BEST PRACTICES FOR TOOLKIT: TELECOMMUNICATIONS AND IT

SESSION 6

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Best Practices For Toolkit

- *Telecommunications and IT*

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Presentation at UNCTAD, 13 May 2015
ITU is the specialized agency of the UN for telecommunications and ICTs ...

... and turns 150 years in 2015

Theme for all year celebrations: “Telecommunications and ICTs: drivers of innovation”
ITU allocates (1) frequency spectrum to different services, (2) satellite orbit assignments, (3) numbers and identifiers
ITU develops standards
ITU assists developing countries in building up their ICT infrastructure
ITU’s Membership: Public-private partnership

• 193 Member States and Regulatory Bodies
• 750 Sector Members (Companies, Business Associations, NGOs)
  The European Union is a Sector Member since 1988
• 90+ Academia (Universities & Research Establishments)
  (as of May 2015)
ITU-T Study Groups

- (2) Operational aspects
- (3) Economic and policy issues
- (5) Environment and climate change
- (9) Broadband cable and TV
- (11) Protocols and test specifications
- (12) Performance, QoS and QoE
- (13) Future networks (incl. cloud)
- (15) Transport and access
- (16) Multimedia
- (17) Security
ITU-T Focus Groups

Augment the Study Group system
- Way to quickly react to ICT standardization needs
- Great flexibility of working methods
- Open to non-member participants

Current Focus Groups:
1. 5G
2. Aviation applications of cloud computing for flight data monitoring
3. Digital financial services
4. Smart sustainable cities
5. Bridging the gap: from innovation to standards
6. Smart water management
TELECOMMUNICATIONS & IT

Pervasive Nature Of ICTs

Smart Sustainable Cities

Investment Applications Policy & Regulation Capacity Building Measurements Privacy & Security Digital Inclusion

Finance & Payment

Education Health Transport Green ICT & E-Waste Infrastructure Security Spectrum Management
DISRUPTIVE TECHNOLOGIES

- IP Convergence
- Cloud Computing
- Internet of Everything
- Digital Finance / Virtual Currency
- E-health
- Wearables
- 5G

Will redefine business models for the industry
EXPLOSIVE GROWTH OF DATA

Key Drivers:

• IP enabled networks are at the core.
• Billions more people, things, places, processes and devices will come online.
• Extensive digitization of information.
• Internet Protocol version 6 (IPv6)
Trend of IP Enabled Regulation

% and Number of countries


- Allowed
- No framework
- Closed
- Banned

Legend:
ICT Regulation: Who regulates what?
EMERGING STANDARDS IN ICT

- Internet of Things
- Intelligent Transport Systems
- Smart Cities
- Data Security
- Digital Finance
- Cloud Computing
- 5G
• Adopt a “light-touch” regulatory approach and in favour of innovation
• Ensure principles of fair, equal and non-discriminatory treatment of all market players
• Streamline procedures to facilitate market entry and stimulate competition and innovation;
• Conduct market analysis to assess the market situation in a converged environment;
• Adopt a regulatory framework that eliminates barriers to new entrants;
REGULATORY BEST PRACTICES

• Level playing field for market stakeholders (operators, Internet providers, OTT providers, etc.);
• Empower consumers to make informed decisions through the development of online tools to check download speeds, quality-of-service and prices for access and data plans;
• Monitor the use of traffic management techniques to ensure they do not unfairly discriminate between market players;
• Ensure transparency and openness (e.g. by making market data and regulations available).
• Encourage network and facility sharing through “soft” measures (e.g. cross-sector mapping of infrastructure that enables the coordination of civil works).

• Encourage multi-stakeholder consultation on policy and regulatory matters;

• Continue to ensure regulatory predictability and foster co-regulation wherever possible; and

• Work with all stakeholders to reduce or remove practical barriers to broadband deployment.
CRITICAL SUCCESS FACTORS

- Policy and regulatory framework for broadband deployment
- E-government strategy
- National Cybersecurity Strategy
- Policy and Strategy for ICT Standards and Innovation
- Policy and regulatory framework for data protection
Thank You

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