



EETT

HELLENIC TELECOMMUNICATIONS & POST COMMISSION

Regional Seminar for Europe and CIS on Spectrum Management and Transition to Digital Terrestrial Television

Session 2: DTT Transition

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Spectrum Management
Hellenic Telecommunications & Post Commission (EETT)

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Component Authorities regarding DTT

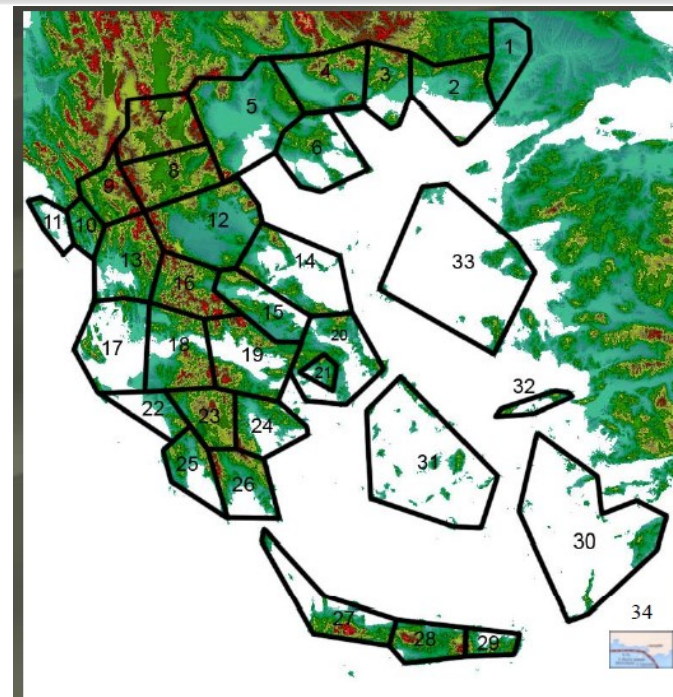
- Ministry of Infrastructure, Transport and Networks
 - ➔ Configuration of DTT frequency Map
 - ➔ National Public Broadcaster (ERT)
 - ➔ Ministerial Decision for Fee
 - ➔ Policy on Technical issues on Radio and TV Broadcasting
- EETT
 - ➔ Auction of MUX for DTT, Frequency Authorization
 - ➔ Enforcement
- Greek National Council for Radio and Television (NCRTV)
 - ➔ Content providers coverage
 - ➔ Number of content providers
- Ministry of Press
 - ➔ Audiovisual policy

Legislation

- Law 4070/2012 (basic telecommunication law)
 - ➔ EETT component authority for the DTT auction
- Law 4152/2013 for availability of DD at 1/11/2014
 - ➔ EU Derogation for 1/11/2014
- Law 4152/2013 for DTT and DD availability dates
- RSSP program of EU
- Common Ministerial Decision 41167/August 2014 for regional switch over
 - ➔ Five amendments
 - ➔ Gradual operation of 156 broadcasting sites while phasing out the corresponding analogue transmissions from 27/06/2014 to 29/12/2014

RRC 06 / National DTT Frequency Map

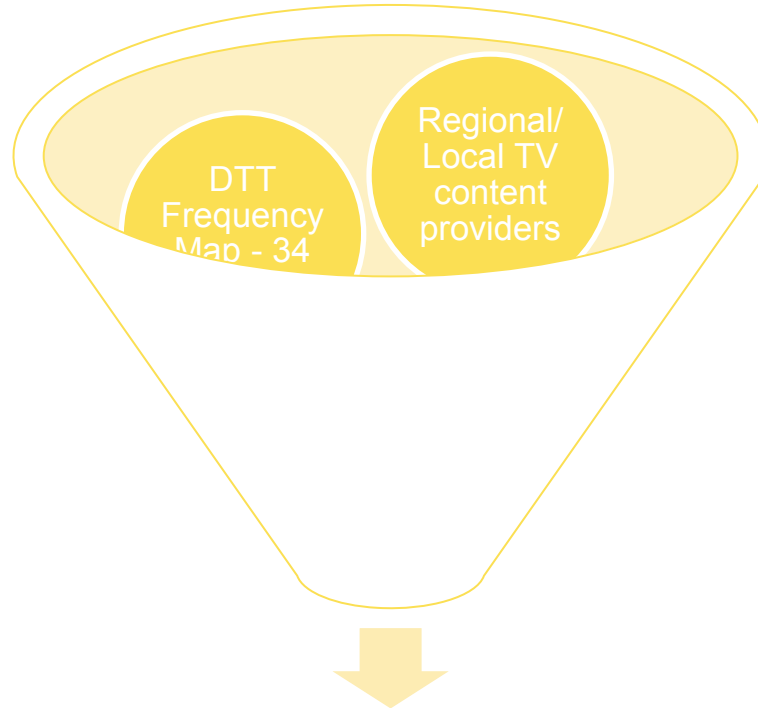
- Common Ministerial Decision 42800/5-10-2012 «Frequency Map of DTT»
- 156 Transmitter Sites
- 34 GE06 allotments
- 8-11 channels per each allotment
- Max EIRP per channel and Antenna Patterns per site
- 34 SFN networks and total coverage per allotment for 64 QAM, FEC 3/4, GI 1/8
- Digital Dividend I spectrum clear
- Population coverage 96.2 % for national DTT Network with forecast to use Gap Fillers with upper limit of 22 dBw within SFN
- Other National Restrictions



Allotment/SFN		Διατίθεται														
1	EVROS	25	32	35	46	47	50	51	54	56						
2	PLAKA	24	27	30	31	33	36	43	48							
3	THASSOS	22	23	37	39	41	44	47	51							
4	PAGGAIO	26	28	32	35	40	45	52	53							
5	THESSALONIKI	24	27	30	36	43	48	55	56							
6	XALKIDIKI	25	31	34	38	46	49	50	54							
7	FLORINA	23	26	32	35	40	44	47	52							

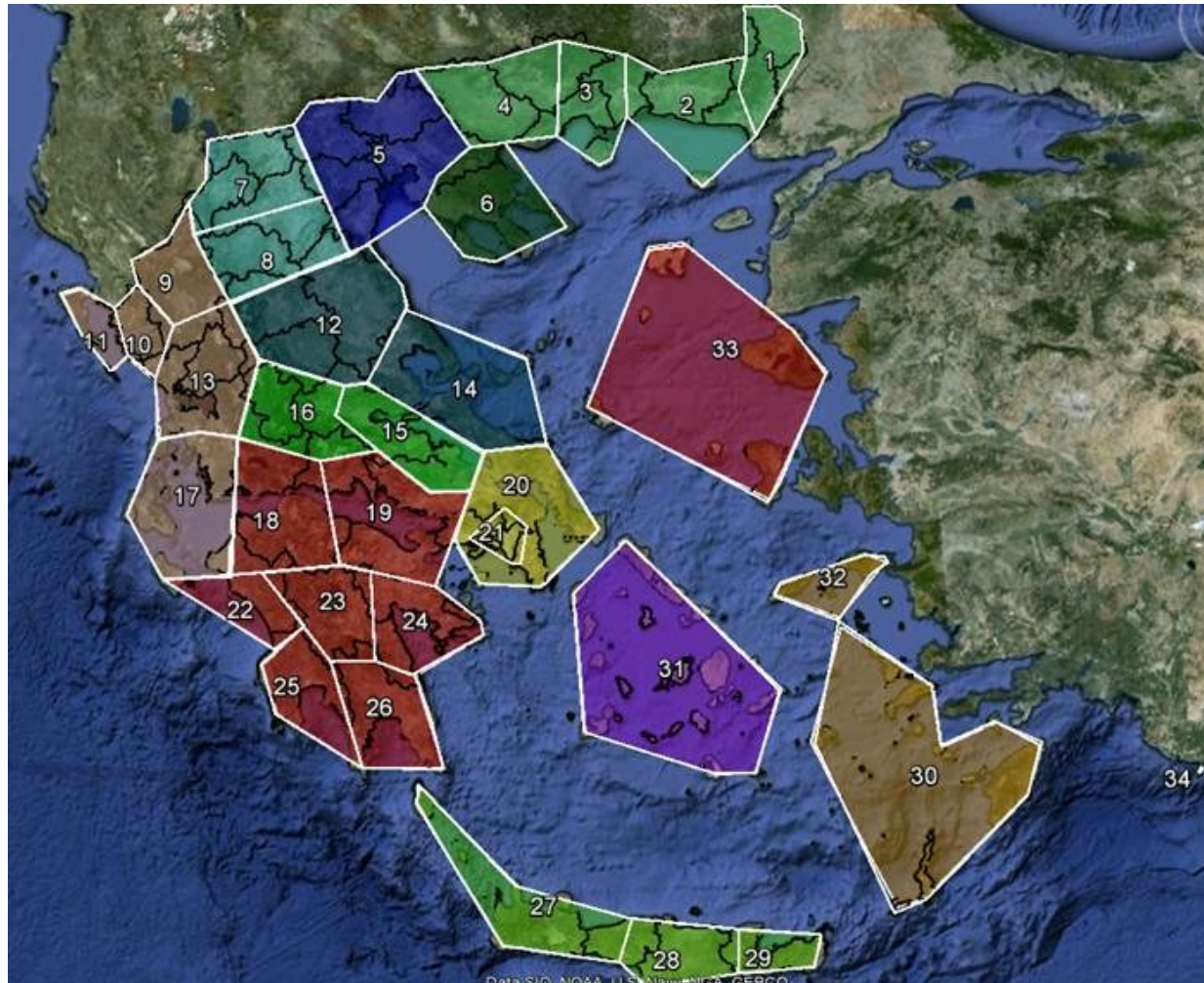
DTT Coverage needs

- National DTT Network for national coverage TV content
- Regional DTT Networks for regional/ local coverage of TV content
 - ➔ Demanding



13 Basic Regions

13 Regions



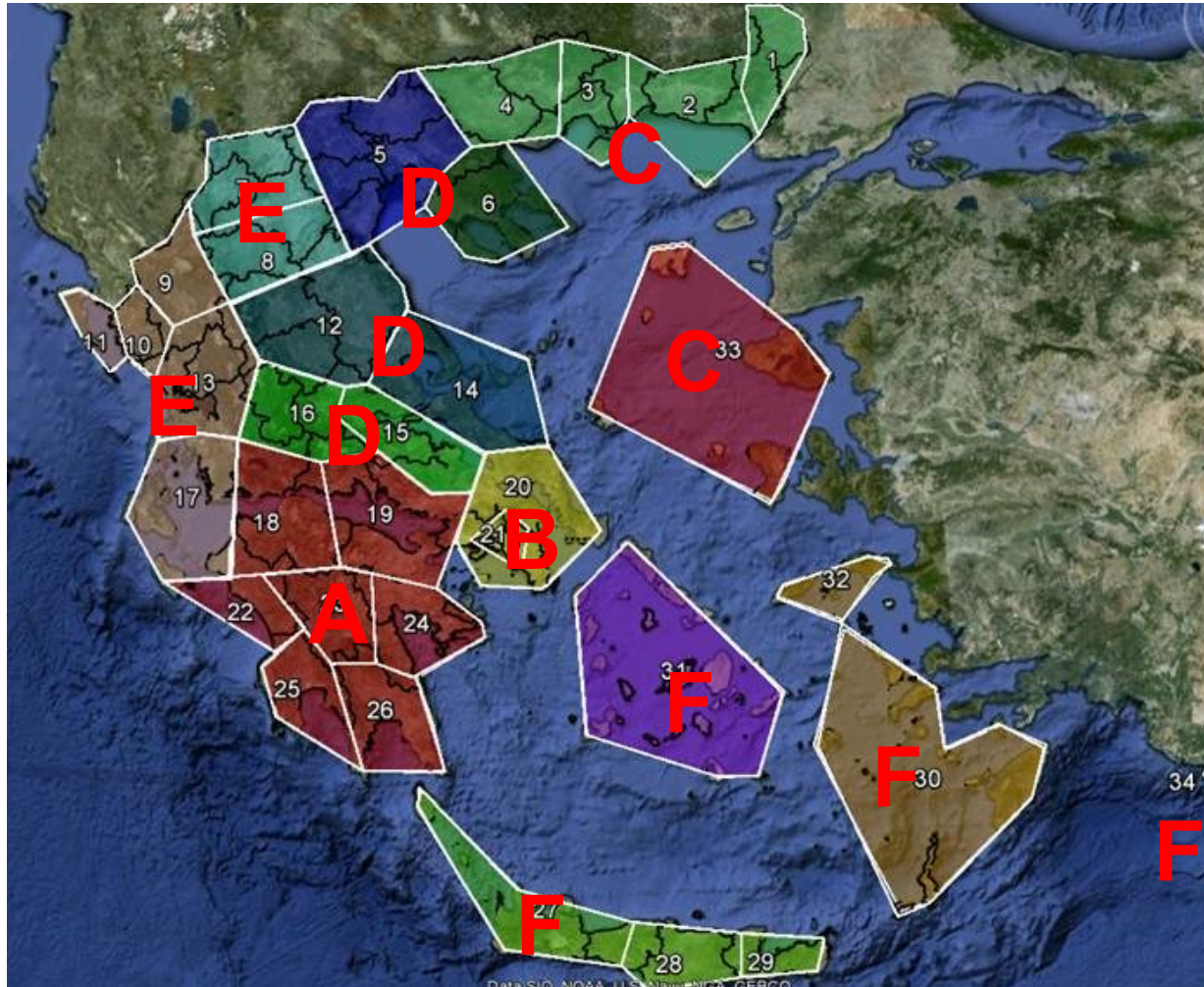
Public DTT Network

- ERT (carries national coverage public broadcaster TV content)
 - ➔ Two national MUX assigned by Common Ministerial Decision 15715/9-8-2013
 - ➔ To follow the DTT Frequency Map technical characteristics in 156 sites

Private DTT Network Provider

- DIGEA SA (carries private national coverage and private regional coverage TV content providers free to air)
 - ➔ Frequency authorization through auction
 - ➔ Four National MUX
 - ➔ One – to three Regional MUX for the 13 regions
 - ➔ All mux currently in DVB-T
 - Ministerial decision in case that the new technology changes the DTT receivers eg DVB-T2
 - Obligation to notify the users prior to the change

Regional Switch Over .. in 6 months



Future challenges

- Radio Spectrum Committee decision on 700 MHz is official
 - DD II in June 2017
 - Protection of DTT receivers (risk is increased)
- National decisions regarding DTT due to DD II
- Bilateral negotiations

EETT Annual Report 2014

- http://www.eett.gr/opencms/export/sites/default/EETT_EN/Publications/Proceedings/PDFs/2014.pdf