



**BROADCASTING DIRECTORATE
MINISTRY OF COMMUNICATION AND INFORMATION TECHNOLOGY, INDONESIA**

PROGRESS OF DIGITAL BROADCASTING IN INDONESIA

**ITU/NBTC SEMINAR ON DIGITAL BROADCASTING
DECEMBER, 12TH 2017**



INDONESIA IS THE BIGGEST ARCHIPELAGO COUNTRY



17.504 ISLAND

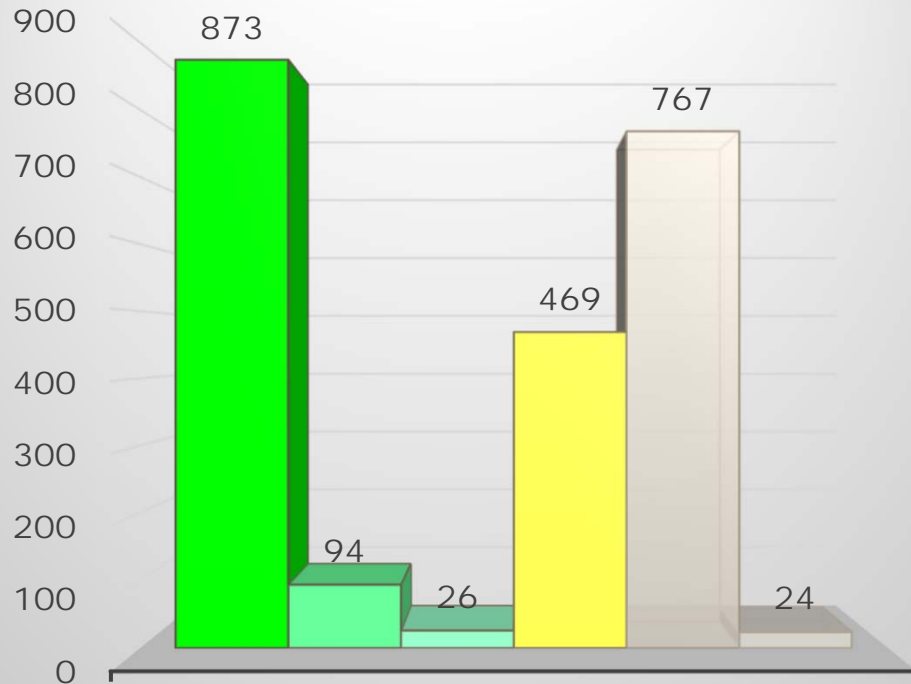
746 LANGUAGES

257,9 MILLION CITIZEN

1128 TRIBES

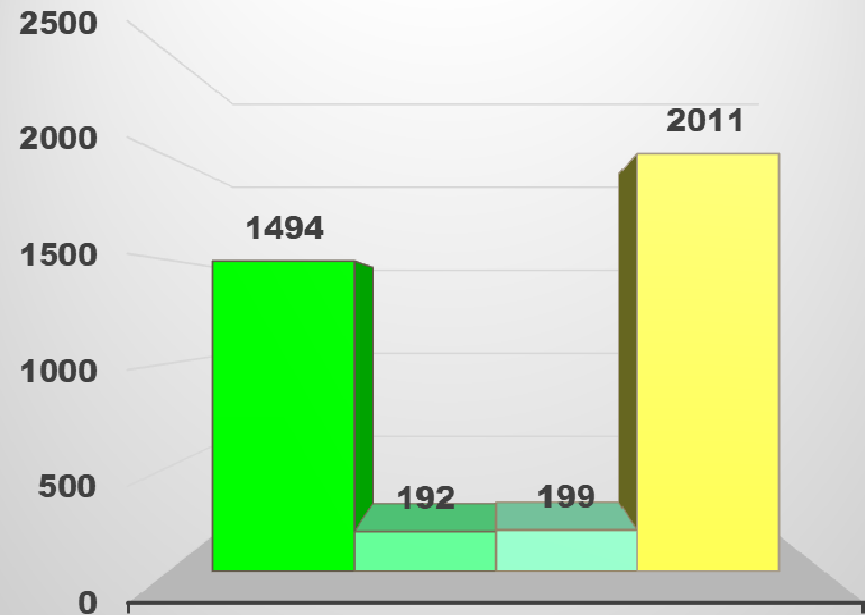


TV AND RADIO BROADCASTING IN INDONESIA



TV BROADCASTING IN INDONESIA

- Private TV
- Digital Private TV
- Community TV
- Pay TV
- TV License Proposal
- Local Public TV

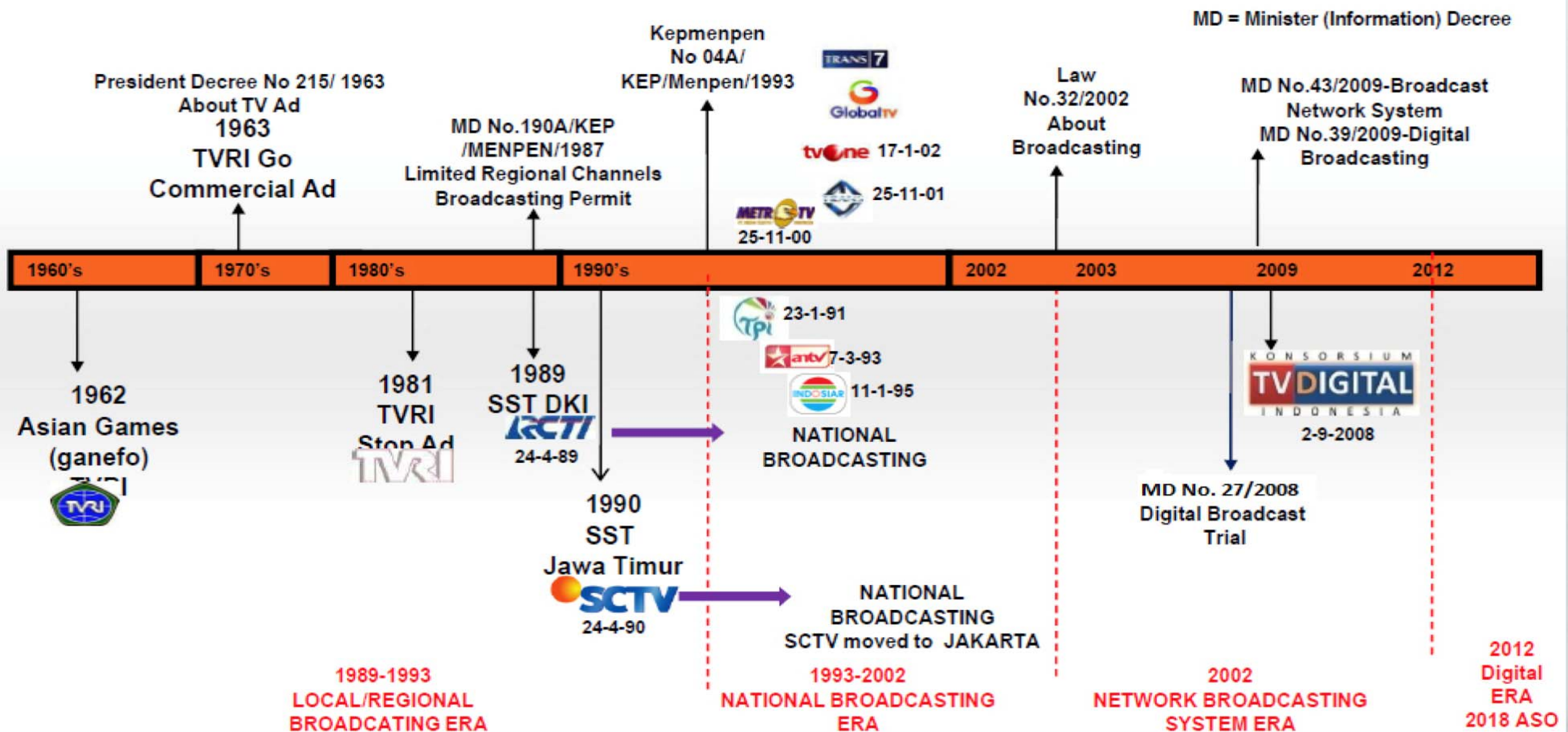


RADIO BROADCASTING IN INDONESIA

- Private Radio
- Community Radio
- Local Public Radio
- Radio License Proposal



History of Indonesia TV Industry Towards Digitalization





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 TERRESRIAL 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 TERRESRIAL 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.



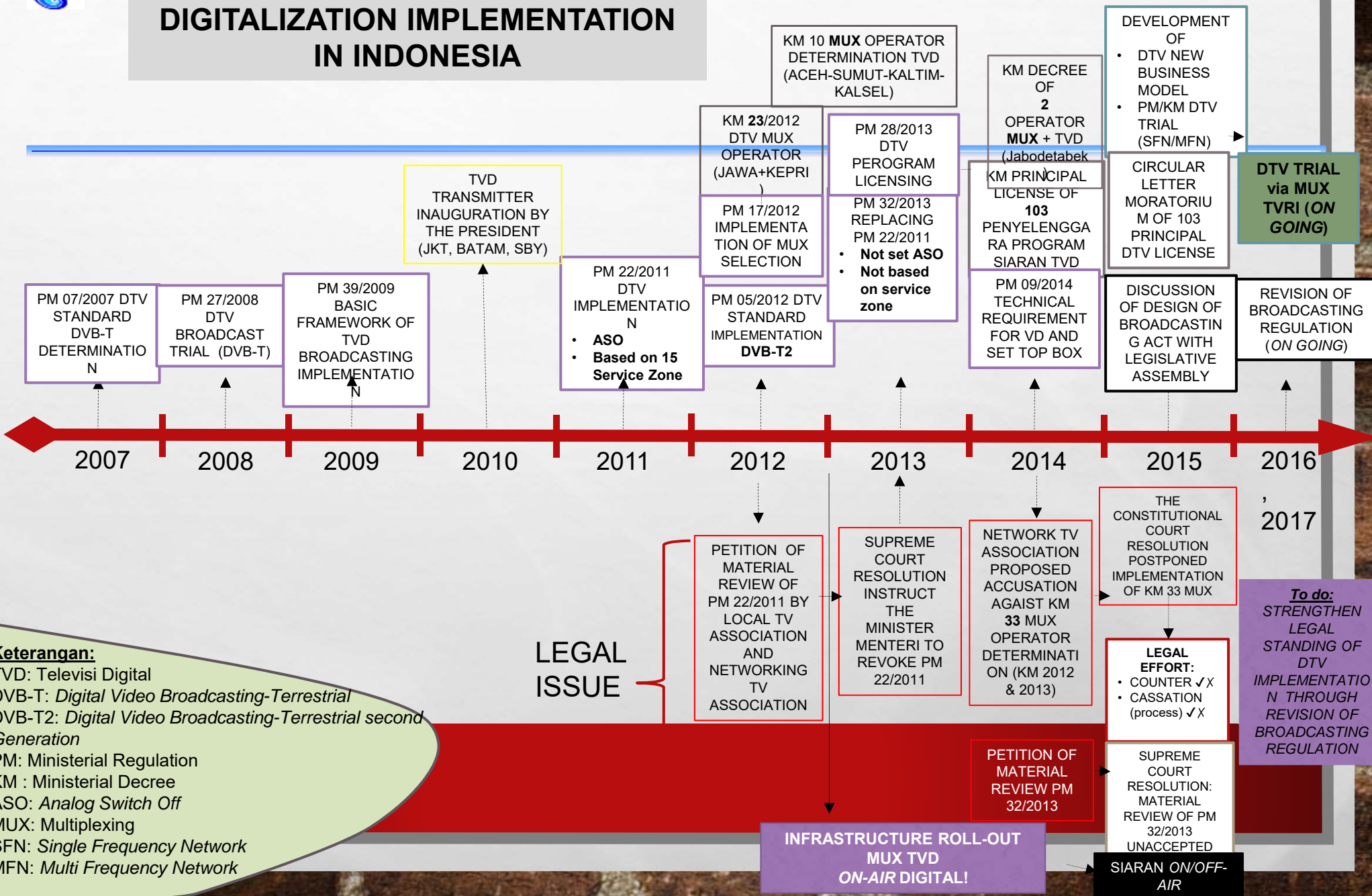
POLICIES ON DTTB IMPLEMENTATION

BASED ON THE PRINCIPLES, THE GOVERNMENT TOOK THE FOLLOWING POLICIES:

- a. SET THE DVB-T2 STANDARD FOR FTA FIXED DTTB IN INDONESIA.
- b. SET THE REGULATION FOR MUX OPERATOR FOR FTA FIXED DTTB.
- c. SET PERIOD OF SIMULCAST BEGINNING IN 2012
- d. 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)
- e. DVB-T2 SET TOP BOX HAS TO SUPPORT THE EARLY WARNING SYSTEM (EWS) IN ACCORDANCE WITH PREVAILING REGULATIONS.



CHRONOLOGY OF FTA TV DIGITALIZATION IMPLEMENTATION IN INDONESIA



Keterangan:

TVD: Televisi Digital

DVB-T: Digital Video Broadcasting-Terrestrial

DVB-T2: Digital Video Broadcasting-Terrestrial second Generation

PM: Ministerial Regulation

KM : Ministerial Decree

ASO: Analog Switch Off

MUX: Multiplexing

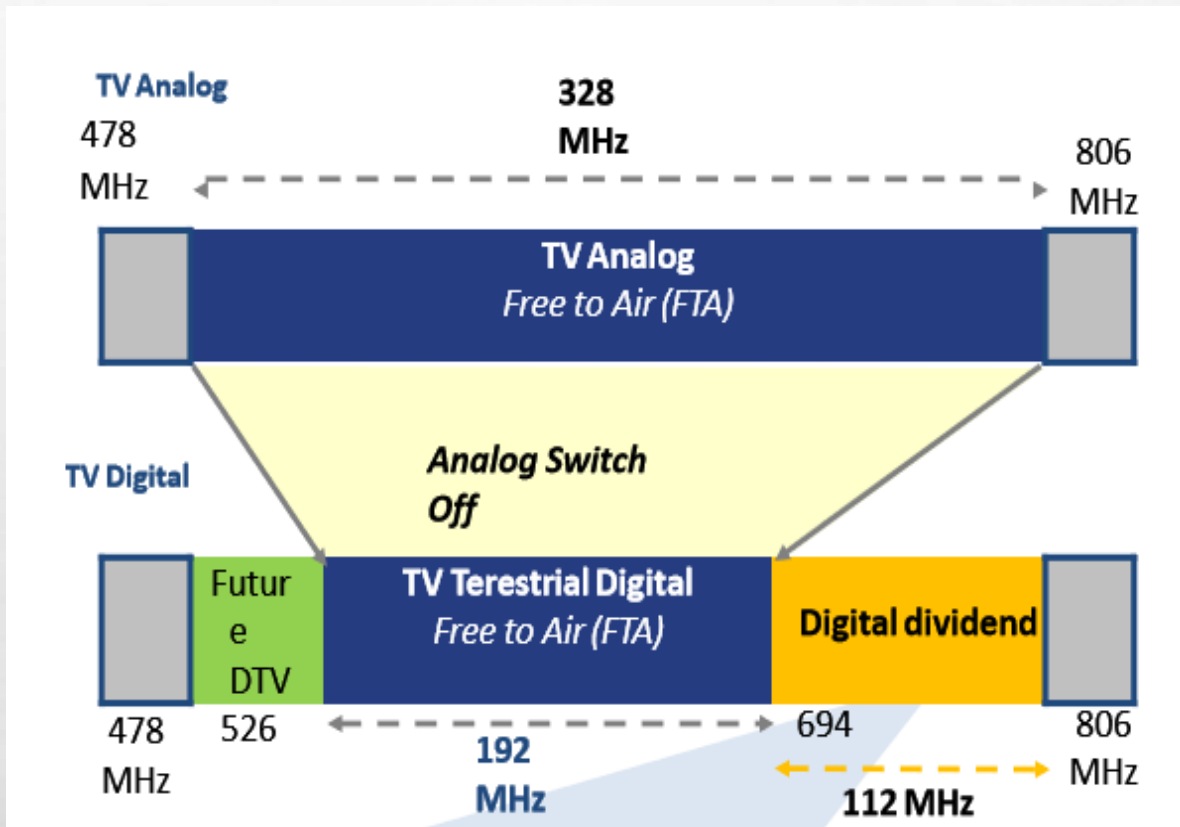
SFN: Single Frequency Network

MFN: Multi Frequency Network



DIGITAL DIVIDEND AND PPDR

ANALOG SWITCH OFF CAUSES DIGITAL DIVIDEND

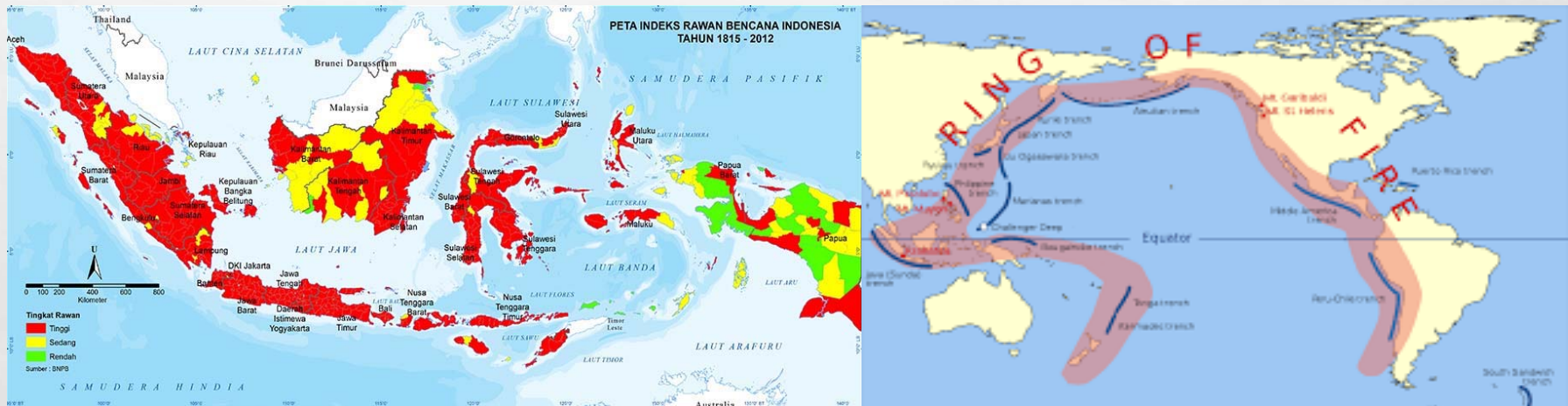


- Indonesia have high risk on disasters such as landslides, volcanic eruptions, floods, etc
- Indonesia must implement disaster management system (PPDR) by utilizing Digital Dividend
- Instead of PPDR, additional frequencies are also required for the improvement of digital based economy such as e-commerce, e-education, e-health and preparation of technological progress



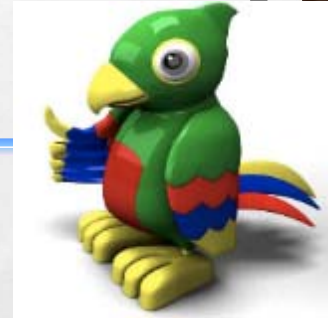
INDONESIA : HIGH RISK DISASTER COUNTRY

Indonesia is one of the most vulnerable countries in the world based on data released by the United Nations Agency for International Disaster Reduction (UN-ISDR).





DIGITAL TV TRIALS



Legal Basis

- **Ministrial Regulation No.5/2016** about Trials on Technology of Telecommunication, Information Technology dan Broadcasting
- **Ministrial Decree No.1227/2017** about The Trial of Digital Terrestrial TV.
 - Trial of Digital Terrestrial TV apply for one year and can be
 - Set to date **June 8th 2017**

Purposes

- To carry out research on technical and nontechnical aspects
- Providing input in order to determine the direction of terrestrial TV Broadcasting industry policy (revision of Broadcasting Act)

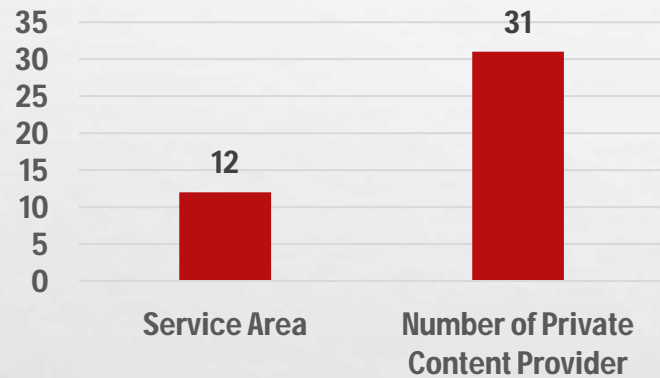
Execution

- TVRI as executor/ multiplexing infrastructure provider distribute content from private digital content provider
- TVRI make agreement with private digital content provider related to slot capacity, content distribution channel and cost sharing, operational and maintenance.

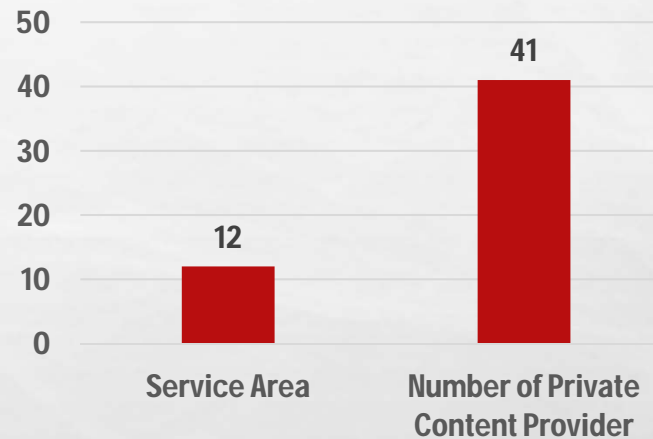


DTTB TRIAL PHASE I & II

Phase I



Phase II



9 Jun 2016

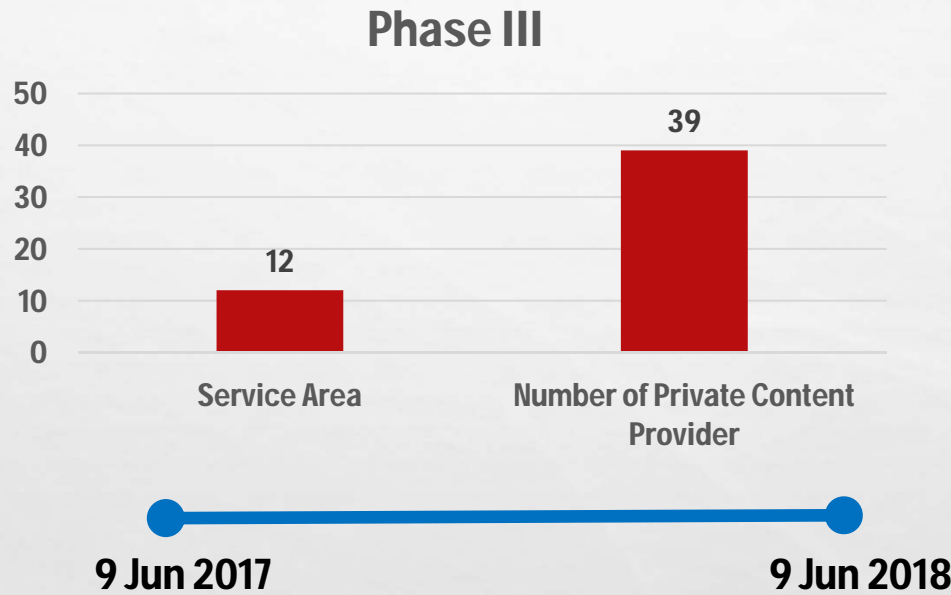
9 Dec 2016

9 Jun 2017





DIGITAL TV TRIAL PHASE III



Digital TV Trial Phase III (8 Juni 2017 – 8 Juni 2018)



DTTB TRIAL PROGRESS – PHASE III

On Air Content Provider on DTTB Trial :

❖ Service Area : 12

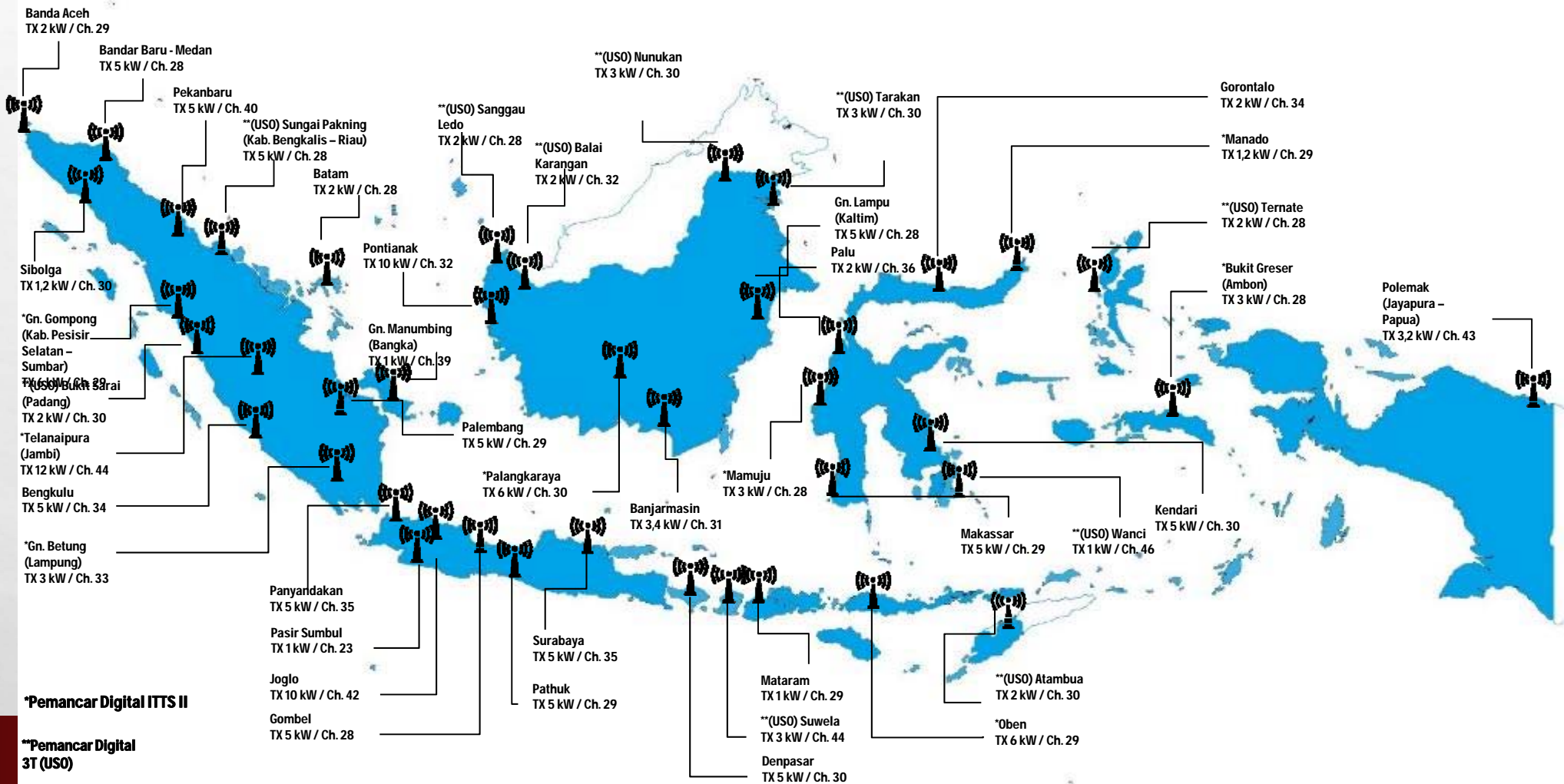
❖ Content Provider : 39

NO.	WILAYAH LAYANAN	PENYEDIA KONTEN	
		NAMA PT	CALL SIGN
1	JABODETABEK	1	PT. Nusantara Media Mandiri NTV
		2	PT. Inspira Televisi Indonesia INSPIRA
		3	PT. Cipta Megaswara Televisi KOMPAS TV
		4	PT. Gramedia Media Nusantara GRAMEDIA
		5	PT. Detik TV Indonesia CNN
		6	PT. TVMU Surya Utama TVMU
		7	PT. Net Mediatama Televisi NET
		8	PT. Media Inti Televisi Nusantara TEMPO TV
		9	PT. Duta Anugerah Indah DAAI
		10	PT. Badar Televisi Media Persada BADAR TV
		11	PT. Merah Putih Satu Visi OPUS TV
	TOTAL JAKARTA (11 PENYEDIA KONTEN)		
2	BANDUNG	12	PT. Nusantara Media Mandiri Parahyangan NTV
		13	PT. Inspira Televisi Indonesia INSPIRA
		14	PT. Detik TV Indonesia CNN
		15	PT. Bandung Persada Tivi Digital BP TV
		16	PT. Pasundan Utama Televisi KOMPAS
		17	PT. Televisi Anak Bandung NET TV
	TOTAL BANDUNG (6 PENYEDIA KONTEN)		
3	YOGYAKARTA	18	PT. Nusantara Media Mandiri Yogyakarta NTV
		19	PT. Mitra Televisi Yogyakarta NET TV
		20	PT. Inspira Media Televisi INSPIRA
		21	PT. Tegar TV Yogyakarta TEGAR TV
		22	PT. Terang Abadi Digital Satu Televisi TATV
	TOTAL YOGYAKARTA (5 PENYEDIA KONTEN)		
4	SURABAYA	23	PT. Nusantara Media Mandiri Yogyakarta NTV
		24	PT. Inspira Televisi Indonesia INSPIRA
		25	PT. Detik TV Indonesia CNN
		26	PT. Televisi Anak Surabaya NET TV
	TOTAL SURABAYA (4 PENYEDIA KONTEN)		

NO.	WILAYAH LAYANAN	PENYEDIA KONTEN	
		NAMA PT	CALL SIGN
5	SEMARANG	27	PT. Nusantara Media Mandiri Yogyakarta NTV
		28	PT. Inspira Televisi Indonesia INSPIRA
		29	PT. Industri Televisi Semarang NET TV
			TOTAL SEMARANG (3 PENYEDIA KONTEN)
6	DENPASAR	30	PT. Nusantara Media Mandiri Yogyakarta NTV
			TOTAL DENPASAR (1 PENYEDIA KONTEN)
7	MEDAN	31	PT. Nusantara Media Mandiri Tapanuli NTV
		32	PT. Inspira Medan Mulia INSPIRA
			TOTAL MEDAN (2 PENYEDIA KONTEN)
8	MAKASSAR	33	PT. Nusantara Media Mandiri NTV
		34	PT. Inspira Televisi Indonesia INSPIRA
			TOTAL MAKASSAR (2 PENYEDIA KONTEN)
9	PALEMBANG	35	PT. Nusantara Media Mandiri Tapanuli NTV
			TOTAL PALEMBANG (1 PENYEDIA KONTEN)
10	PEKANBARU	36	PT. Nusantara Media Mandiri Tapanuli NTV
			TOTAL PEKANBARU (1 PENYEDIA KONTEN)
11	BATAM	37	PT. Nusantara Media Mandiri Batam NTV
			TOTAL DENPASAR (1 PENYEDIA KONTEN)
12	BANJARMASIN	38	PT. Nusantara Media Mandiri NTV
		39	PT. Inspira Multi Talenta INSPIRA
			TOTAL BANJARMASIN (2 PENYEDIA KONTEN)



TVRI DIGITAL MUX INFRASTRUCTURE NETWORK (2017)



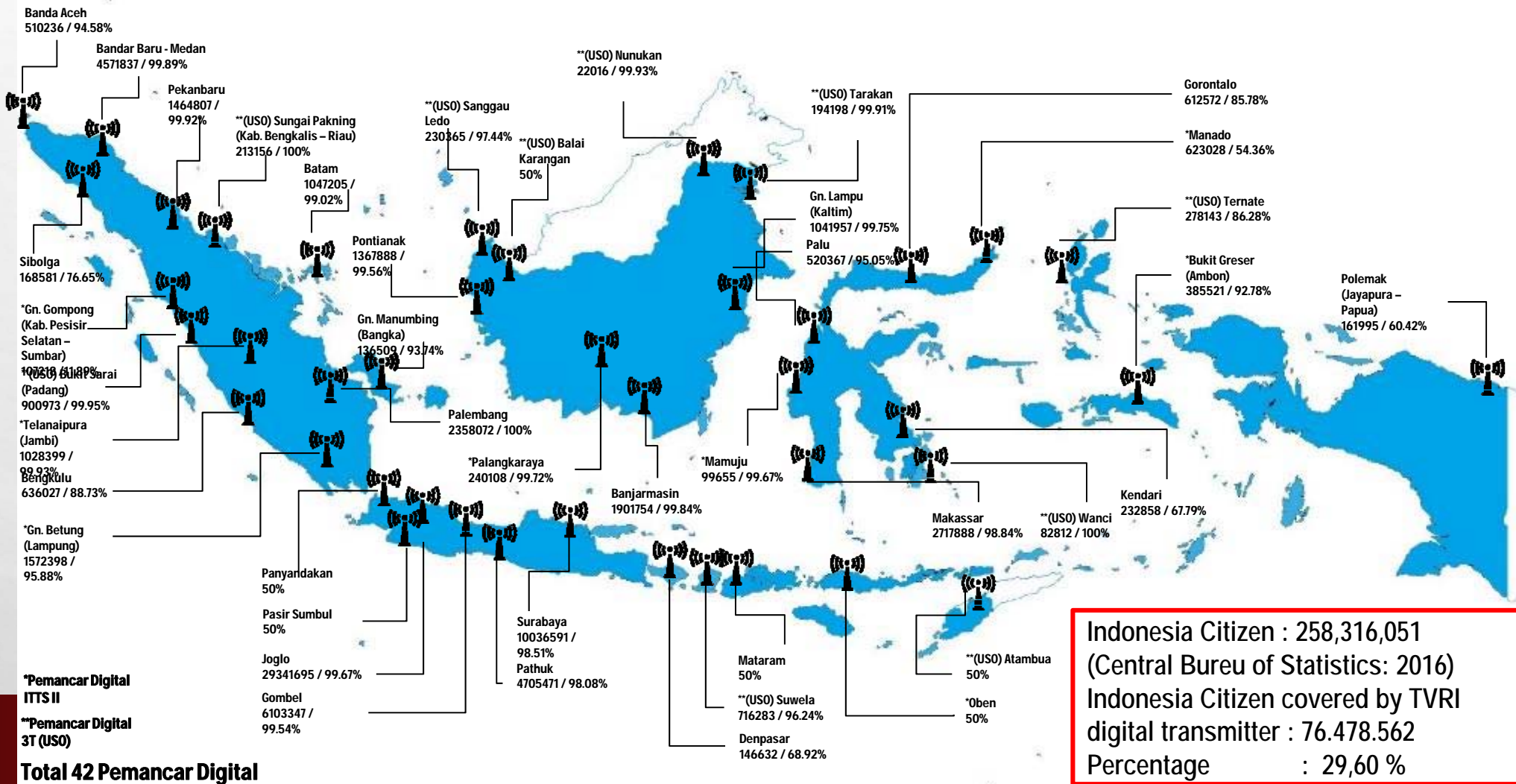
*Pemancar Digital ITTS II

**Pemancar Digital 3T (USO)

Total 42 Pemancar Digital



POPULATION COVERED BY TVRI DIGITAL MUX INFRASTRUCTURE NETWORK (2017)





THANK YOU
TERIMA KASIH 😊

