Transition from Analogue to Digital Terrestrial Broadcasting

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Why Digital TV Broadcasting

- More Programmes
- > Interactive service
- ➤ High Quality A&V
- Portability and mobility
- > Pay TV platform
- > Efficient Use of spectrum
- Digital Dividend
- > Convergence and Competition





The challenges of Switchover



- Legal and Political issues:
 - Program editors, Licensing, number and ownership of Multiplexes, Network Operators, Public TV services, commercial TVs, local TV Standards, Analogue Switch Off (ASO), etc.
- > Technical issues:
 - Standards, compression system (MPEC2/MPEG4), Spectrum availability, etwork planning (MFN/SFN), coverage areas, end users equipment (Set-Top Box/ D-TV), etc.
- > Economical related issues:
 - Introduction of new business model, transition costs, subsidizing vulnerable people, etc.
- > Allocation of Digital dividend



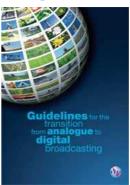
ITU Activities for Transition

- Regional Radiocommunication Conference 2006 (RRC-06)
 - > Frequency plan for the digital terrestrial broadcasting
 - Deadline to switch over for region 1 countries: 17 June 2015 (some countries and bands 2020)
- Software Packages for spectrum management
 - > Compatibility analysis in the GE 06 Frequency bands
 - Spectrum Management Systems for Developing Countries (SMS4DC)
- Recommendations, Reports and Handbooks on digital broadcasting technologies



Guidelines and Roadmaps for the transition from analogue to digital broadcasting

- Guidelines designed to provide information and recommendations on policy, regulation, technologies, network planning, customer awareness and business planning
- Guidelines developed for African countries (involved in GE-06) and posted on ITU web for free download http://www.itu.int/publ/D-HDB-GUIDELINES.01-2010/en
- ➤ ITU is currently providing assistance in developing roadmaps in Africa, Asia and Pacific regions through projects and expert assistance

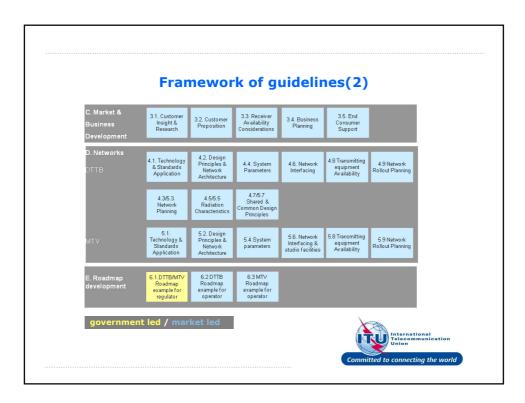




Framework of guidelines(1)







For a successful transition

- > Strong leadership from government;
- Firm decision that sets the analogue TV switch-off date (ASO);
- Close cooperation between Regulator and market parties;
- Clear and timely regulatory framework (including decisions on the "Digital Dividend");
- > Adequate information and assistance to viewers.



