DIGITAL BROADCASTING IN INDONESIA

AIBD/ITU/ABU REGIONAL WORKSHOP ON DIGITAL TERRESTRIAL BROADCASTING TV AND RADIO POLICY AND TRANSITION
JUNE, 5TH 2017
INDONESIA IS THE BIGGEST ARCHIPELAGO COUNTRY

17,504 ISLAND
257,9 MILLION CITIZEN
746 LANGUAGES
1128 TRIBES
TV BROADCASTING IN INDONESIA

JUMLAH IZIN PENYELENGGARAAN PENYIARAN RADIO

- Private TV: 722
- Digital Private TV: 94
- Pay TV: 473
- Community TV: 27
- TV License Proposal: 767
RADIO BROADCASTING IN INDONESIA

- **PRIVATE RADIO**: 1465
- **COMMUNITY RADIO**: 324
- **LOCAL PUBLIC RADIO**: 210
- **RADIO LICENSE PROPOSAL**: 2000

**JUMLAH IZIN PENYELENGGARAAN PENYIARAN RADIO**
History of Indonesia TV Industry
Towards Digitalization

- **1960’s**
  - 1962: Asian Games (ganefo)

- **1970’s**
  - 1963: TVRI Go Commercial Ad

- **1980’s**
  - 1981: SST DKI
  - 1989: SST Jawa Timur

- **1990’s**
  - 1990: SST
  - 1989-1993: Local/Regional Broadcasting Era

- **2000’s**
  - 2002: National Broadcasting System Era
  - 2002: Network Broadcasting System Era
  - 2012: Digital Era
  - 2018: ASO

**Key Events**
- President Decree No 215/1963 About TV Ad
- TVRI Go Commercial Ad
- MD No. 190A/KEP/MENPEN/1987 Limited Regional Channels Broadcasting Permit
- Kepmenpen No. 04A/KEP/Menpen/1993
- Law No. 32/2002 About Broadcasting
- MD No. 43/2009 Broadcast Network System
- MD No. 39/2009 Digital Broadcasting
- TV Digital Indonesia
- MD No. 27/2008 Digital Broadcast Trial
# ROADMAP IMPLEMENTATION OF DIGITAL TERRESTRIAL TV BROADCASTING

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<td>Simulcast Period in DKI and EDR, Zone 1</td>
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<td>Network Deployment of Digital Television in EDR Zone 3</td>
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<td>Network Deployment of Digital Television in ELDR Zone 4</td>
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<td>Simulcast Period in ELDR Zone 4</td>
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<td>Network Deployment of Digital Television in ELDR Zone 5</td>
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<td>Simulcast Period in ELDR Zone 5</td>
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**EDR**: Economically Developed Region  
**ELDR**: Economically Less Developed Region  
**DKI** (Capital City of Jakarta) not regarded as EDR and ELDR  
**EDR Zone 1**: (3 provinces)  
West Java, Central Java, East Java  
**EDR Zone 2**: (5 provinces)  
North Sumatera, Banjar, Blau Island, DI Yogyakarta, East  
**NMTPD**: National Medium-Term Development Plan  
**EDR Zone 3**: (14 provinces)  
Aceh, West Sumatera, Iiwa, Jambi, South Sumatera, Bangka Belitung, Bengkulu, Lampung, Bali, West Kalimantan, Central Kalimantan, North Sulawesi, South Sulawesi, Maluku  
**EDR Zone 4**: (9 provinces)  
Gorontalo, Central Sulawesi, Southeast Sulawesi, South Kalimantan, West Nusa Tenggara, East Nusa Tenggara, North Maluku, West Papua  
**EDR Zone 5**: (1 provinces)  
Papua  

NMTPD TARGET 2014

TV digital
Gambar lebih bersih, suara lebih jernih!
**DTTB REGULATION**........(1)


5. Ministerial Decree No: 121/KEP/M.KOMINFO/02/2012 on Selection Team of Broadcasting Institution for Multiplexing Implementation on Digital Terrestrial Television Broadcasting for Non-Paid Fixed Reception (free-to-air)

6. Ministerial Decree No: 17/PER/M.KOMINFO/06/2012 on The Implementation of Determining The Multiplexer

7. Ministerial Decree No: 18/PER/M.KOMINFO/06/2012 on Procedures for Calculating Leasing Tariff of Broadcast Slot on Multiplexing Implementation

8. Ministerial Decree No: 22/PER/M.KOMINFO/07/2012 on The Usage of Radio Spectrum Band 478-694 MHz on Service Zone IV, Service Zone V, Service Zone VI, Service Zone VII and Service Zone XV for Transition of Digital Terrestrial Television Broadcasting
9. Ministerial Decree No: 24 Year 2013 on Selection Team of Broadcasting Institution for Multiplexing Implementation on Digital Terrestrial Television Broadcasting for Non-Paid Fixed Reception (free-to-air)

10. Ministerial Decree No: 06 Year 2013 on Revision Ministerial Decree No: 17 Year 2013 on The Implementation of Determining The Multiplexer

11. Ministerial Decree No: 09 Year 2014 on Set Top Box Technical Specification Standard

12. Ministerial Decree No: 03 Year 2014 on Early Warning System Specification Standard
PRINCIPLES OF DTTB IMPLEMENTATION

The government adopted a policy of free-to-air fixed DTTB based on the following principles:

– Assurance to get information for the public;
– The rights of existing broadcasters in conducting business activities remain secured, and
– Efficient usage of the radio frequency spectrum.
POLICIES ON DTTB IMPLEMENTATION

Based on the principles, the Government took the following policies:

- Set the DVB-T2 standard for FTA fixed DTTB in Indonesia.
- Set the regulation for MUX operator for FTA fixed DTTB.
- Set period of simulcast beginning in 2012
- Make the selection for MUX operator
  - Mux operator must conduct its DTTB infrastructure roll-out plan
  - Mux operator must conduct principles of **open access** (lease the mux capacity to other non-affiliated broadcasters) and **non-discriminatory** (lease the mux capacity based on service level agreement)
- DVB-T2 Set top box has to support the early warning system (EWS) in accordance with prevailing regulations.
DTTB FTA BUSINESS MODEL (MULTI MUX)

MUX OPERATOR IN A SERVICE AREA

CONTENT PROVIDER

-MUX-1
-MUX-2
-MUX-3
-MUX-4
-MUX-5
-TVRI

dst

LPS-1 sd....

LPS-1 sd ...

LPS-1 sd ...

LPS-1 sd ...

LPS-1 sd...

*LPS= Lembaga Penyiaran Swasta (Private broadcasting institution)
 Ministry of Communication and Information Technology

**DTTB FTA BUSINESS MODEL (SINGLE MUX)**

- **CONTENT A**
- **CONTENT B**
- **CONTENT C**

**MUX 1**

**BROADCASTER DVB-T2**

**CONTENT PROVIDER**

**MULTIPLEXER**

**NETWORK PROVIDER**
DTTB FTA COVERAGE PLAN

2012
Jawa + Kepri

2013
+ Aceh + Sumut + Kaltim + Kalsel

2014
+ Sumatera

2015
+ Sulsel + Sulut + Kalimantan

2016
+ Sulawesi

2017
+ Maluku + Papua

2018
NATIONWIDE DIGITAL COVERAGE

DIGITAL TV COVERAGE AREA
DIGITAL RADIO BROADCASTING PROGRESS

- DAB first trial on 2006-2007
- DAB family determinate as national standard on 2009 (PM 21/2009)
- Trial DAB+ by RRI
- Workshop DAB+ in Jakarta (2012)
- Study of DAB System Road Map (2012)
- Digital Radio DAB+ 2,5 KW by RRI (2013)
- Digital Radio Workshop DAB+ dan Field Test (2014)
### FUTURE PLAN

- Making of Digital Radio Frequency Master Plan
- Making of Regulation for Digital Radio Implementation
- Standardization of Digital Radio Transmitter and Receiver
- Roadmap of Digital Radio Implementation
- Digital Radio Broadcasting Business Model
- Promotion of Digital Radio Broadcasting
Thank you
Terima kasih 😊