



## Regulatory tools – limited ways to influence the market

### Market analysis

There are two relevant markets connected with mobile communication:

- Mobile origination and access – market 15 – seems to be competitive in Poland,
- Mobile termination – market 16 – naturally monopolistic.

### Dispute resolution

- Obligation of NRA to solve disputes between market players, and set access condition,
- There are two disputes pending – both concerning access condition for MVNO.



## Mobile Termination Rates

### MTR level

- President of UKE issued decisions setting up level of MTR and the three years gliding path to adjust MTR to the cost level,
- In „The Regulatory Strategy for years 2008 – 2010” President of UKE decided that speed of reduction of MTR should be increased. In 2010 MTR should reach level of 0,15 PLN and be calculated based on LRIC methodology.

### MTR symmetry

- Different regulatory situation – there are some market players that haven't got any regulatory obligations,
- Symmetry with the current level of MNO's MTR – rational proposal for now,
- Situation may change after market analysis procedure.



## New Entrants

### MVNO

- Increasing number of MVNO on Polish market – in 2007 three new MVNO entered mobile market,
- Different models of MVNO from SP to Full MVNO,
- Low market share (0,12 %) means big perspective for development,
- Active on niche markets

### MNO

- There are two new entrants on a different stage of development,
- Important role in fostering competition – P4 market share is bigger than the market share of all MVNOs,
- Infrastructure based competition – lowering costs and prices.



## Convergence

There are two ways to reach the aim;

- Mobile operators start to offer fixed broadband Internet access,
- Fixed operators are looking for the opportunity to become MVNO.

The aim is:

- Extend portfolio of services,
- Reduce costs,
- Shift to all IP architecture.



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## DVB-H – latest initiative

- In January 2008 The President of UKE started consultation about possible use of frequency bands to offer DVB-H television,
- Those frequency bands do not create nationwide network, but allow to supply services in particular cities in Poland,
- We believe that this services will be different in nature from those based on DVB-T platform. We expect that those services will be similar to video clips, occasionally watched by end-users. This should distinguished them from traditional broadcasting.
- The main issue for now is to coordinate usage of the frequency bands with our neighbouring countries.

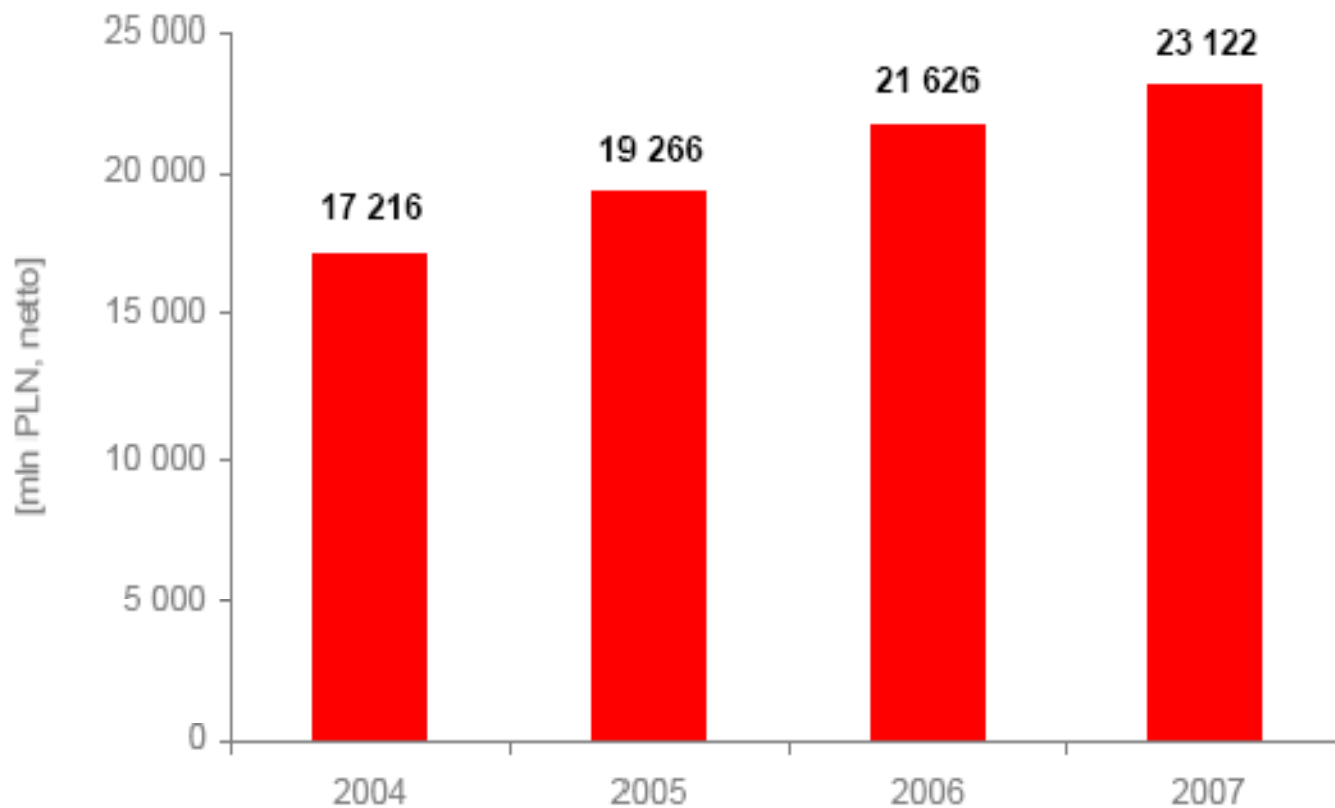


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## Value of the Polish mobile market in million PLN

Wykres 27. Wartość rynku telefonii ruchomej szacowana wielkością przychodów netto z działalności telekomunikacyjnej



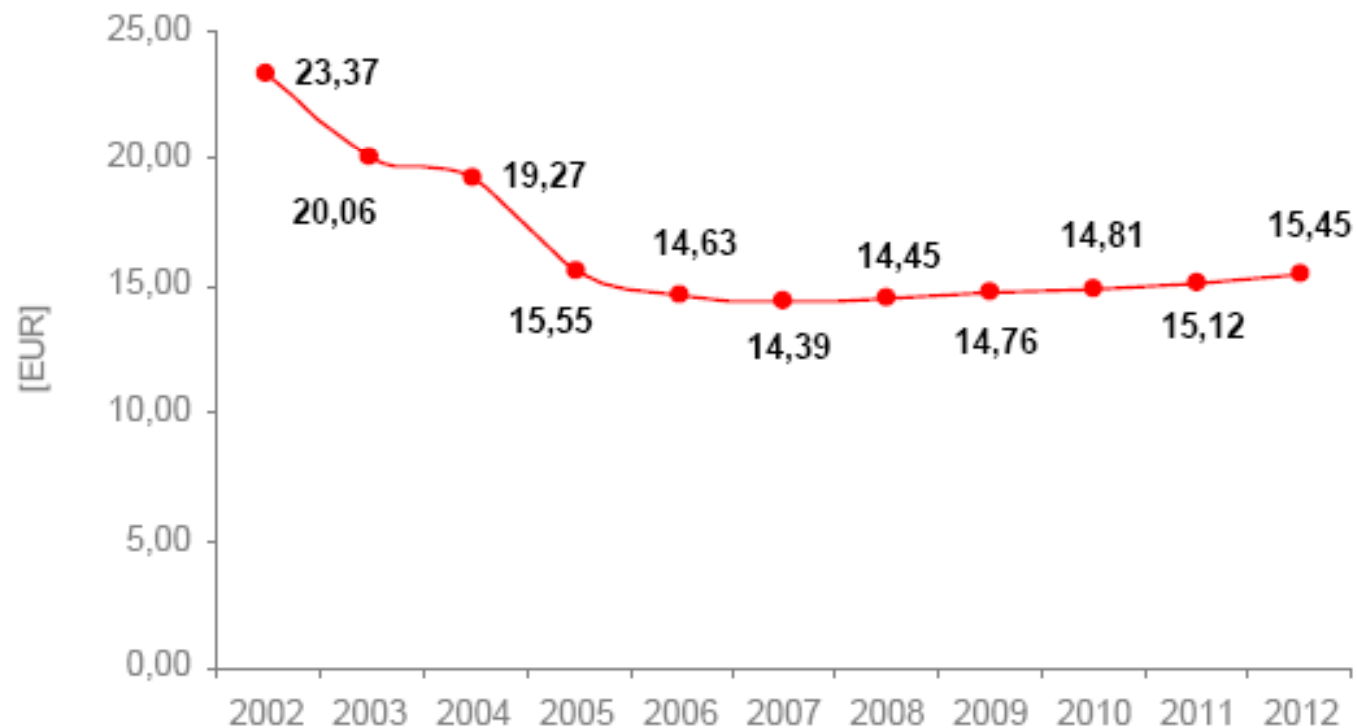


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## Forecast of ARPU for Polish mobile operators

Wykres 28 Prognoza średniego zagregowanego ARPU polskich operatorów telefonii ruchomej wg stanu na wrzesień 2007



Źródło: Analysys Research



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Thank You

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