ICT SERVICES UPTAKE AND THE EVOLUTION OF REGULATORY FRAMEWORKS

SESSION 4

Ms. Nancy Sundberg
Senior Programme Officer
Telecommunication Development Bureau
Regulatory Market and Environment Division
International Telecommunication Union
ICT services uptake and the evolution of regulatory frameworks

Nancy Sundberg
Telecommunication Development Bureau (BDT)
www.itu.int/treg

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A typical day in the digital world

- 1994: 1.5m people start using mobile for the 1st time
- 2014: 3000 petabytes of IP traffic
- 1/2b photos uploaded
- 22 months of video on the internet per second
- 5-10h use of multiple screens
- 1b+ people on social media
- 183b emails sent

Source: ITU.
ICT services uptake

Global, 2014

Mobile cellular subscriptions:
- Almost 7 billion

Mobile broadband penetration:
- 84% developed countries
- 21% developing countries

Fixed broadband penetration:
- 27.5% developed countries
- 6% developing countries

- Almost 3 billion people online
  (individuals using the Internet)

Who’s online?
By region, 2014

Source: ITU World Telecommunication/ICT Indicators database
Maturity of regulation

Beginning of 2014

Source: ITU.

G4: Integrated regulation – led by economic and social policy

G3: Enabling investment, innovation and access – dual focus on stimulating competition in service and content delivery, and consumer protection

G2: Basic reform – partial liberalization and privatization across the layers

G1: Regulated public monopolies – command and control approach

Source: ITU.
Better regulation – greater growth?

Evolution of mobile broadband penetration, by generation of regulation, 2009-2013

Mobile Broadband Penetration per Generation of Regulation

Note: Based on data for 122 countries over the entire period.
Source: ITU.
Which regulations have shaped the ICT sector?

Source: ITU.
Winning formulas for mobile broadband

- Competition in mobile broadband
- Competition in international gateways
- Mobile number portability enabled
- Band migration allowed
- Infrastructure sharing for mobile (either allowed or mandated), including MVNOs
- National broadband plan adopted

Source: ITU
Winning formulas for fixed broadband

- Competition in DSL/cable
- Fixed number portability enabled
- Infrastructure sharing for fixed either allowed or mandated
- Converged licensing framework in place
- National broadband plan adopted

Source: ITU
Connect 2020 Agenda

For Global Telecommunication/ICT Development

- Enable and foster access to and increased use of telecommunications/ICTs
- Bridge the digital divide and provide broadband for all
- Manage challenges resulting from telecommunication/ICT development
- Lead, improve and adapt to the changing telecommunication/ICT environment

www.itu.int/en/connect2020
Coming next

Trends in Telecommunication Reform 2015 (coming soon!)
- Why Competition Matters and How to Foster It in the Dynamic ICT Sector
- Consumer protection in the online world
- New frontiers in spectrum licensing
- Big Data - Opportunity or Threat?
- The economic influence of data and their impact on business models
- Monitoring the Implementation of Broadband Plans and Strategies

15th Global Symposium for Regulators, Libreville, Gabon 9 to 11 June 2015

Mind the Digital Gap - Regulatory incentives to achieve digital opportunities
- Internet of Things • Interoperability • Taxation • Smart Regulation to Facilitate m-services and Application • Network Sharing Models • Innovative Investment Strategies • Mobile payment

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