



# **DIGITAL BROADCASTING IN INDONESIA**

**AIBD/ITU/ABU REGIONAL WORKSHOP ON  
DIGITAL TERRESTRIAL BROADCASTING TV AND RADIO  
POLICY AND TRANSITION  
JUNE, 5<sup>TH</sup> 2017**



## **INDONESIA IS THE BIGGEST ARCHIPELAGO COUNTRY**

17.504 ISLAND

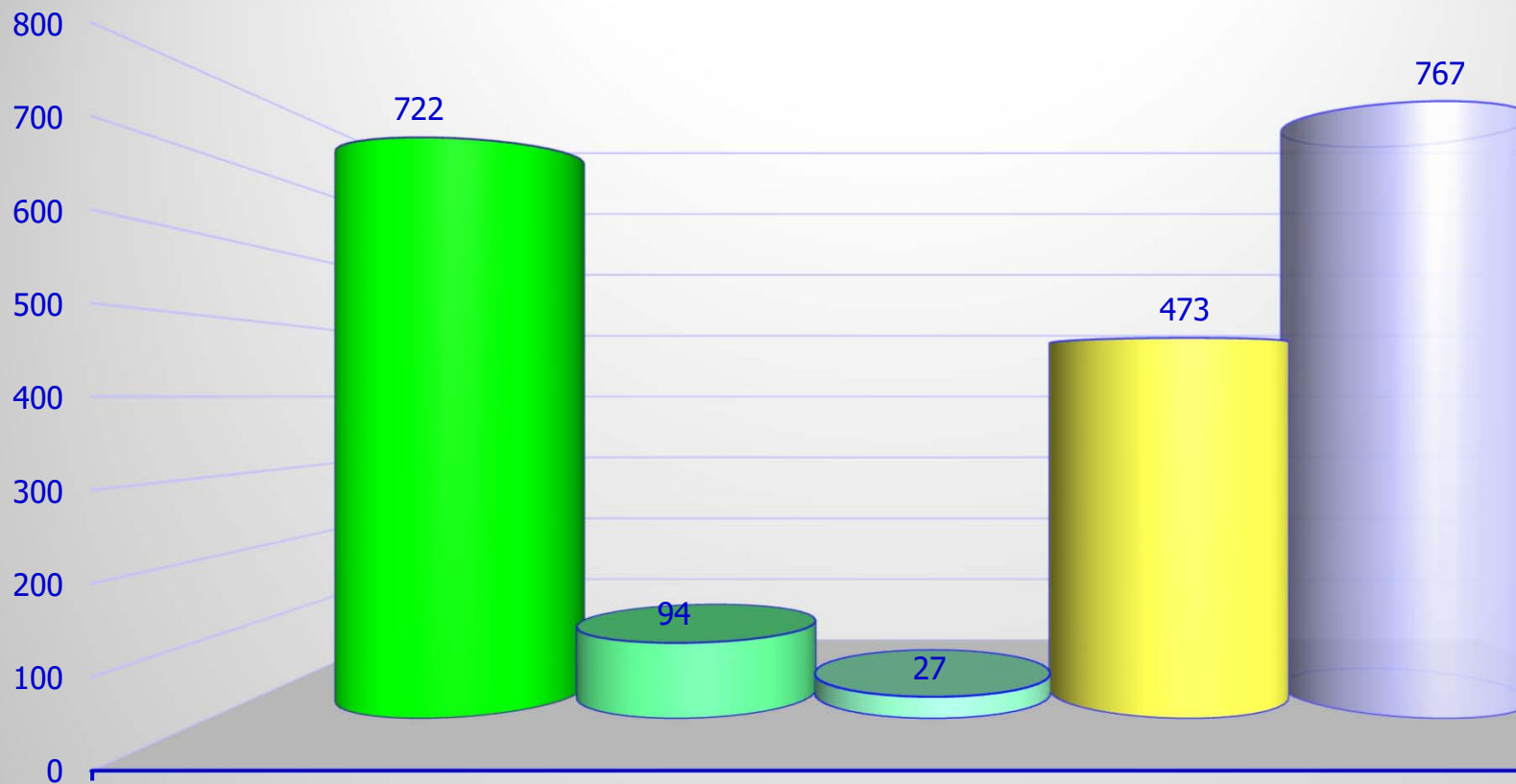
257,9 MILLION CITIZEN

746 LANGUAGES

1128 TRIBES



## TV BROADCASTING IN INDONESIA

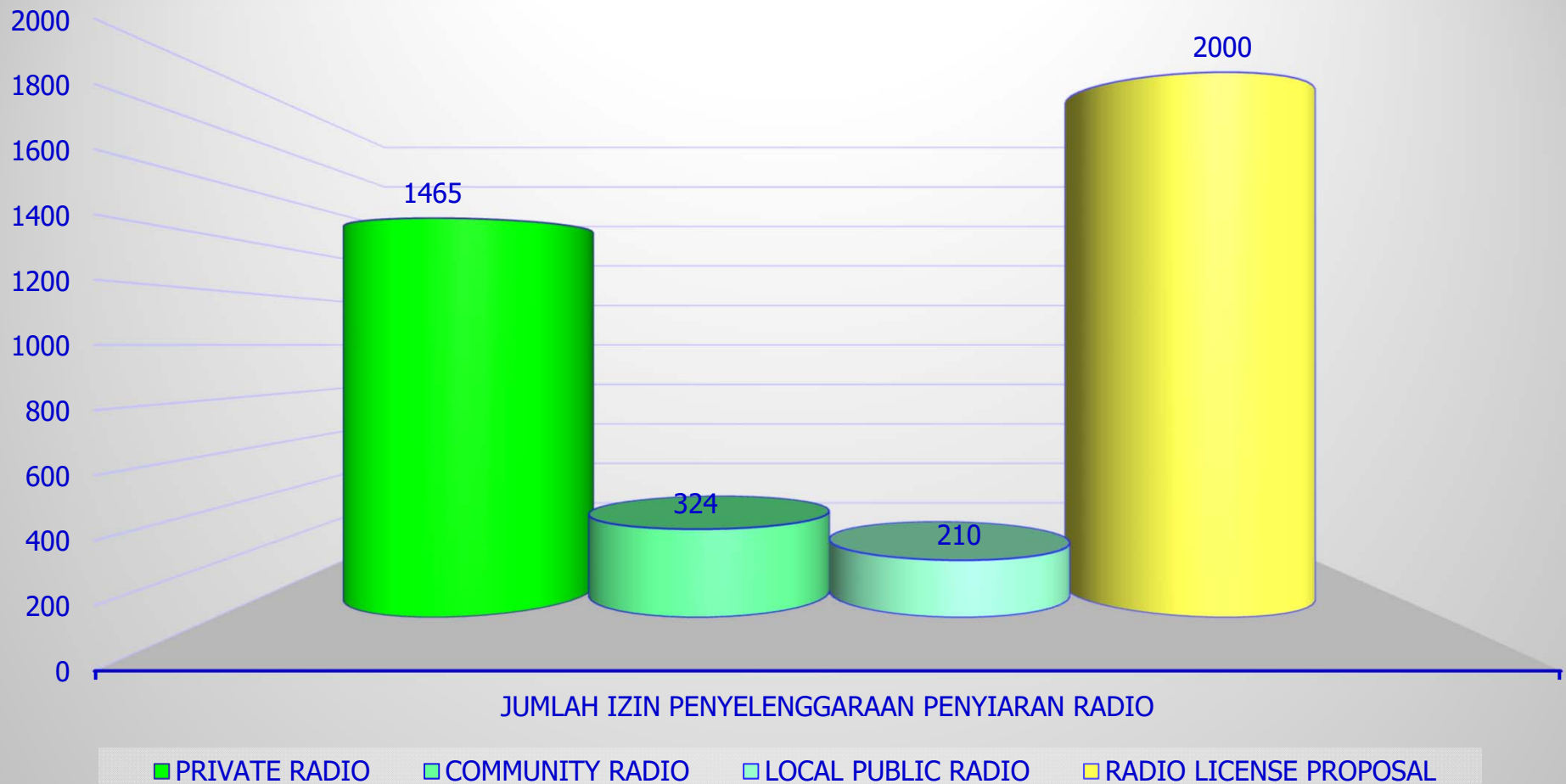


JUMLAH IZIN PENYELENGGARAAN PENYIARAN RADIO

■ Private TV ■ Digital Private TV ■ Community TV ■ Pay TV ■ TV License Proposal

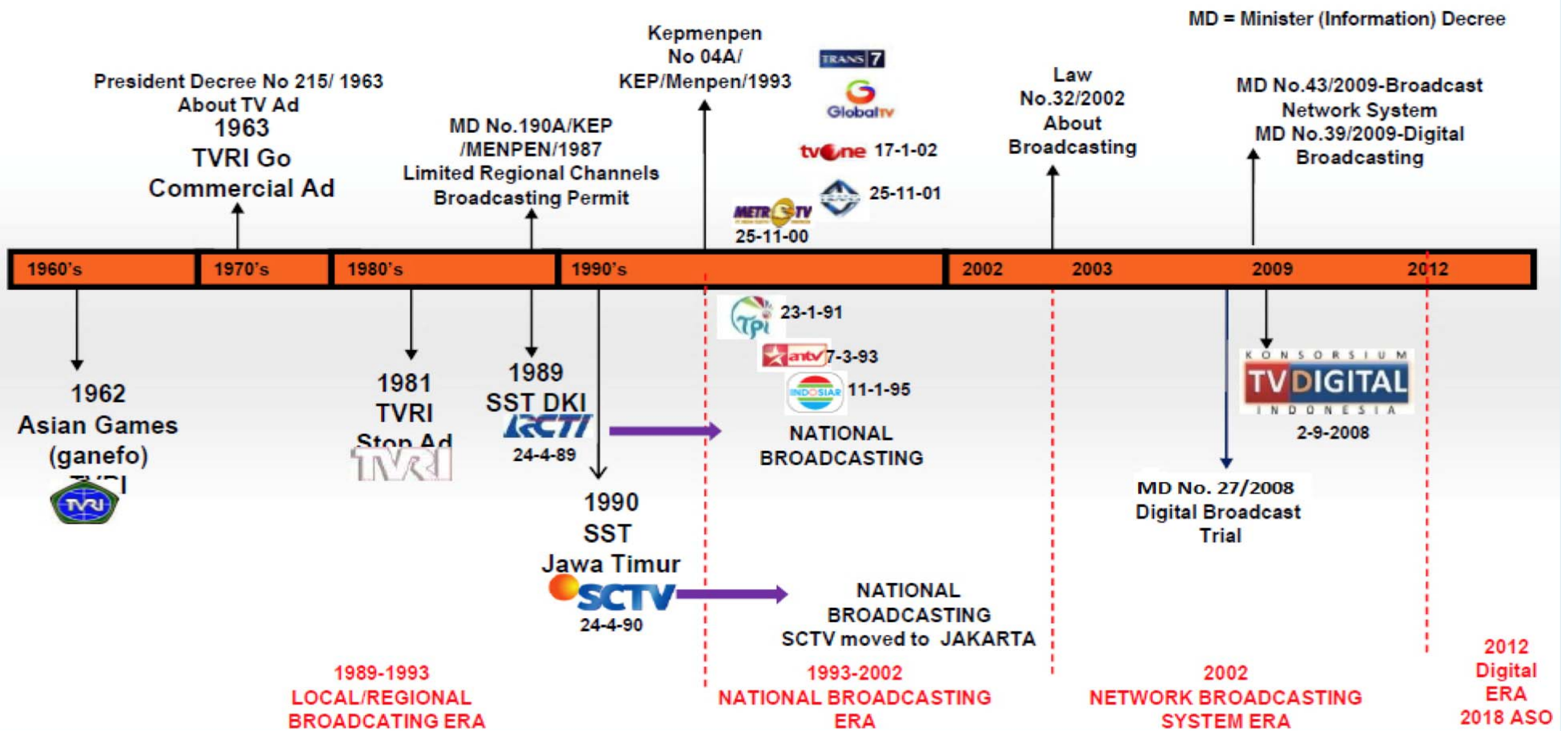


## RADIO BROADCASTING IN INDONESIA





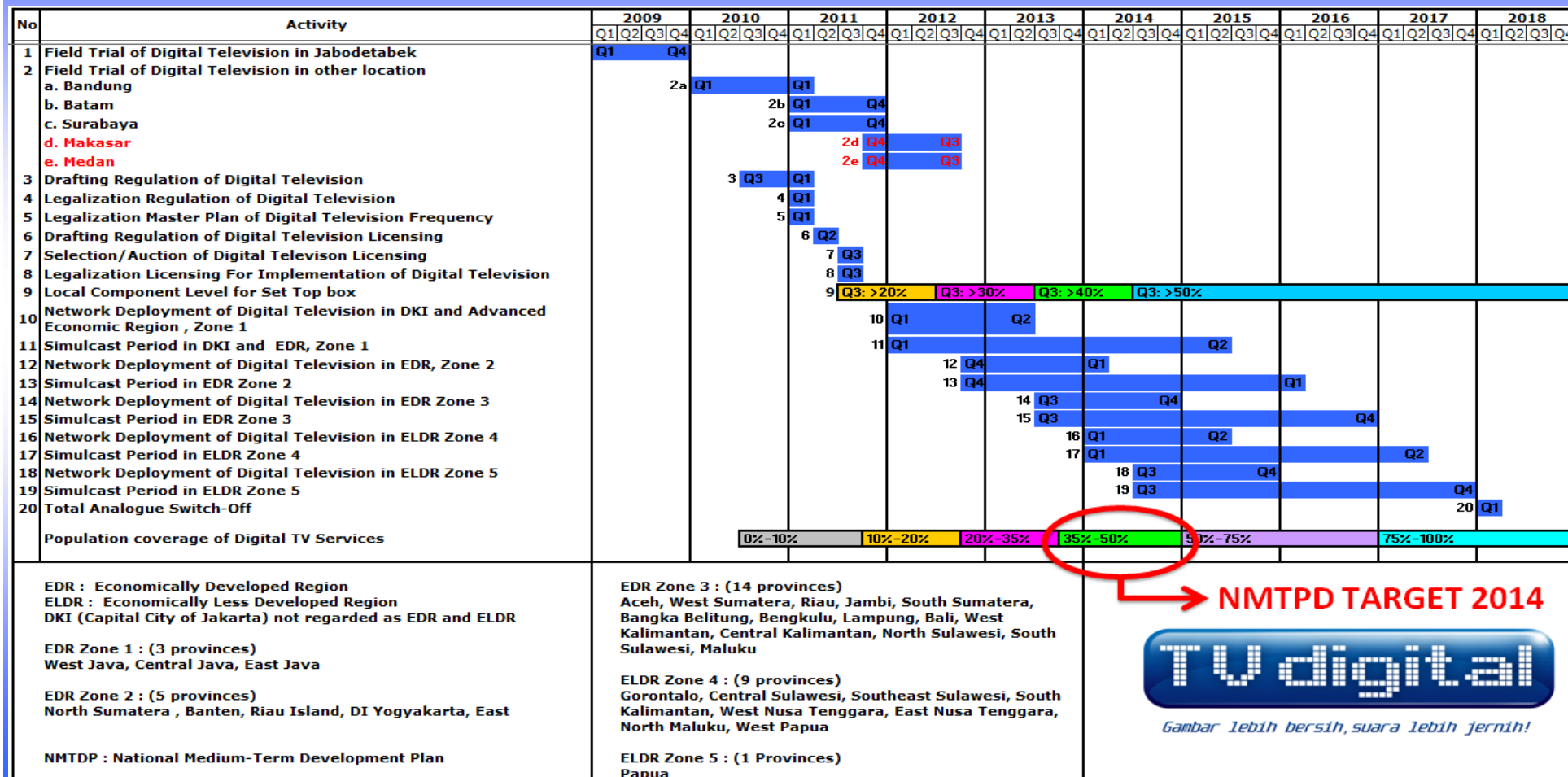
# History of Indonesia TV Industry Towards Digitalization







# ROADMAP IMPLEMENTATION OF DIGITAL TERRESTRIAL TV BROADCASTING





## **DTTB REGULATION.....(1)**

1. Ministerial Decree No: 32 Year 2013 on The Implementaion of Digital Television Broadcasting and Multiplexing Broadcasting By Terresrial System (subtitute Ministerial Decree No: 22/PER/M.KOMINFO/11/2011)
2. Ministerial Decree No: 23/PER/M.KOMINFO/11/2011 on Masterplan of Radio Frequency for Digital Terrestrial Television Broadcasting on Band 478-694 MHz
3. Ministerial Decree No: 5/PER/M.KOMINFO/2/2012 on Standard of Digital Terresrial Television Broadcasting for Non-Paid Fixed Reception (free-to-air)
4. Ministerial Decision No: 95/KEP/M.KOMINFO/02/2012 on Business Opportunity of Multiplexing Implementation for Digital Terresrial Television Broadcasting for Non-Paid Fixed Reception (free-to-air) in Service Zone 4 (DKI Jakarta & Banten), 5 (West Java), 6 (Central Java & Jogjakarta), 7 (East Java) and 15 (Riau Islands).



## **DTTB REGULATION.....(2)**

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





## **DTTB REGULATION....3)**

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.



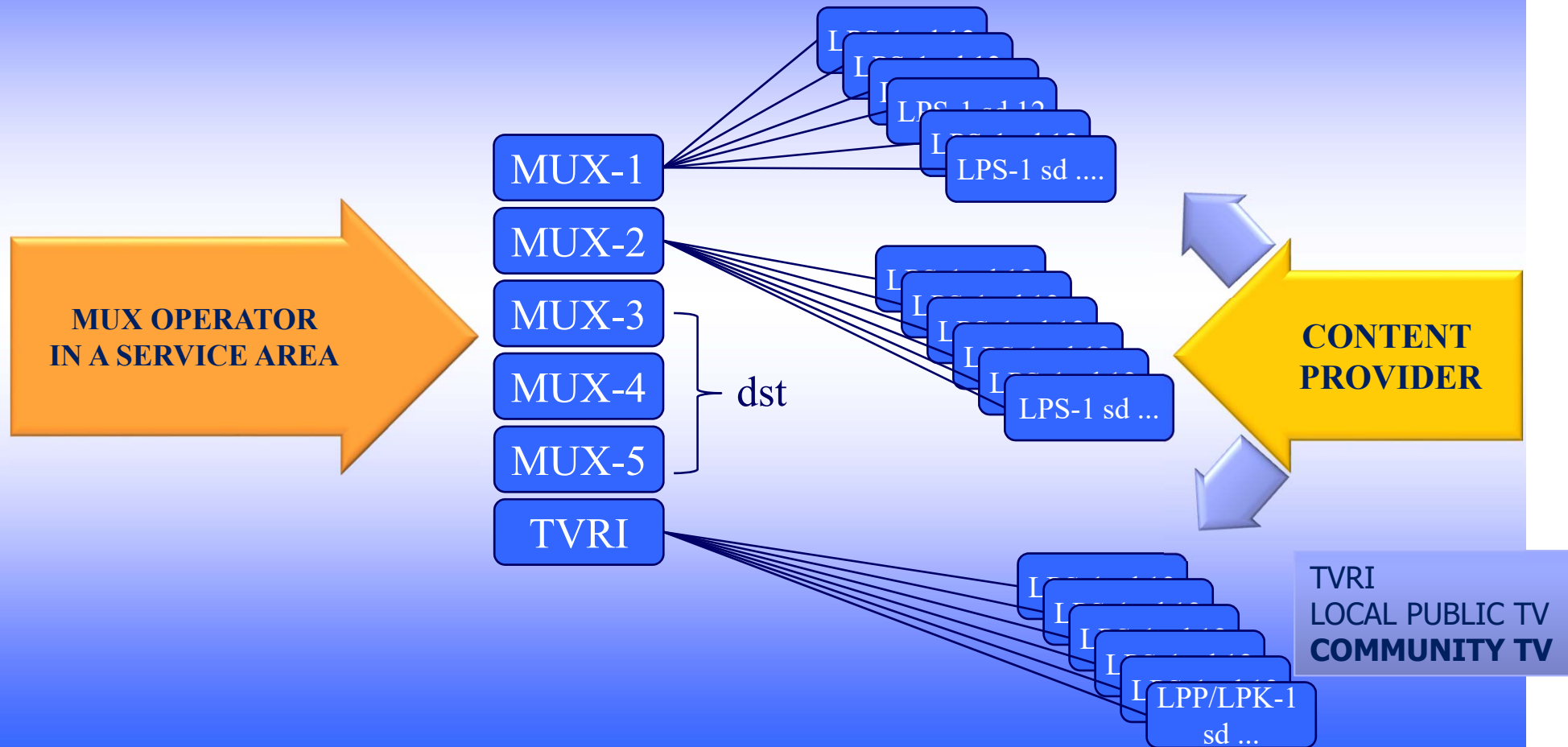
## POLICIES ON DTTB IMPLEMENTATION

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.



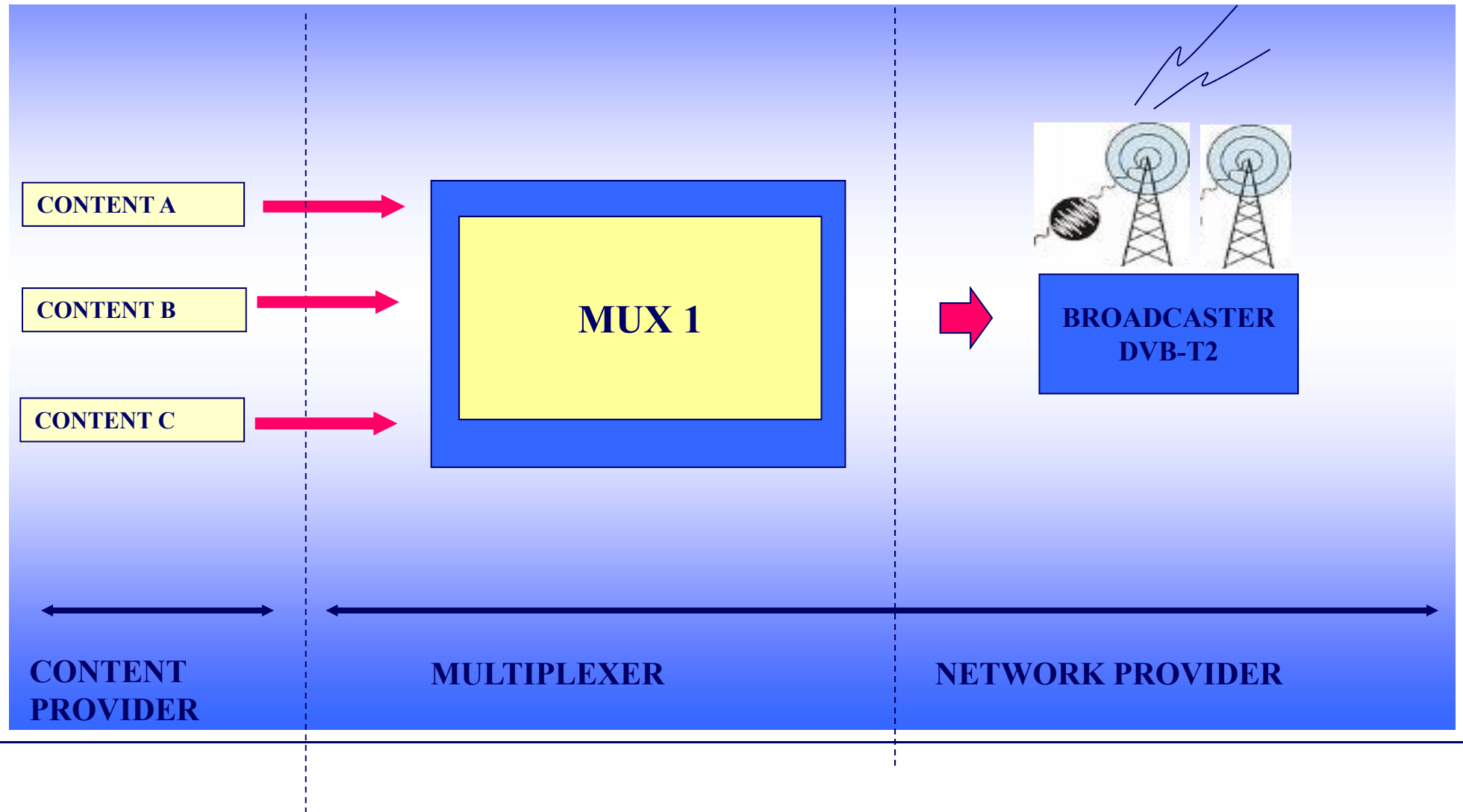
## DTTB FTA BUSINESS MODEL (MULTI MUX)



\*LPS= Lembaga Penyiaran Swasta (Private broadcasting institution)



## DTTB FTA BUSINESS MODEL (SINGLE MUX)





## 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**



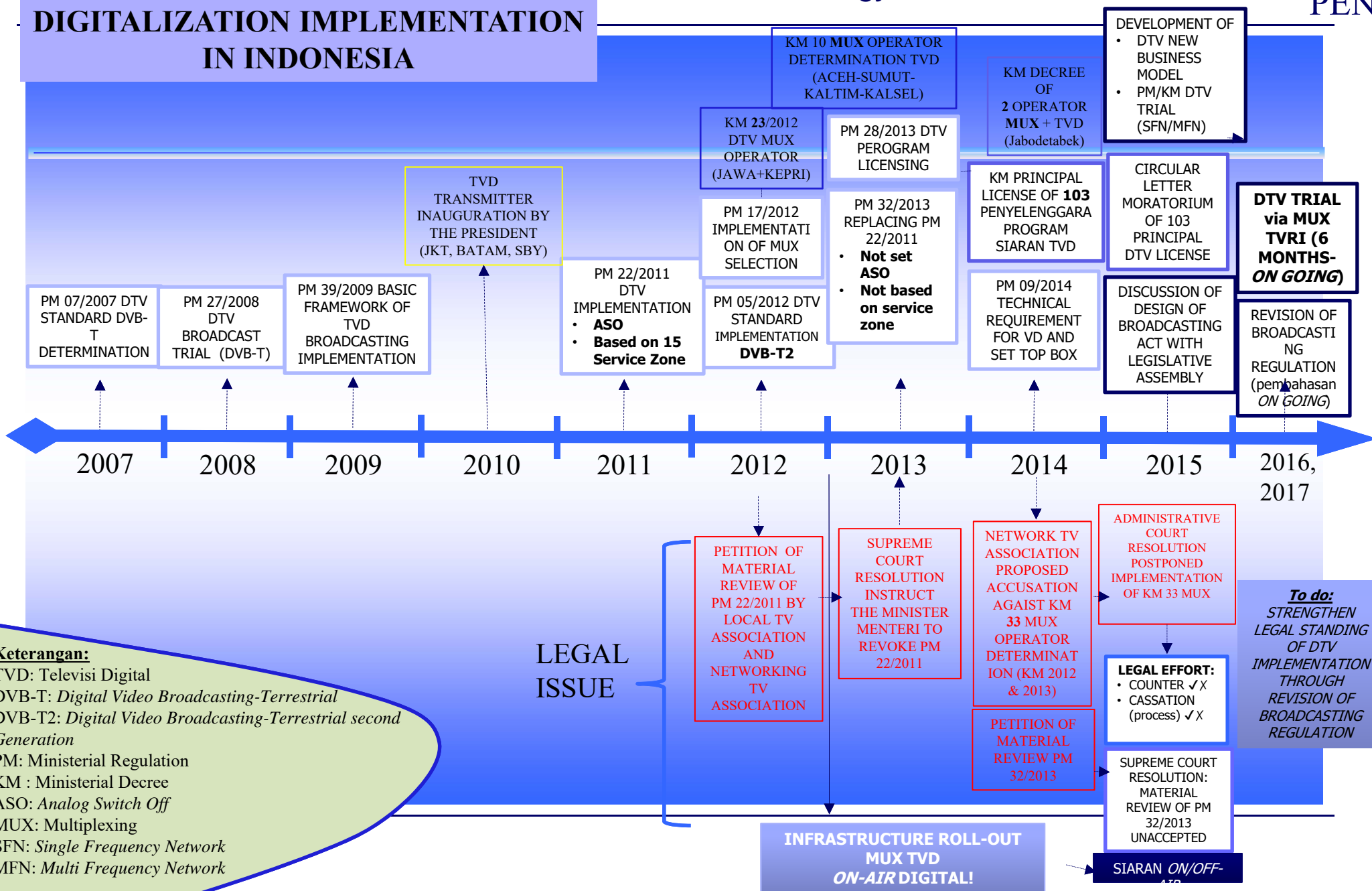
DIGITAL TV COVERAGE AREA



# CHRONOLOGY OF FTA TV DIGITALIZATION IMPLEMENTATION IN INDONESIA

Information Technology

PEN





## **DIGITAL RADIO BROADCASTING PROGRESS**

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- 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**

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



*Digital TV Mascot*