

# TELEKOMS MARKET DEVELOPMENT EXPERIENCES of TURKEY

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# Agenda

- About ICTA
- Electronic communications market indicators
- Some important regulatory developments

# The duties of the Authority-1

- Creation and maintaining the competition in the sector
- Protecting the rights of consumers
- Carrying out dispute resolution procedures between operators
- Tracking the developments and stimulating the development of the electronic communications sector

- Detection and elimination of electromagnetic interference
- Approval and supervision of the tariffs

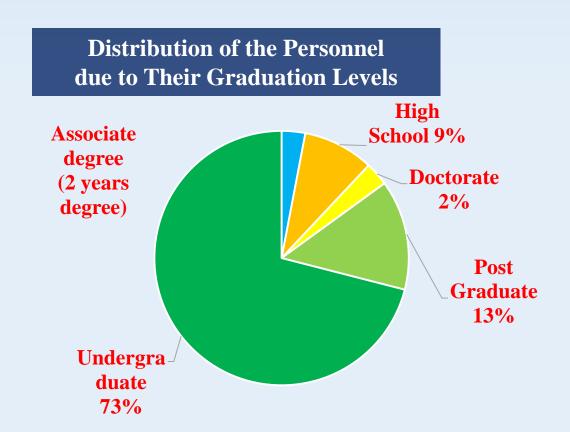
# The duties of the Authority-2

- Approve the reference access offers submitted by the operators
- Ensuring publication and implementation of the harmonized national standards for all kinds of systems and equipment
- Conducting frequency planning, allocation and registration procedures.
- Carrying out the duties related to the Electronic Signature
- Regulating the postal sector

#### **Human Resources**

#### As of March, 2015; 812 personnel in total;

- Headquarter: 637
- Regional Directorates (7 Regional Directorates): 175



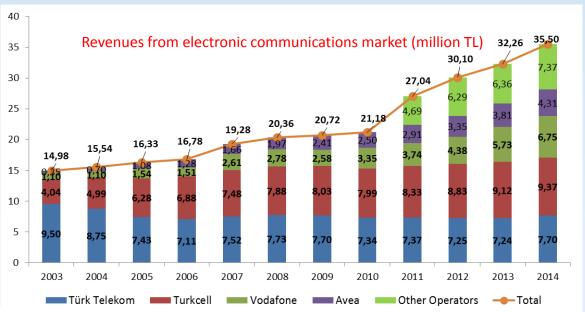
# **MARKET INDICATORS**

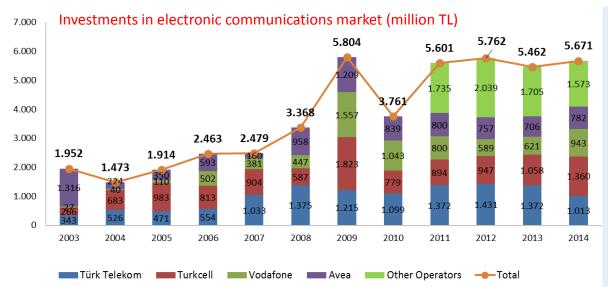
#### **Number of Authorizations**



	Type of Authorizations	Number of Authorizations	
	Various Telecommunications Services (Concession Agreement)	1	
	GSM and UMTS Operators	3 GSM and 3 UMTS	
	Infrastructure Operating Services	159	
	GMPCS Mobile Telephony Services	13	
	GSM 1800 Mobile Telephony Services	4	
	on Board Aircraft		
	Internet Service Providers	371	
	Cable Broadcasting Services	25	
	Public Access Mobile Radio Services	82	
	Directory Enquiry Services	10	
	Fixed Telephony Services	198	
	Mobile Virtual Network Operators	90	
	Satellite Communication Services	39	
_	Satellite Platform Services	19	
5	Satellite and Cable TV Services	1	

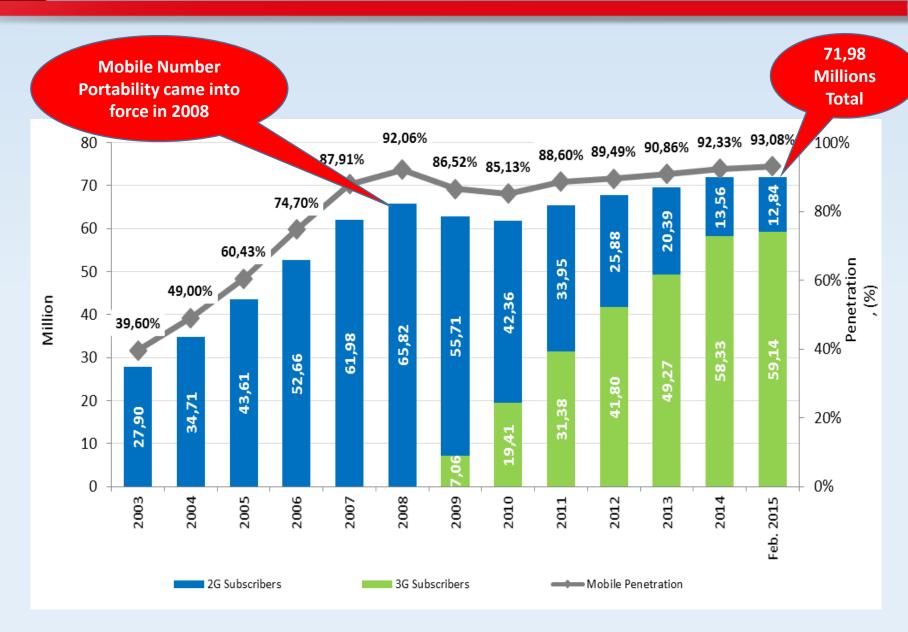
#### **Revenues from and Investments in Telecommunication Services**



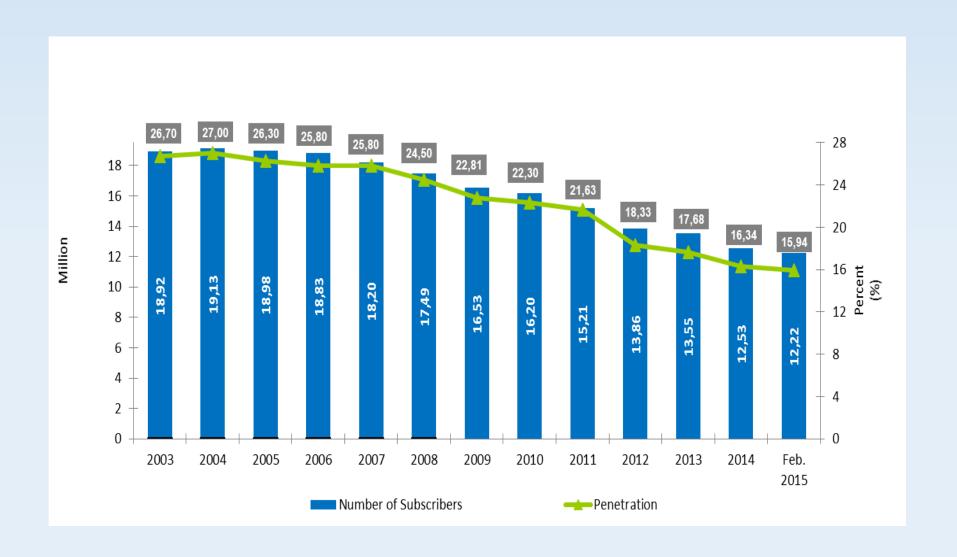


\* Other: Operators other than Turk Telekom and Mobile Operators

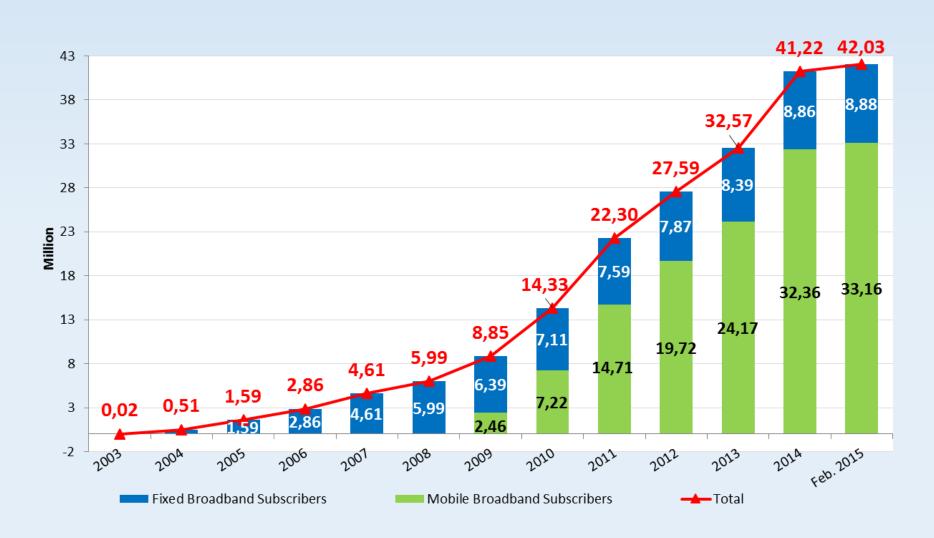
#### **Number of Mobile Subscribers and Penetration Rate**



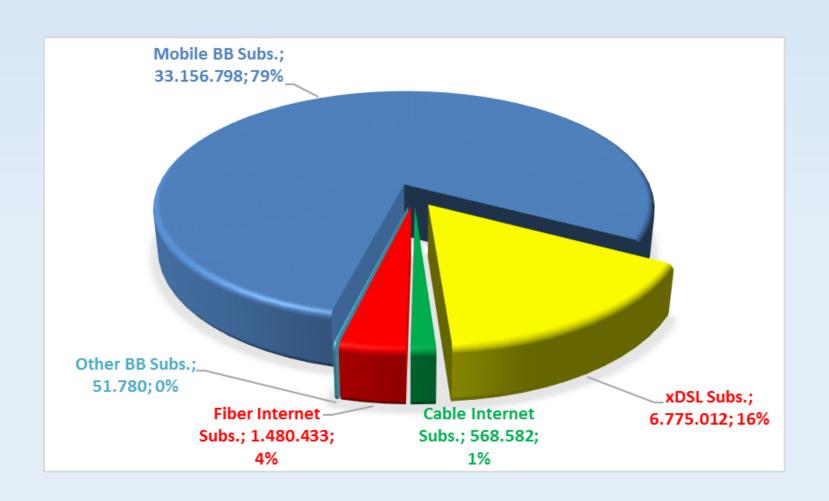
#### **Fixed-Line Subscribers and Penetration Rate**



#### **Number of Broadband Subscribers**

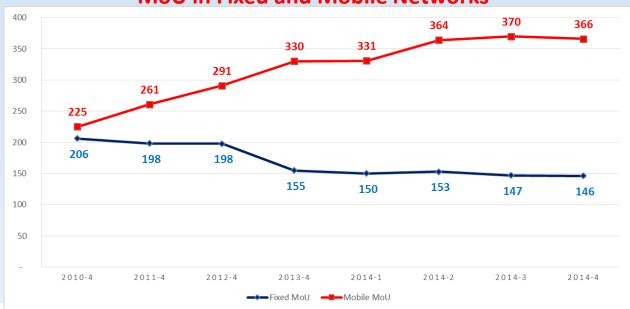


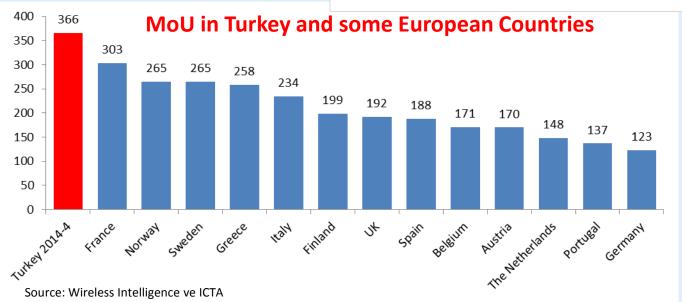
# **Broadband Subscriptions by Technology**



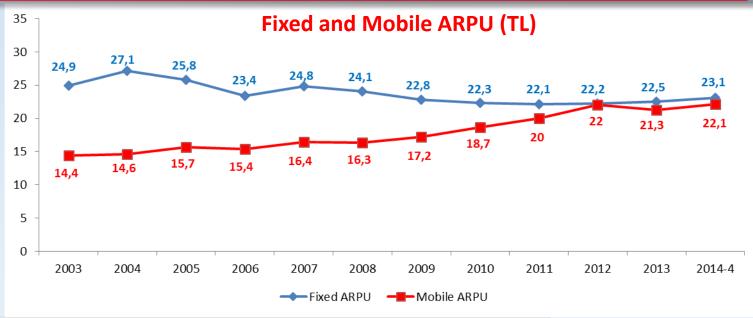
## Fixed and Mobile MoU (Minutes per User/Month)

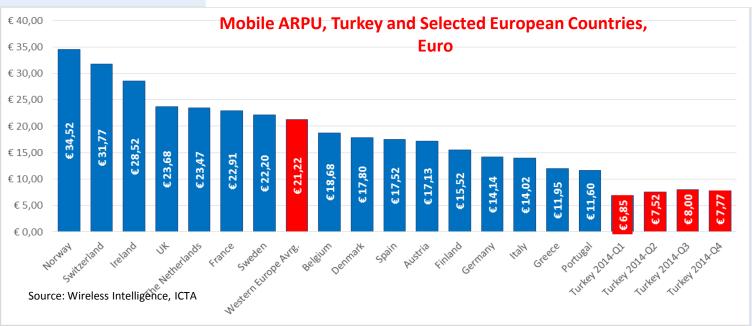






#### Fixed and Mobile ARPU (Average Revenue per User)





### **IMPORTANT REGULATORY DEVELOPMENTS**

Mobile Termination Rate (MTR)

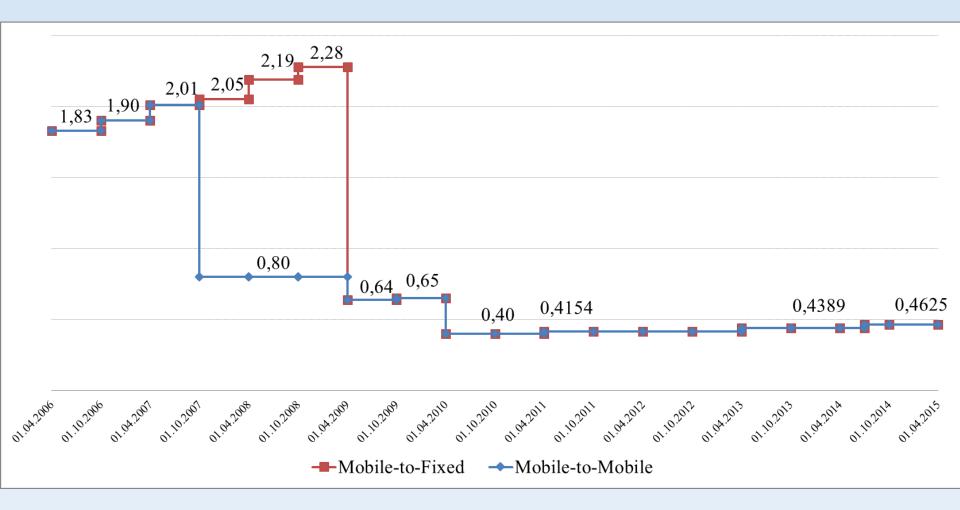
Mobile Number
Portability
(MNP)

UPPER PRICE LIMIT

REGULATORY
INTERVENTION
FRAMEWORK

TARIFF RULE (TURKCELL)

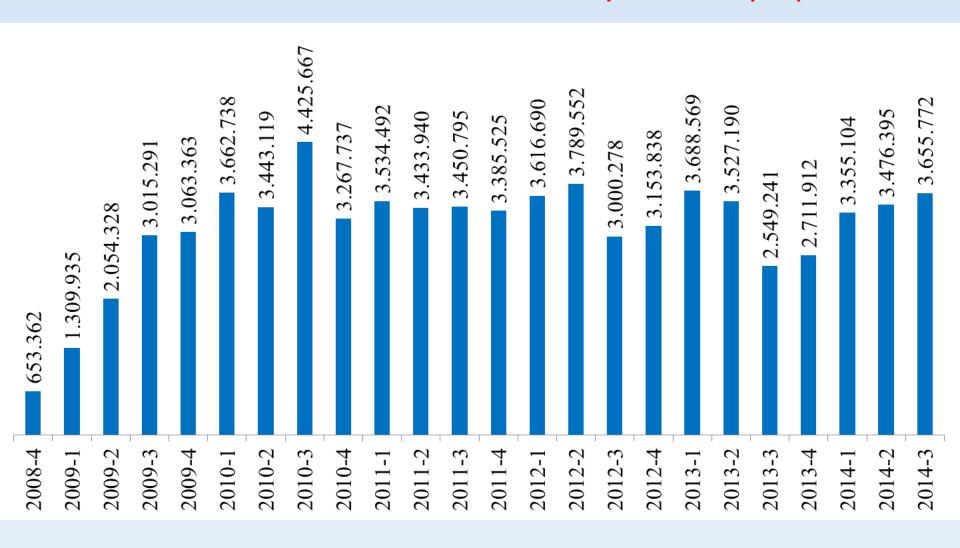
#### **Upper Price Limit (TL/min)**







#### **Mobile Number Portability Transactions per quarter**



#### **Tariff Rule (Turkcell)**



Retail
Expenses

MOR

On-net Price

2009 Rule



2013 Rule



### **Fiber Access Exemption Decision**

#### Fiber Access Exemption Decision in 2011;

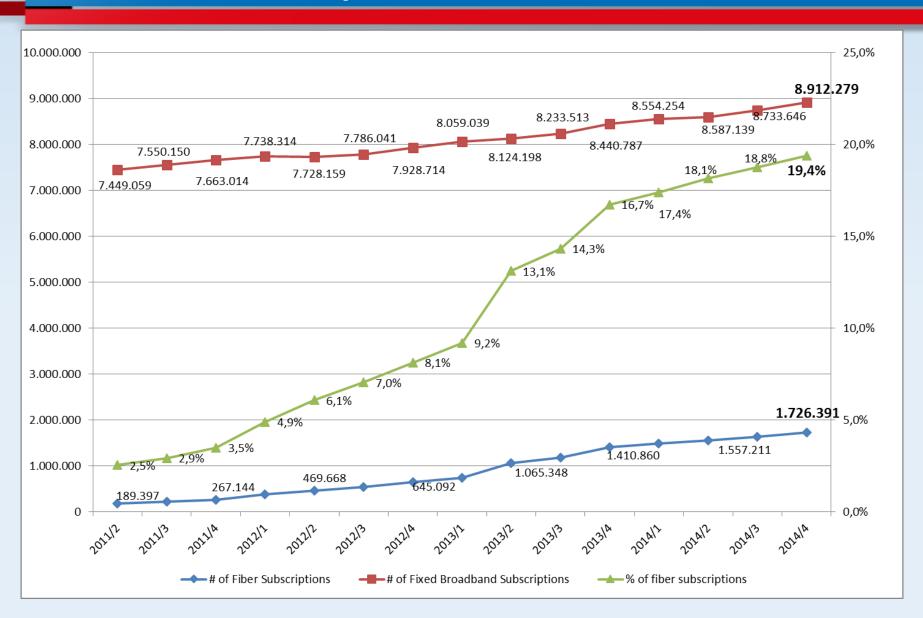
 Fibre access (FTTH/FTTB) is excluded from market analyses process for the five year period or until the percentage of fibre internet subscribers reaches the 25% of the whole fixed broadband subscribers, and







## **Fiber Access Exemption Decision**



#### **4G Authorizations**

- 4G auctions scheduled to be held on May 26, 2015.
- The frequencies will be auctioned in 800 MHz, 900 MHz, 1800 MHz, 2100 MHz and 2600 MHz frequency bands.
- A total of 390 MHz frequency band will be auctioned to 3 mobile operators and a new entrant.
- One of the 10 MHz in 2600 MHz frequency band reserved for a new entrant.
- The minimum value of the total frequencies is 2,3 billion Euros
- The services are envisaged to be operational from the first day of 2016.





Frequency band (20 Blocks)	Bandwidth (MHz)	Min. Value (Euro)
800 MHz FDD	2x10	372.926.013
800 MHz FDD	2x10	372.926.013
800 MHz FDD	2x10	372.926.013
900 MHz FDD	2x7,6	216.819.184
900 MHz FDD	2x1,4	39.940.376
900 MHz FDD	2x1,4	39.940.376
1800 MHz FDD	2x29,8	283.411.778
1800 MHz FDD	2x20	190.209.247
1800 MHz FDD	2x10	95.104.623
2100 MHz FDD	2x5	35.664.234
2100 MHz FDD	2x5	35.664.234
2100 MHz TDD	1x10	35.664.234
2600 MHz FDD	2x25	64.647.293
2600 MHz FDD	2x15	38.788.376
2600 MHz FDD	2x10	25.858.917
2600 MHz FDD	2x10	25.858.917
2600 MHz TDD	1x15	19.394.188
2600 MHz TDD	1x10	12.929.459
2600 MHz TDD	1x10	12.929.459
2600 MHz TDD	1x5	6.464.729

# Thank you for your attention.