



# INTERNATIONAL SYMPOSIUM ON THE DIGITAL SWITCHOVER

**GENEVA, SWITZERLAND  
17 JUNE 2015**

[www.itu.int/go/GE06-Symposium-2015](http://www.itu.int/go/GE06-Symposium-2015)



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2015

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# Programme

## ITU International Symposium on the Digital Switchover “A milestone for Digital Terrestrial Television”

ITU Headquarters, Geneva, 17 June 2015

**Symposium Moderator: Christoph Dosch, Chairman, ITU-R Study Group 6**

**9:30-9:45 Welcome by the Director, BR (incl. introductory video)**

**Session 1 Objectives of the transition to digital TV– technical and regulatory frameworks**  
**Session Chair: François Rancy, Director BR**

Time Slot	Speaker/Affiliation	Title of talk
9:45-10:00	Phil Laven, Chairman DVB Steering Board	Why digital? Why a new plan?
10:00-10:15	Pham Hai, ITU, Counsellor of Study Group 6	The journey of GE-06
10:15-10:30	Ilham Ghazi, ITU, Head of Broadcasting Services Division	ITU assistance to the GE06 frequency Coordination meetings in Sub-Saharan Africa (ATU) and Arab Region (ASMG)
10:30-10:45	Istvan Bozsoki, ITU, Head of Spectrum Management and Broadcasting Division	BDT Activities and Assistance
10:45-11:00	Q&A	

**- Coffee Break – Sponsored by NHK -**

**Session 2 The analogue to digital switchover – stocktaking worldwide**  
**Session Chair: Pham Hai, ITU/BR**

Time Slot	Area/Country	Speaker/Affiliation	Title of Talk
11:20-11:28	Australia	Roger Bunch, Free TV Australia	Digital Terrestrial Television Broadcasting in Australia
11:28-11:36	China	Prof. Jian Song, Tsinghua University (Vice-chair WP 6A)	The DTMB Deployment Status in China and the Future Work
11:36-11:44	India	Nisar Ahmed Khan, Doordarshan	Journey of Terrestrial TV from Analog to Digital
11:44-11:52	Japan	Reiko KONDO, Ph.D., Ministry of Internal Affairs and Communications, Japan (MIC)	ASO Experience in Japan
11:52-12:00	The Arabic area	Bassil Zoubi, ASBU	ASBU digital television broadcasting future
12:00-12:08	Kenya	Leo Boruett, Communications Authority of Kenya	Kenya: The Journey to 17th June 2015
12:08-12:16	Nigeria	Abayomi Olaiya Bolarinwa, CEO, Yomi Broadcast Services Limited (Vice-Chair SG 6)	Transition in Nigeria
12:16-12:24	Senegal	Amadou Top, Comité national de pilotage de la transition de l'analogique vers le numérique (CONTAN)	DSO in Senegal
12:24-12:32	Tanzania	Andrew Kisaka, Tanzania Communications Regulatory Authority (TCRA)	Digital Migration - Lessons from Tanzania
12:32-12:40	Europe	Bernard Pauchon, TDF, Chair of DigiTAG Spectrum&Networks Group	Digital Switch Over Experiences across Europe
12:40-12:48	Brazil	Thiago Aguiar SOAREZ, ANATEL	Analog TV Switch-off in Brazil
12:48-12:56	The Caribbean area	Guno Cooman, CBU / ATV-Telesur, Suriname	Analogue to digital switchover: the Caribbean challenge
12:56-13:04	USA	Larry Olson, FCC (Chair WP 6A)	DTV Transition

## - Lunch Break -

### **Session 3: Advanced technologies for television** **Session Chair: David Wood, Chairman WP 6C**

Time Slot	Speaker/Affiliation	Title of talk
14:00-14:20	Paul Gardiner, Sony	Frontiers of video (UHDTV, EIDRTV, wide colour gamut, higher frame-rates)
14:20-14:40	Christophe Chabanne, Dolby	Frontiers of audio technology (immersive sound, etc.)
14:40-15:00	Yukihiro Nishida, NHK (Chair WP 6B)	Integrated broadcast-broadband (IBB) systems
15:00-15:20	Roundtable discussion	

## - Coffee Break – Sponsored by EBU -

### **Session 4: Building a sustainable ecosystem for digital TV** **Session Chair: Simon Fell, EBU**

Time Slot	Speaker/Affiliation	Title of talk
15:50-16:05	Peter Mac Avock, EBU	Importance of DTT for the future of television
16:05-16:20	Mark S. Richer, President ATSC	Next Generation DTV: ATSC 3.0
16:20-16:40	Vincent Grivet, TDF, Chairman DVB-T Commercial Module	What's next in digital terrestrial television?
16:40-16:50	David Barrett, Chairman Rapporteur Group "Broadcasting Spectrum Requirements"	ITU Survey on the future need for broadcasting spectrum
16:50-17:05	Jochen Mezger, IRT, General Manager Programme Distribution, Chair EBU Project Group CTN-Mobile	Broadcasters' requirements in the light of 5G and beyond
17:05-17:20	Q&A for clarification immediately followed by the final Roundtable Discussion	

### **17:20 – 17:50 Closing Round Table Quo vadis digital terrestrial television** **Session Chair: François Rancy, Director BR**

The final round table will discuss issues such as:

- Status of analog-to-digital and digital-to-digital transition
- Efficient use of spectrum and growth potential for TV broadcasting in view of new technologies
- Convergence between broadcasting and mobile service

Round table participants are the Chairs of all Sessions, the speakers of Session 4 plus additional experts in the field.

### **17:50 – 18:00 Award Ceremony "Outstanding experts of GE-06"** **Session Chair: François Rancy, Director BR**

Kavouss ARASTEH, Jean CHARTIER, Chris van DIEPENBEEK, Jan DOEVEN, Pham HAI, Ken HUNT, Prof. Mark KRIVOCHEEV, Nigel LAFLIN, Terrence O'LEARY, Daniel SAUVET-GOICHON

# Demonstrations

## ITU International Symposium on the Digital Switchover “A milestone for Digital Terrestrial Television”

ITU Headquarters, Geneva, 17 June 2015

All demos are available on 17 June 2015 from 9:00 – 18:00 hours

Organisation	Title of Demonstration
ITU BDT	Database for the Digital Switchover
EBU	DVB-T2 and HEVC (up to seven HDTV in one MUX)
DVB/EBU	UHDTV over DVB-T2
Dolby	Extended Image Dynamic Range for UHDTV
EBU/BBC	Extended Image Dynamic Range for UHDTV
BBC/EBU	Higher frame rates for Television
EBU	HbbTV reception (live)
EBU	DVB-T to IP conversion for in-home reception on mobile devices
Fraunhofer IIS	Immersive audio
LStelcom	Planning tools
NHK	Emergency Broadcasting
ATDI	Planning tools



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