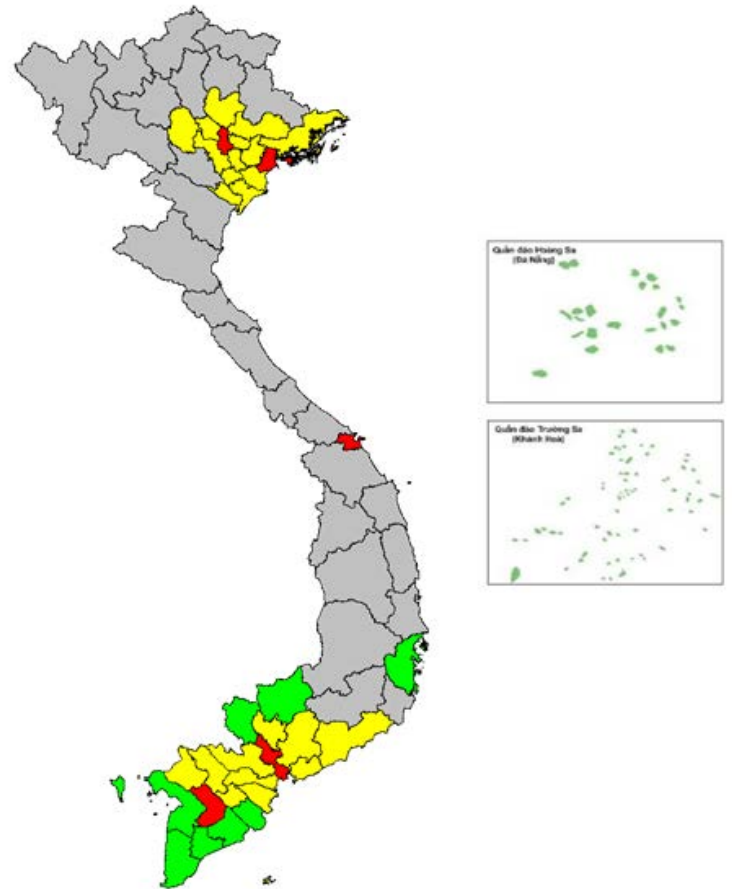


TV Digitalization in Vietnam

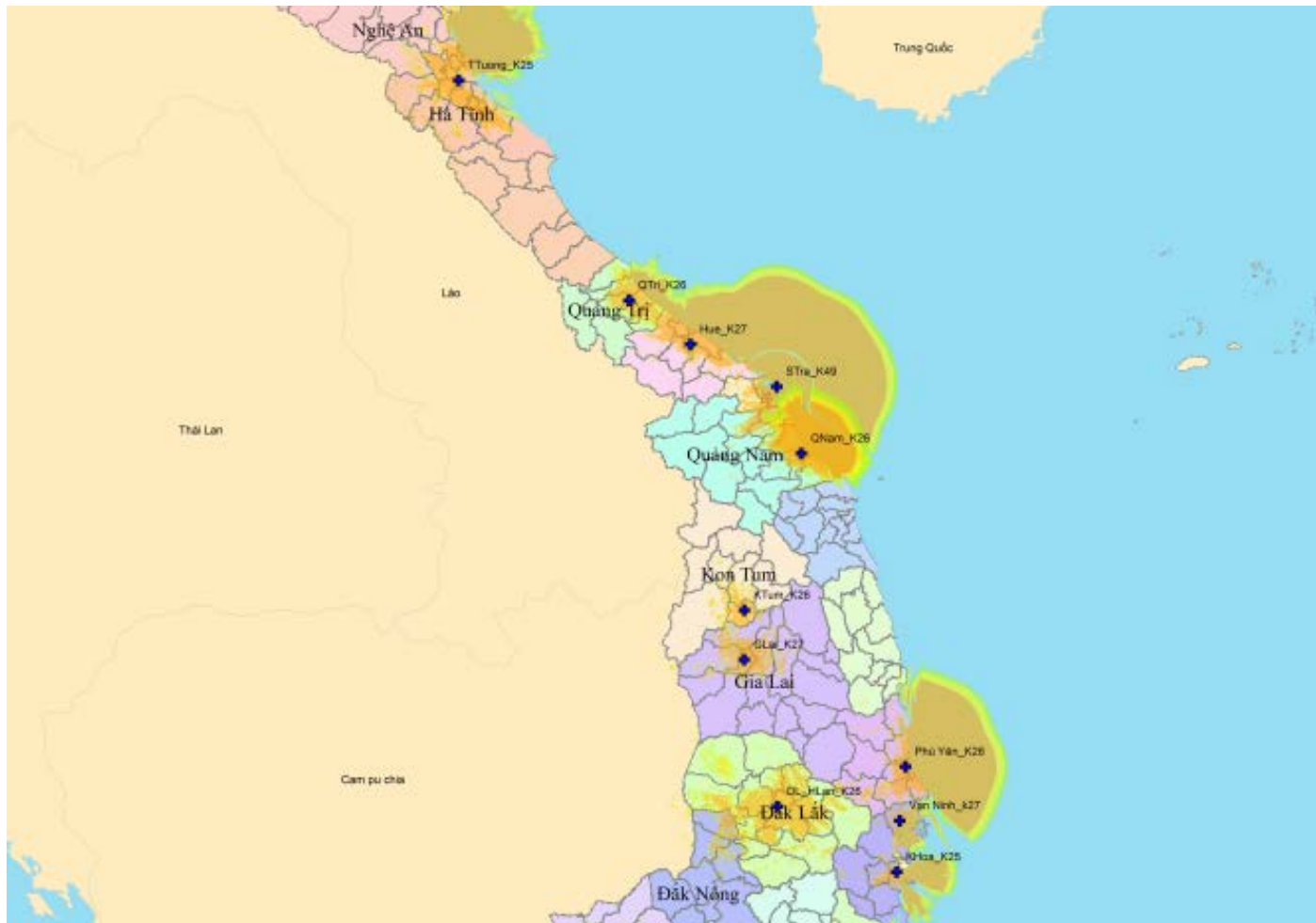
Current status

- **Switch off ATV in 34 cities and provinces** (5 major cities and 29 provinces)
- **65% population in coverage of DTV**
- **TV digitalization have been completed in delta areas**



TV Digitalization in Vietnam

Current status



TV Digitalization in Vietnam

Current status



TV Digitalization in Vietnam

Current status



Re-farming plan of the band 700 MHz

Channel re-arrangement and usage plan

2013, MIC promulgated Circular 26/2013/TT-BTTTT on TV channel usage plan in the band UHF (470-806) MHz by 2020



Ch	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
	A1				B1			B2			C1	C2	A2	C3	B3	C4	D Digital Dividend																									
	470 MHz																694 MHz				806 MHz																					

A1, A2 blocks are using by analogue TV, future DTV

C1, C2, C3, C4 blocks are planned for the regional DTV

B1, B2, B3 blocks are planned for nationwide DTV

D block is used during TV digitalization period

Single Frequency network: Delta Area

All TV stations operating in 700 MHz band will be **MOVED** to below 694 MHz or **STOPPED** by 2020

Re-farming plan of the band 700 MHz **Current status**

156 TV stations are operating in 700 MHz band

Broadcaster	Number of stations	ATV/DTV	New channel	Deadline
VTV	2	DTV	24	31/12/2018
VTC	2	DTV	29,30,31	31/12/2018
AVG	128	DTV (SFN)	42,43,44,45	31/12/2018
RTB (Regional Station)	1	DTV	47,48	31/12/2018
Local stations	23	ATV		

Study on 700 MHz band plan for IMT

IMT spectrum licensing

Principle

- Comply with band plans
- Neutrality in technology
- Balance between big operators

Licensing method

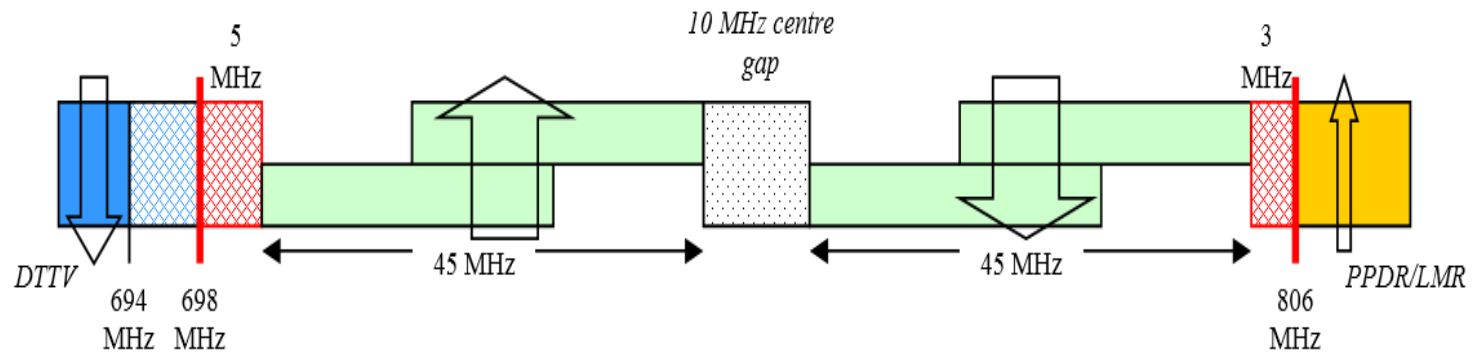
- Regulated in Law of Radio Frequency
- Auction or Beauty contest

Time

- Refarming is feasible
- Right time on the market

Study on 700 MHz band plan for IMT

Vietnam supports APT700 FDD plan



- APT700 FDD is becoming global spectrum harmonization for LTE
- Adopted in over 50 countries and territories, nearly 4 billion people*
- Adopted in most of Asean countries
- Strongly supported from industry

Gain benefit from large device market and global harmonization

Thank you very much!