of the Internet access service provision)					
1. The number of subscribers, to whom other data transmission services are provided', units:	17.241	17.239	0,01	17.023	17.241	1,28
- consumers	1.001	1.002	-0,10	1.012	1.001	-1,09
- business subscribers	16.240	16.237	0,02	16.011	16.240	1,43
2. The revenues from retail data transmission service provision, thousand EUR (excluding VAT) (the item does not cover the revenues from the internet access service provision)	3.482	3.281	6,13	13.644	13.451	-1,41
3. The revenues from wholesale data transmission service provision, thousand EUR (excluding VAT) (the item does not cover the revenues from the internet access service provision)	1.054	1.021	3,27	3.890	4.035	3,72

Name of indicator	Quarter IV of 2016	Quarter III of 2016	Change in comparison with IIIQ of 2016, %	*2015.*	*2016*	Change in comparison 2015 with 2014, %
VI. Provision of not used the physical optical fibre (D*ark Fibre*)						
1. The number of not used physical optical fibre, provided to others, units	2.761	2.945	-6,25	3.066	2.761	-9,95
2. The revenues, received for provision of physical optical fibre, thousand EUR (excluding VAT)	1.366	1.310	4,30	5.429	5.344	-1,58
VII. Television activity						
1. Total number of TV services subscribers (pay TV), units:	707.388	709.014	-0,23	722.327	707.388	-2,07
-including digital TV subscribers	494.055	480.554	2,81	456.854	494.055	8,14
2. Total number of cable television subscribers, units:	377.361	380.961	-0,94	397.867	377.361	-5,15
- number of digital television subscribers	164.028	152.501	7,56	132.394	164.028	23,89
3. **The total number of microwave multi-channel television subscribers, units:**	10.780	10.926	-1,34	12.216	10.780	-11,76
4. The number of subscribers of digital terrestrial television (DVB-T), units	39.584	43.747	-9,52	48.650	39.584	-18,64
5. The number of subscribers of satellite television, units	73.602	74.921	-1,76	83.647	73.602	-12,01
6. The number of IPTV subscribers, units	206.061	198.459	3,83	179.947	206.061	14,51
7. The revenues from television activities, thousand EUR (excluding VAT),	16.333	16.234	0,61	60.303	64.339	6,69
- from digital TV	13.128	12.832	2,31	44.454	50.566	13,75
including:- from cable television,	6.779	6.762	0,25	26.275	27.016	2,82
- including: - from digital cable television	3.574	3.360	6,37	10.426	13.244	27,03
- from microwave multi-channel television,	269	273	-1,43	1.182	1.106	-6,40
- from IPTV	5.511	5.270	4,56	15.969	20.604	29,03
- from digital terrestrial television (DVB-T)	985	1.058	-6,88	4.818	4.255	-11,69
- from satellite television	2.789	2.870	-2,84	12.060	11.357	-5,83
VIII. Provision of radio and television programmes transmission services to others						
1. The revenues from provision of radio programmes transmission service, thousand EUR (excluding VAT)	294	287	2,65	956	1.156	20,96
2. The revenues from provision of television programmes transmission service, thousand EUR (excluding VAT)	891	826	7,88	3.384	3.511	3,73
IX. Type of bundled offer (commercial offer of a single operator which includes two or more services such as fixed and mobile public telephony services, access to TV programmes and broadband internet access, offered for a single price and as part of one bill)						
1. Number of double-play subscribers [1], units,	775.316	773.002	0,30	504.595	775.316	53,65
including:- fixed voice telephony and broadband internet	62.227	61.437	1,29	57.220	62.227	8,75
- fixed voice telephony and television	0	0	-	0	0	-

Name of indicator	Quarter IV of 2016	Quarter III of 2016	Change in comparison with IIIQ of 2016, %	*2015.*	*2016*	Change in comparison 2015 with 2014, %
- fixed voice telephony and mobile voice telephony	0	0	-	0	0	-
- broadband internet and television	113.346	111.651	1,52	103.805	113.346	9,19
- mobile voice telephony and broadband internet	599.743	599.914	-0,03	343.570	599.743	74,56
- mobile voice telephony and television	0	0	-	0	0	-
2. Number of triple play subscribers[1], units	96.217	94.170	2,17	83.551	96.217	15,16
including:- fixed voice telephony, broadband internet and television	96.217	94.170	2,17	83.551	96.217	15,16
- fixed voice telephony, mobile voice telephony and broadband internet	0	0	-	0	0	-
- fixed voice telephony, mobile voice telephony and television	0	0	-	0	0	-
- mobile voice telephony, broadband internet and television	0	0	-	0	0	-
	X. Investments					
1. Investments (thousand EUR)	33.693	29.883	12,75	98.361	128.097	30,23
- including the investments into the electronic communication network infrastructure	24.500	17.900	36,87	78.883	97.837	24,03
including: – Teo LT, AB	10.181	5.917	72,07	23.743	29.267	23,27
– mobile communications operators	8.354	8.364	-0,12	35.122	52.187	48,59
– other electronic communications operators	5.965	3.619	64,80	20.018	16.382	-18,16

ANNEX 2. THE LIST OF PROVIDERS OF ELECTRONIC COMMUNICATIONS NETWORKS AND SERVICES

A	UAB „Acta iuventus“, UAB „Agon Networks“, UAB „AirnetTV“, A. Judicko individuali įmonė, UAB „Alantos kompiuterių servisas“, UAB „Alpha Komunikacijos“, UAB „Alterkomas“, UAB „Auridija“, UAB „Autožvilgsnis“, UAB „AVVA”.
B	UAB „Balticum TV“, UAB „Baltnetos komunikacijos“, **UAB „Bitė Lietuva“**, UAB „Bitosis“.
C	**UAB „Cgates“**, UAB „Consilium Optimum“, **UAB „CSC Telecom“**.
D	UAB „Davgita“, UAB „Dekbera“, UAB „Dicto Citius“, DIDWW Ireland Ltd“, UAB „Dinetas“, UAB „DKD“, UAB „Duomenų ekspresas“, UAB „Duomenų logistikos centras“, UAB „Duomenų greitkelis“, UAB „Dzūkijos internetas“.
E	**UAB „EcoFon“**, UAB „Ektra“, UAB „Elekta“, L. Bulovo firma „Elektromedija“, UAB „Elneta“, UAB „Eltida“, UAB „Etanetas“, UAB „Eteris“, UAB „Eurocom“, UAB „Eurofonas“.
F	UAB „Funaris“
G	UAB „Gisnetas“, G. Pečiulio įmonė.
H	Henriko Abramavičiaus įmonė, „Hibernia Media (UK) limited“.
I	UAB „Ignalinos televizija“, UAB „Ilora“, UAB „Informacijos labirintas“, VĮ „Infostruktūra“, UAB „Init“, UAB „Infoseka“, Į„ IT Kubas“.
J	J. Jasiulionio IĮ, „J. Varno Vilniaus radijo studija“.
K	UAB „Kalbu LT“, UAB „Kalvanet“, UAB „Kateka“, UAB „Kauno interneto sistemos“, UAB „Kava“, „Kavamedia“, UAB, UAB „Kednetas“, „KLI LT“, UAB, UAB „Kodas“, UAB „Krėna“, KTU Informacinių technologijų plėtros institutas, UAB „Kvartalo tinklas“.
L	UAB „Lansneta“, „Lattelekom“, SIA filialas, UAB „Lema“, **AB „Lietuvos geležinkeliai“, AB Lietuvos radijo ir televizijos centras**, UAB „Linaspas“, UAB „Linx telecommunications“, UAB „LT telekomunikacijos“.
M	UAB „Magnetukas“, UAB „Mano kamanė“, UAB „Marsatas“, UAB „Mavy studija“, **UAB „Mediafon“,** UAB „Mediafon Carrier Services“, UAB „Medium Group“, UAB „Metameda ir ko“, UAB „Miesto tinklas, UAB „Molėtų radijas ir televizija“, UAB „M projektai.
N	**UAB „Nacionalinis telekomunikacijų tinklas“**, UAB „NNT“, UAB „Neltė“, UAB „Netsis“, UAB „N plius“.
O	AB „Ogmios centras“, **UAB „Omnitel“**, UAB „Ozo tinklas“.
P	UAB „Pakeleivis“, UAB „Parabolė“, UAB „Patrimpas“, **UAB „Penkių kontinentų komunikacijų centras“**, UAB „Peoplefone“, VšĮ „Plačiajuostis internetas“, UAB „Proitas“, UAB „Progmera“.
R	UAB „Radijo elektroninės sistemos“, UAB „Raystorm“, UAB „Remo televizija“, UAB „Roventa“.
S	UAB „Satgate“, IĮ „Satinet“, UAB „SauleNet“, UAB „Skaidula“, UAB „Skylink LT“, UAB „Socius“, „Splius“, UAB, UAB „Sugardas“.
Š	AS „Šiaulių apskrities televizija“; UAB „Šilutės internetas“
T	UAB "TCG Telecom", UAB „Teledema“, UAB „Teledema SIP“, **UAB „Tele2“**, **UAB „Telekomunikacijų grupė“**, UAB „Telekomunikaciniai projektai“, UAB „Teleksas“, UAB „Telemeta“, UAB „Teletinklas“, UAB „Televizijos komunikacijos“, **„Teo LT“, AB,** UAB „Transteleservis“..
U	-
V	UAB „Verslo tiltas“, AS „Viasat“, UAB „Vinetika“, UAB „Viltuva“, Vytauto Ričkausko įmonė, **UAB „Voxbone“**.
Z	UAB „Zirzilė“
Ž	Ivančiko IĮ „Žaibas“

* - 8 service providers (REVAL VARA OÜ, UAB „Linkotelus“, UAB „Data Business“, IĮ „Inlo“, Aurimo Zaicos IV, VšĮ „Comtel“, UAB „Ramnet“, UAB „Horda“)did not provide the reports.

Advisor of Economic Analysis Division Vilma Grigaliūnienė
e-mail: vilma.grigaliuniene@rrt.lt