



Transition to Digital Terrestrial Television and Analogue Switch-Off

- Current Situation in Turkey -

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Outline



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- Transition and Switch-Off Schedule, Milestones
- Frequency Plan for the Digital Terrestrial Broadcasting
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Authorities of Turkey on Broadcasting Issues



Information and Communications Technologies Authority

- ICTA allocates frequency bands for all telecommunications services including BC services.
- ICTA is not charge of the detailed frequency planning of BC services. ICTA just allocates the overall related spectrum (i.e. 470-790 MHz) for BC services.
- ICTA is responsible for the notification and coordination procedures of BC services in ITU.

Authorities of Turkey on Broadcasting Issues



Radio and Television Supreme Council (RTUK)

<http://www.rtuk.org.tr/sayfalar/English.aspx>

- RTUK issues broadcasting permits and licences to applicants who have complied with the pre-requisites.
- Frequency assignments for BC services and inspection of BC services are carried out by RTUK.
- RTUK is responsible for the detailed frequency planning on the frequency bands allocated by ICTA.

Current Broadcasting Profile of Turkey

Area: 785 347 km^2

Population: 75 627 384

Analogue Terrestrial
Broadcasters:

- 22 National TV
- 14 Regional TV
- 184 Local TV



Current Broadcasting Profile of Turkey



TV Households: 18 million

- Satellite TV: 4 797 035 subscribers
 - Cable TV: 1 249 241 subscribers
 - IPTV: 155 738 subscribers
- (as of the date of 31.12.2012)



Results of Questionnaires by RTUK:

2009

Analog TV: **27.76%**
Satellite TV: 62.49%
Cable TV: 9.75%

2012

Analog TV: **16.06%**
Satellite TV: 66.76%
Cable TV: 17.18%



Transition and Switch-Off Schedule, Milestones



- Frequency Plan for the Digital Terrestrial Broadcasting through the 174-216 MHz and 470-790 MHz frequency bands has been completed by RTUK in 2013.
- Signal tests for the Digital Terrestrial Television have been conducted in Ankara (capital city) since 2013.
- Frequency tender process has not completed yet.
- Analog Switch-Off will be carried out region by region and it will be completed in March 2015.

Frequency Plan for the Digital Terrestrial Broadcasting



Frequency Plan for the DTB is a joint work of
and Bilkent University.



827 frequencies were allocated to 96 allotment areas.

11268 frequencies were assigned to 1399 emission points.

Frequency Plan for the Digital Terrestrial Broadcasting



96 allotment areas submitted to RRC-06

Signal Tests for the Digital Terrestrial Television Service



Signal tests are conducted by *Antenna Technical Services and Transmitter Installation Operator Co. Inc.* which is established by private media service providers to share a single transmitter installation for the DTT broadcasts of these service providers.

Remaining Part of the Switch-Off Schedule



- Frequency tender process has not completed yet.
- Analog Switch-Off will be completed in March 2015 according to the schedule announced by RTUK.
- As ICTA, we are responsible for the notification and coordination procedures of Digital Terrestrial Broadcasting Services in ITU.
- Therefore, we will make necessary notifications to ITU based on the frequency plan of RTUK.



Thank you for listening.

You can send an e-mail to ask any questions about broadcasting systems and the related regulations in Turkey.

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