

NATIONAL COMMISSION FOR THE STATE REGULATION OF COMMUNICATIONS AND INFORMATIZATION (NCCIR)

Broadband development in Ukraine

Market overview and key initiatives

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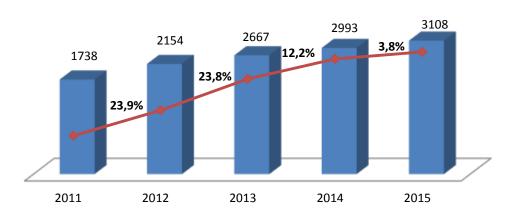




Structure of broadband market

- The major drivers force of fixed BB network roll-out in the rural area is the medium-sized business (MSB)
 - 97% of all registered operators and providers are MSB

The dynamics of growing number of telecom providers in 2011-2015 (1Q-2Q)



Comments

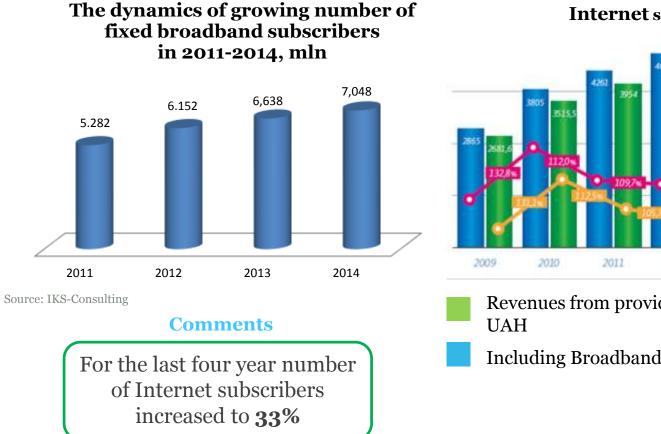
For the last four year (since 2011 to 2014) number of telecom providers increased to 72,2%(incl. 1Q-2Q of 2015 – 78,8%)

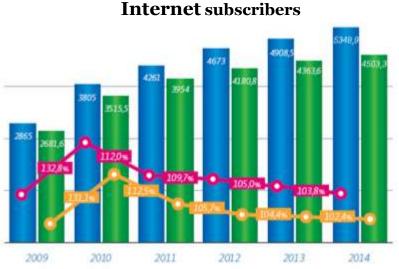
Source: NCCIR



Fixed broadband and Internet subscribers

Number of households were 17,5 mln in the Q4 of 2014, over 7 mln of which were private subscribers





Revenues from providing Internet access, mln

Including Broadband access

Source: State Statistics Committee 01.01.2015



Broadband penetration

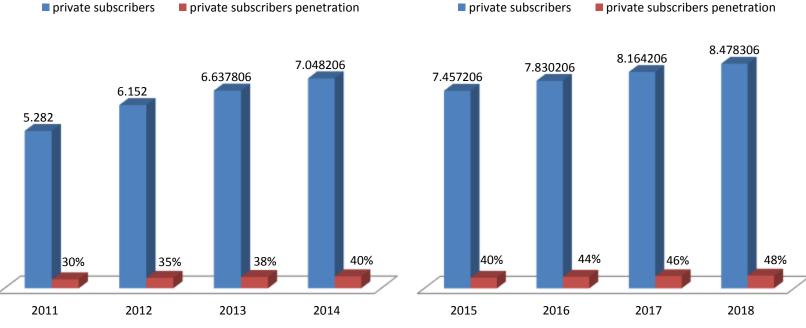
Internet penetration in rural area was 17% in the Q4 of 2014

Broadband penetration into cooperate and private segment, %, 2011-2014

private subscribers

private subscribers penetration

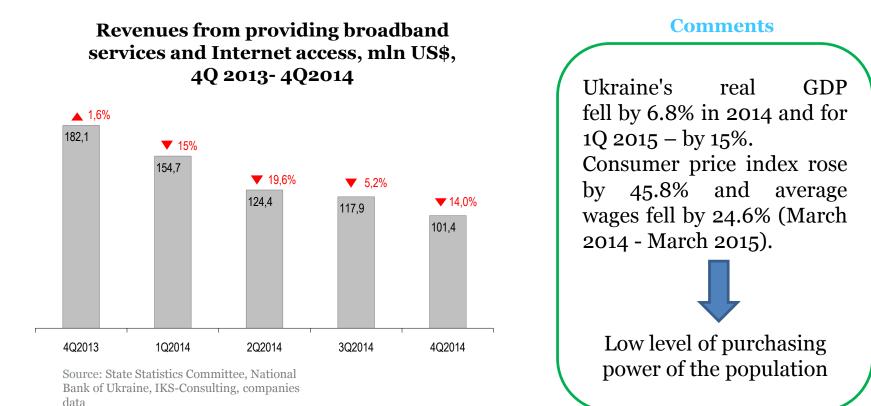
Broadband penetration into coopeare and private segment, %, 2015-2018F



Source: IKS-Consulting



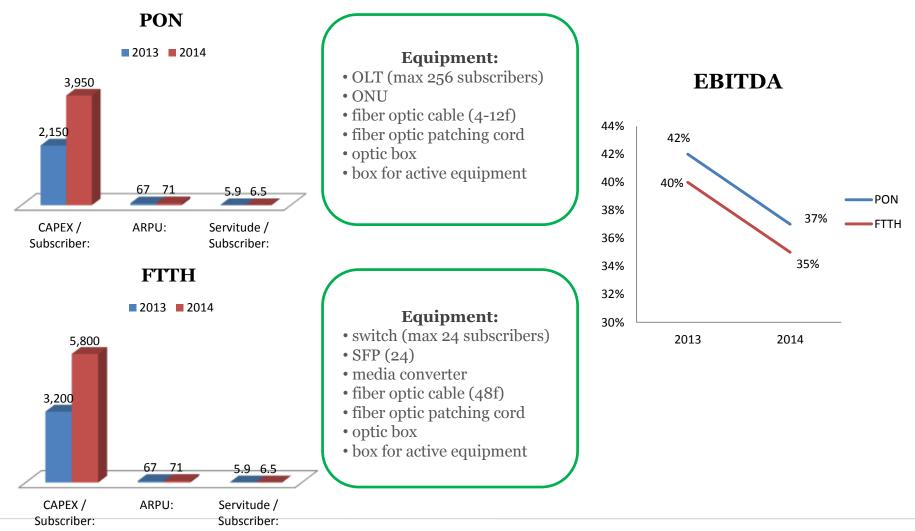
Economic situation in the broadband market



Source: State Statistics Committee

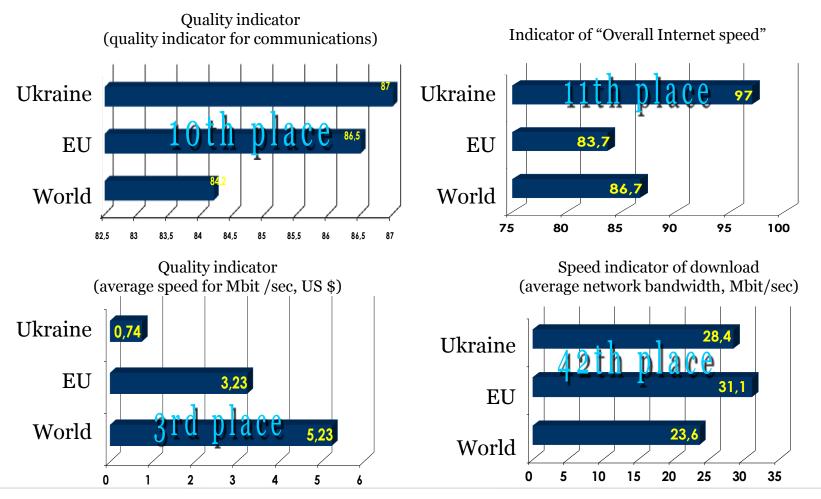


CAPEX costs and EBITDA





Ukraine's place in the world rankings of quality indicators for the Internet



Source: The Global Standard in Internet Metrics







Ukraine has already implemented 3G (1/2)

Ukraine is the 6th largest mobile market in the Europe of 62.5 mln subscribers.

One of the lowest ARPU in the CEE suggests sheer revenue growth potential as the competition between existing players improves. Mobile broadband penetration(1) by country (2014), %



Comments

Ukraine substantially lags behind global trend of switching from 2G to 3G/4G technology networks.

In February 2015 three largest mobile operators (MTS Ukraine, Kyivstar, Life;) has obtained 3G licenses via auction held by NCCIR.

Two operators: Life:) and Kyivstar has already started to provide the 3G services.

- As of 2014, smartphone penetration in Ukraine reached ca. 19% or less than 1/3 of that in the EU:

 Lack of strong 3G nationwide operator keeps mobile broadband even lower at 6%
- Presently vast majority of smartphones are 3G devices with growing proportion of LTE-enabled handsets expected in the coming years
- Mass product consumer model domination (voice traffic at the lowest possible cost) due to the lack of new technologies has left Ukraine far behind a way more developed European telecom market
- Successful 3G licenses auction held by NCCIR has paved the way for prompt 3G implementation



Ukraine has already implemented 3G (2/2)

Competitive auction method with starting price of UAH 2.7 b

Winners are obliged to finance spectrum conversion of UAH 1.6 b

Winners are obliged to provide mobile services: during 18 months - on the territory of all regional centers; during 2-6 years on the territory of all regional centers and all settlements with a population of more than 10 000 people (from the date of license issuance)

ARPU improvement stemming from new product offering to the existing subscribers base

Market competition enforcement – competitive advantage provided to the first license holder (3Mob) vanishes due to new entrants

EXPECTED RESULT



3 Regulatory landscape and initiatives



Current NCCIR initiatives (1/2)

Initiative	Project of the Law on Electronic Communications	2 Project of the Law on Access to objects of construction, transport and electricity	3 Frequencies re-farming and 4G-licensing
	 Free market entry: Legal entity registration by notification Licensing limited to restricted recourse only 	• Optimization and a significant reduction in • capital costs for the development (upgrading) of telecommunications networks by operators	Existing frequencies allocation scheme is planned to be re-farmed in order to free up spectrum for 4G (LTE) technology
Overview	-Simplification of licensing procedure	telecommunication networks and make the	• We have negotiated with consulting companies on 4G project implementation
and	• Open access to telecommunication infrastructure	terms of its mastering significantly shorterAccelerating the new services introduction on	• We engaged operators in transparent preparatory process
Expected	• Marker competition facilitation by means of SMP obligations and measures		• Pricing shift to data, free calls and messaging
result	 Ex-ante regulation: Legal infringements classification according to EU standards 	• Increasing of consumer access to telecommunications services, increasing the number and quality of such services	Further ARPU increase resulting from growth in traffic Strong investment stimulus
	 Introduction of economic and administrative sanctions Presumption of innocence for market player 	• Creating a unified payment terms for access to objects of construction, transport and electricity	Heavy Mobile BB - LTE
NCCIR timeline	• Expected that the Law will come into force on 01 January 2016	 Expected that the Law will come into force on November 2015 Law will provide the creation of Local Loop Unbundling (ULL) market 	• Discussion on frequencies re-farming actual 4G-licencing will be finished expected by 2017 and the tender will be started



Current NCCIR initiatives (2/2)

Rules for the offering into use to telecommunication cable ducts

Adopted regulatory acts

Procedure for regulating of tariffs for the offering into use to telecommunication cable ducts of telecommunications operators

Cap rates for the offering into use to telecommunication cable ducts of telecommunications operators

Comments

NCCIR carries the active international cooperation and participates in different events as well. The main focus on the attracting investments in ICT sphere in general and in the Broadband development in particular and study the best EU experience in the ICT development.

For the last 6 months NCCIR participated in the London Investment Summit and was co-organizer of the Ukrainian Telecoms Forum, which hold in Kyiv in May. Both events brought together not only representatives of market players and all present and potential stakeholders in the Ukrainian telecoms sector, but potential investors as well.

Currently, the Constitutional reform is developing in Ukraine. It will provide departure from the rigid centralization, delegate more rights to the regions and the expansion of their powers. Implementation of Constitutional reform will lead to an increase in local budgets and thus promote PPP (Private Public Partnership) and increase funding issues of development of telecommunications networks to access the Internet.



NATIONAL COMMISSION FOR THE STATE REGULATION OF COMMUNICATIONS AND INFORMATIZATION

Thank you for your attention!

Gracias por su atención! Merci pour votre attention!

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