

The logo for ANCOM, the National Authority for Management and Regulation in Communications of Romania, is displayed in a large, bold, grey sans-serif font. The letters are closely spaced, and the overall design is clean and professional. A red curved line is visible on the right side of the slide, partially framing the logo.

ANCOM

National Authority for Management and
Regulation in Communications of Romania

Spectrum Management and Transition to Digital Terrestrial Television Broadcasting

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www.ancom.org.ro

AGENDA

- 1. ANCOM**
- 2. Digital Terrestrial Television Broadcasting**

ANCOM

- **The National Authority for Management and Regulation in Communications (ANCOM) - independent institution that regulates the Romanian electronic communications sector**
- **Implements the national policies and strategies in the sector by elaborating and enforcing the secondary legislation**
- **Manages, at a national level, the limited resources in the field**



Digital Terrestrial Television Broadcasting

- In Romania, the full and effective transition to the digital television services must be completed by **17 June 2015**, according to the Geneva 2006 Agreement. Romania is part of the agreement and adhered to the strategy regarding analogue to digital terrestrial television transition and the national implementation of digital multimedia services.

- **Planning principles:**

The shapes of the allotments have been chosen taking into account the **coverage of existing analogue high power transmitters**, the geography and the administrative districts of Romania.

The Plan was made based on allotments due to the flexibility of allotment planning

Network type chosen: **SFN**

Digital Terrestrial Television Broadcasting

DTT existing pilot projects:

S.N. Radiocomunicatii

- **Bucharest:** ch. 54 and 59 with 2 synchronised DVB-T transmitters
TVR HD + other SD programs
- **Sibiu:** ch. 47 and 54

PRO TV

- **Bucharest:** ch. 30 (adjacent to analogue TV ch. 31), 3 DVB-T synchronised transmitters

Digital Terrestrial Television Broadcasting



The provisions are the following:

- ✓ Television system: **DVB-T2**
- ✓ Number of multiplexes: **5** (4 in the UHF band and 1 in the VHF band)
- ✓ **1 multiplex** in UHF for **public services** - free to air, coverage conditions:
 - 90% of the population
 - 80% of the territory
 - license valid until December 31, 2016
- ✓ **4 commercial** multiplexes without specific development requirements
- ✓ Analog television switch-off date: **June 17, 2015**
- ✓ The date of activation of the multiplex licenses: **June 17, 2015**
- ✓ **Without simulcast period**

Digital Terrestrial Television auction



March 2014 auction

Awarded:

- ✓ 3 national multiplexes to the National Broadcasting Company
- ✓ licence fee EUR 1,020,002
- ✓ **by 1st of May 2017** - at least **36 transmission stations** for each of the networks corresponding to these multiplexes commissioned, one in each allocation area

Digital Terrestrial Television auction



December 2014 auction

Awarded:

- ✓ **9 regional DTT multiplexes**
- ✓ Regal - 1 regional multiplex (**Râmnicu Vâlcea**) for EUR 8,010,
- ✓ Cargo Sped, which was awarded 1 regional multiplex (**Sibiu**) for EUR 8,001,
- ✓ Radio M Plus, which obtained 1 regional multiplex (**Iași**), for EUR 10,000
- ✓ 2K Telecom, which was awarded 5 regional multiplexes (4 in **Bucharest** and one in **Ploiești**) for a licence fee of EUR 52,000
- ✓ Digital Video Broadcast, which won 1 regional multiplex (**Satu Mare**), for EUR 8,000.
- ✓ **1 May 2017** - launch into operation at least one transmitter in each assignment area

Digital Terrestrial Television auction



March 2015 – auction in progress

The following multiplexes will be auctioned out:

- ✓ **two national** digital television multiplexes, of which 1 (one) in UHF and 1 (one) in VHF;
- ✓ **31 regional** multiplexes and **19 local** multiplexes;



Thank you for your attention!

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