

Broadband Development in Republic of Moldova

31 March – 1 April 2015, ITU Regional Forum, Moldova



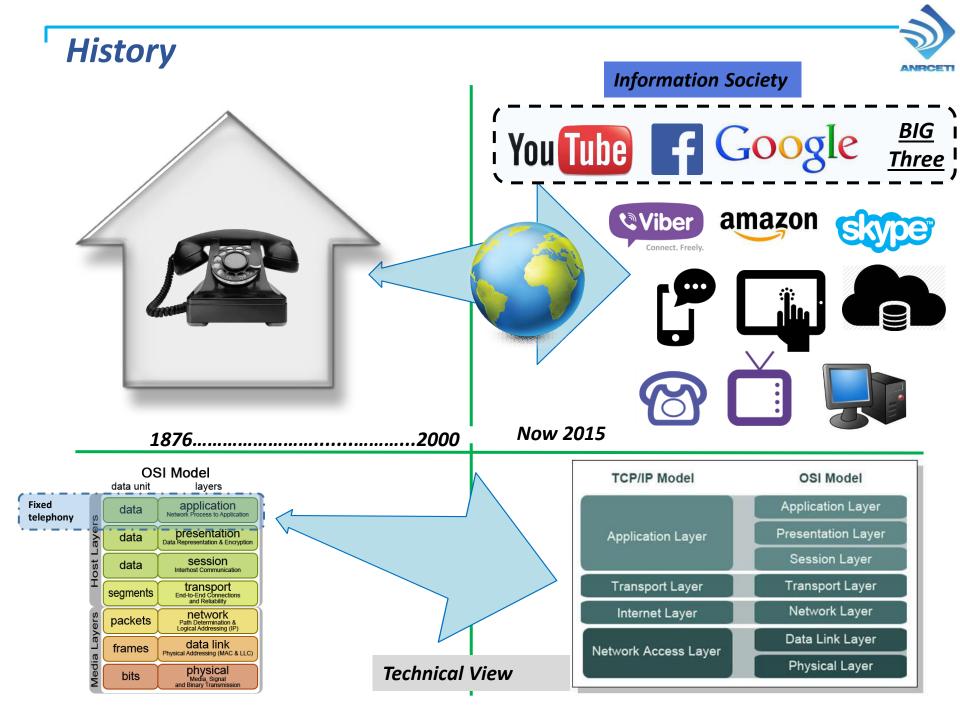
Roman BAHNARU Deputy Chief Execution Regulation Departament



<u>Chapter I</u> – Regulation in Republic of Moldova



Chapter II – Broadband Statistics



I.1 National regulatory framework in a nutshell

Law on electronic communications nr. 241/2007

It transposes into the national legislation the provisions of the regulatory framework for electronic communications networks and services, adopted by the European Union in 2002:

- Directive 21/2002/EC
- Directive 19/2002/EC
- Directive 20/2002/EC
- Directive 22/2002/EC



- Commission guidelines on market analisys
- Recommendation 2003/311/EC
- Recommendation 2007/879/EC
- NGA Recommendation 2010/572/EU



I.2 Markets analyzed by the ANRCETI (4 markets) – related to broadband

Market 4 - Wholesale network infrastructure access (including shared or fully unbundled access) at a fixed location.

Market 5 - Wholesale broadband access.

Market 6 - Wholesale terminating segments of leased lines, irrespective

of the technology used to provide leased or dedicated capacity.

Market 8 - Wholesale trunk segments of leased lines.

Reference Offers for specific markets

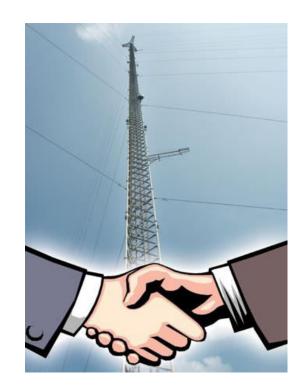
- Market 4 Reference Offer for Access, Reference Offer for Access to Ducts, Reference Offer for Access to Pillars, Reference Offer for Colocation Services
- **Market 5** Reference Offer for Bitstream
- Market 6 Reference Offer for Leased Lines Services

Market 8 Reference Offer for Leased Lines Services

I.3 Access to, and use of, specific network facilities

This remedie is targeted at:

- Encouraging shared use and co-investments
- Encouraging the use of alternative infrastructures for fiber deployment
- Mandating equal access to SMP's infrastructure
- Access to fiber loops of the SMPs
- Access to FTTx loops as bit-stream



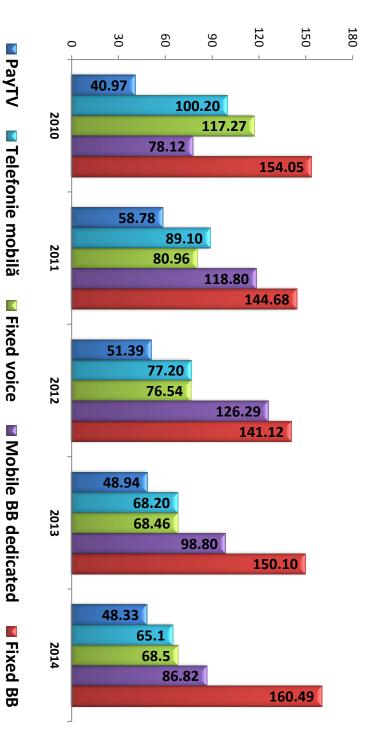




2.1 Broadband revenue (MDL): mobile and fixed

	2011	2012	2013	2014
Revenue fixed broadband	540.236.600	652.578.643	785.261.930	927.657.696
Revenue mobile broadband:	256.355.767	383.431.766	407.898.597	482.159.803
from mobile voice users (addons)	103.294.833	113.533.803	148.219.189	190.880.955
from mobile dedicated users	153.060.934	269.897.963	259.679.408	291.278.849
Overall revenue: fixed and mobile	796.592.367	1.036.010.409	1.193.160.526	1.409.817.499
Market share % fixed BB	67,8%	63,0%	65,8%	65,8%
Market share % mobile BB	32,2%	37,0%	34,2%	34,2%
Overall revenue from:				
mobile/fixed voice, mobile/fixed BB and PayTV	6.219.748.857	6.282.166.707	6.642.559.735	6.801.702.820



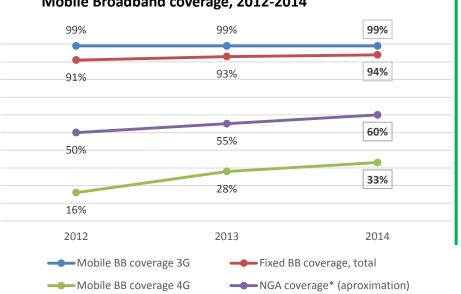


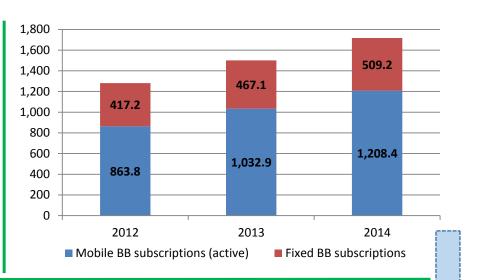




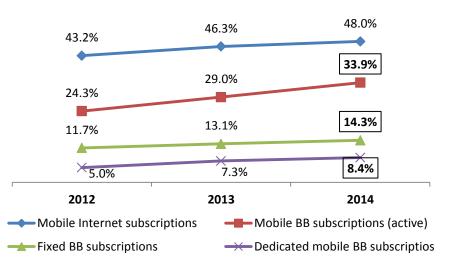
2.3 Broadband subscriptions: mobile and fixed

- Basic broadband is available to all citizens in ٠ Republic of Moldova, 99% is coverage for 3G services, and 94% is coverage for fixed broadband;
- As of December 2014, almost 33% was coverage • for 4G services offered by operators.
- 1/3 of population have Mobile BB subscription; ٠
- About 3/4 of households have Fixed BB ٠ subscriptions (in which over a half are NGA subscriptions – FTTB/FTTH or DOCSIS 3.0).





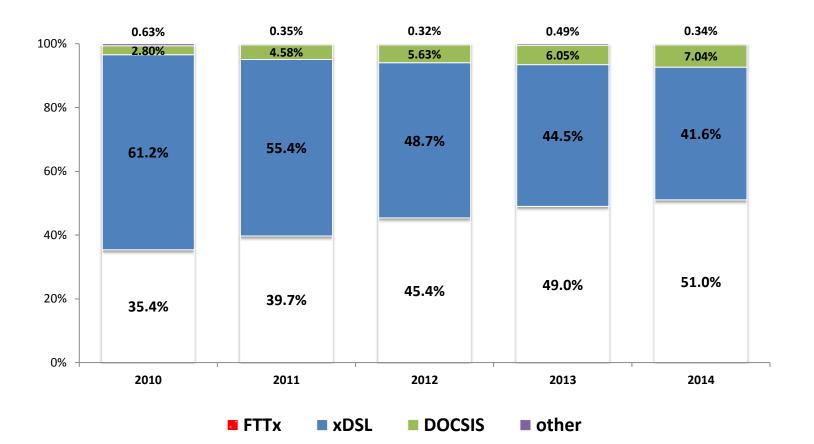
Mobile and Fixed Broadband (BB) subscription %, 2012-2014



Mobile Broadband coverage, 2012-2014



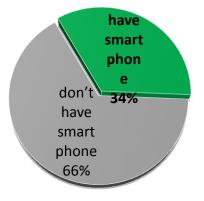
2.4 Fixed broadband by technology



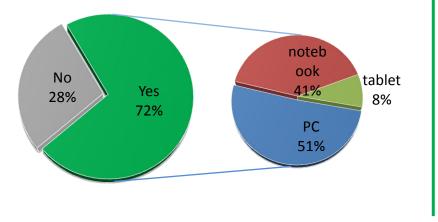
2.5 Internet users/household profile

- About 3/4 of households are connected to Internet;
- Over one half of total connections are connected by PC;
- 1/3 of voice mobile users have smartphones (or about 1/4 of citizens of Moldova);
- 80% of Internet users, use Internet daily;

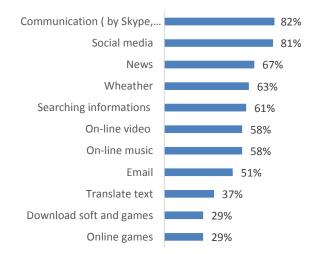




Household connection to Internet (%), type of device

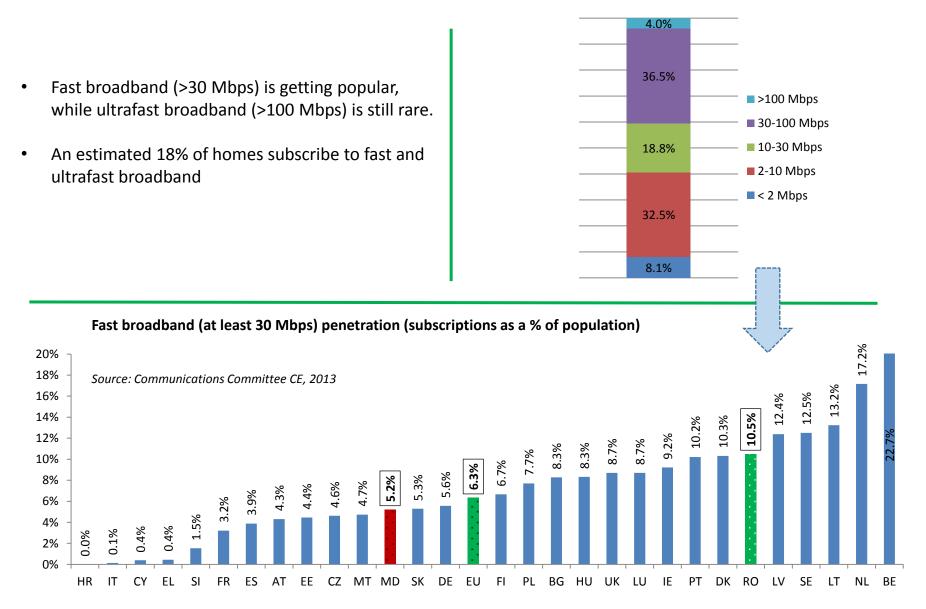


Usage of broadband

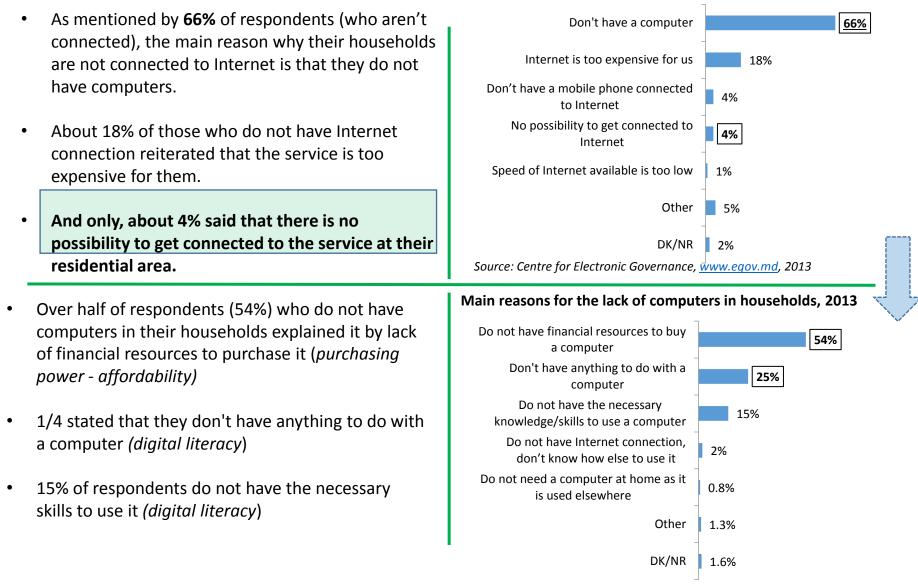




2.6 Fast and ultrafast broadband



2.7 Reasons for lack of Internet connection



Source: Centre for Electronic Governance, <u>www.egov.md</u>, 2013



2.8 M2M communications

M2M решения machine to machine

эффективное управление ресурсов



• Транспорт и Логистика

Часто, для эффективного управления основными средствами компании, требуется много усилий, которые повышают расходы на ресурсы.

подробнее »



Автоматизация процессов в Промышленности и Сельском хозяйстве

Промышленная автоматизация совершила революцию в производстве ...

подробнее »



Мониторинг и безопасность

Охрану недвижимости можно менять неоднократно, но как правило это дорогостоящий процесс, что обескураживает многие компании.

подробнее »



Финансовые услуги

Рынок финансовых услуг в настоящее время сталкивается с новыми испытаниями, связанными с законодательством, содействием и...

подробнее »



Дистрибуция и Торговля

Компании, работающие в сфере дистрибуции и торговли, как правило, стараются воспользоваться каждой возможностью продажи и обеспечи...



Менеджмент коммунальных услуг

Компании, специализирующиеся на распределении коммунальных услуг (электричество, вода, газ, отопление)...



подробнее »

здравоохранение

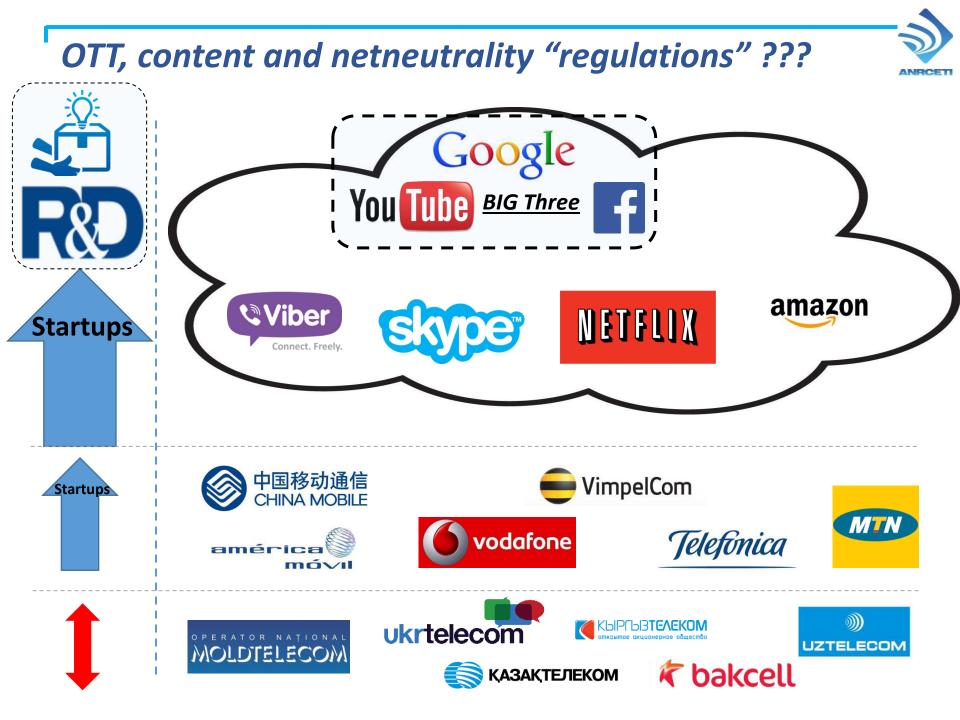
Высокое качество медицинских услуг, по доступным ценам, является целью, к которой движется наше общество...

Бытовая техника

Ассортимент бытовой техники широкого потребления предлагает большой спектр возможностей для всех...

подробнее »

подробнее »



Thank you!



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