ITU-MIC REGIONAL WORKSHOP ON TRANSITION TO DIGITAL BROADCASTING AND DIGITAL DIVIDEND 26 - 27 MAY 2011, HANOI, VIETNAM

Why Digital Migration matters?

Radiocommunication Bureau





Agenda

- Viewers
- Broadcast equipments
- Broadcasters
- Government
- Technology
- Frequency Spectrum
- Conclusions



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Viewers



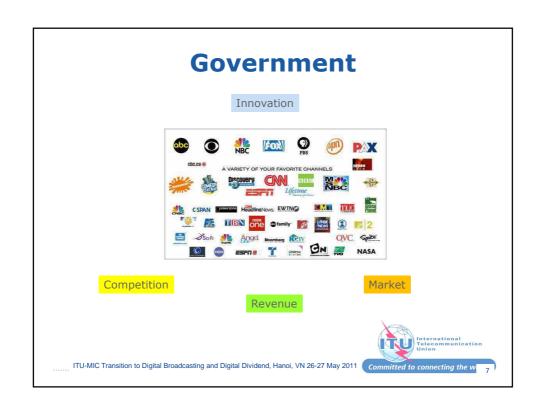
Interactive

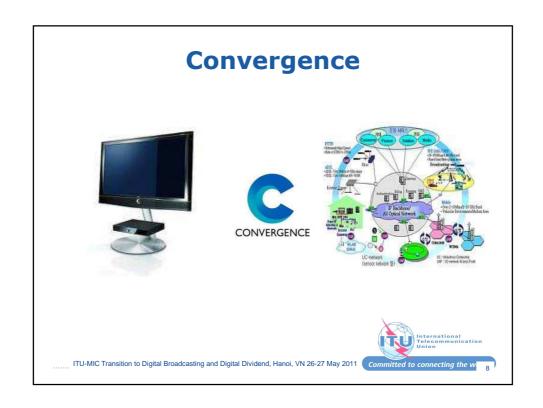
Anywhere











Spectrum Efficiency









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Digital Dividend

- The digital dividend is the amount of spectrum made available by the transition of analogue television to digital.
- Given the very important gains in spectrum efficiency resulting from the transition to digital, the digital dividend may represent very significant amounts of spectrum.

Use of Digital Dividend

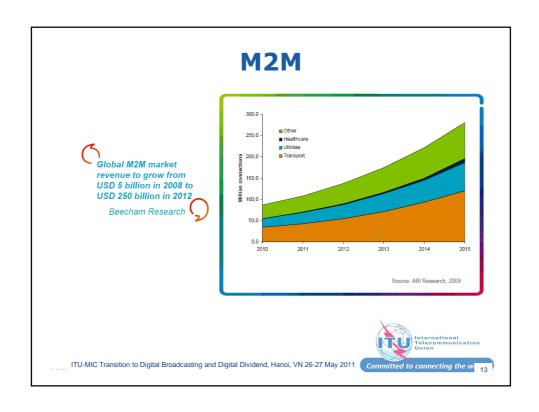
- Broadcasting services (e.g. provision of more programs, high definition, 3D or mobile television)
- Other services, such as the mobile service, in a frequency band which could be shared with broadcasting (e.g. short range devices) or in a distinct, harmonized allocation (e.g. IMT).

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Information big bang!

- Today, every year there is more information put on the web than everything that have been said and written in the history of mankind
 - ▶Dr Ian Goldin, Director of the James Martin 21St century school, Oxford, UK
- **2** days in 2012
- 4 minutes in 2016!



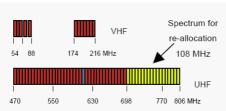


Broadband wireless

- Needs spectrum
- Will bring
 - >E-Government
 - >E-school
 - >E-medicine
 - >E-commerce



The USA



- Early identification
- Sold even before ASO June 2009
- 18 X 6 MHz = 108 MHz

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700 MHz Auction - Mar 2008

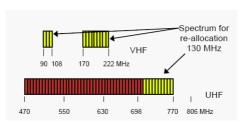
Verizon A, B & C **\$9.4 Billion** AT&T Mobility B \$6.6 Billion Frontier **Wireless**

\$711 million

Qualcomm B&E \$558 million



JAPAN

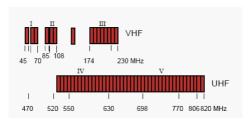


- 10 UHF channels = 60 MHz
- VHF = 70 MHz
- A total of 130 MHz

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Australia



- 126 MHz from 694-820 MHz
- Consultation on the digital dividend band configuration, licence design and the method of allocating the spectrum. The closing date for submissions was 6 Dec 2010.

Digital television migration is NOT just about Television!

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The Digital Revolution

touches all aspects of radiocommunication and telecommunication services



Start NOW! Start NOW! ITU-MIC Transition to Digital Broadcasting and Digital Dividend, Hanoi, VN 26-27 May 2011 Committed to connecting the w 21

