

Digital Radio in France

The logo for RTL features the letters 'RTL' in a bold, white, sans-serif font. The text is centered within a series of three concentric, light red circles that create a ripple effect. The entire logo is set against a solid red background.

RTL

Leading French Radio

Charles-Emmanuel Bon - RTL
Xavier Nouaille - Radio France





Overview of Digital Radio Deployment in France

- January 2008: the French government selects T-DMB for Digital Radio
 - Band III and L Band
 - Efficient coding with **HE-AAC V2**
 - Visual radio using the T-DMB capacity
 - Interactive services using BIFS

- June 2008: CSA (regulatory body) launch call for tender on digital licenses

- GRN (broadcasters), SIMAVELEC and TDF write technical recommendations
 - Technical points needed for DMB roll-out
 - Targeted at to receiver manufacturers

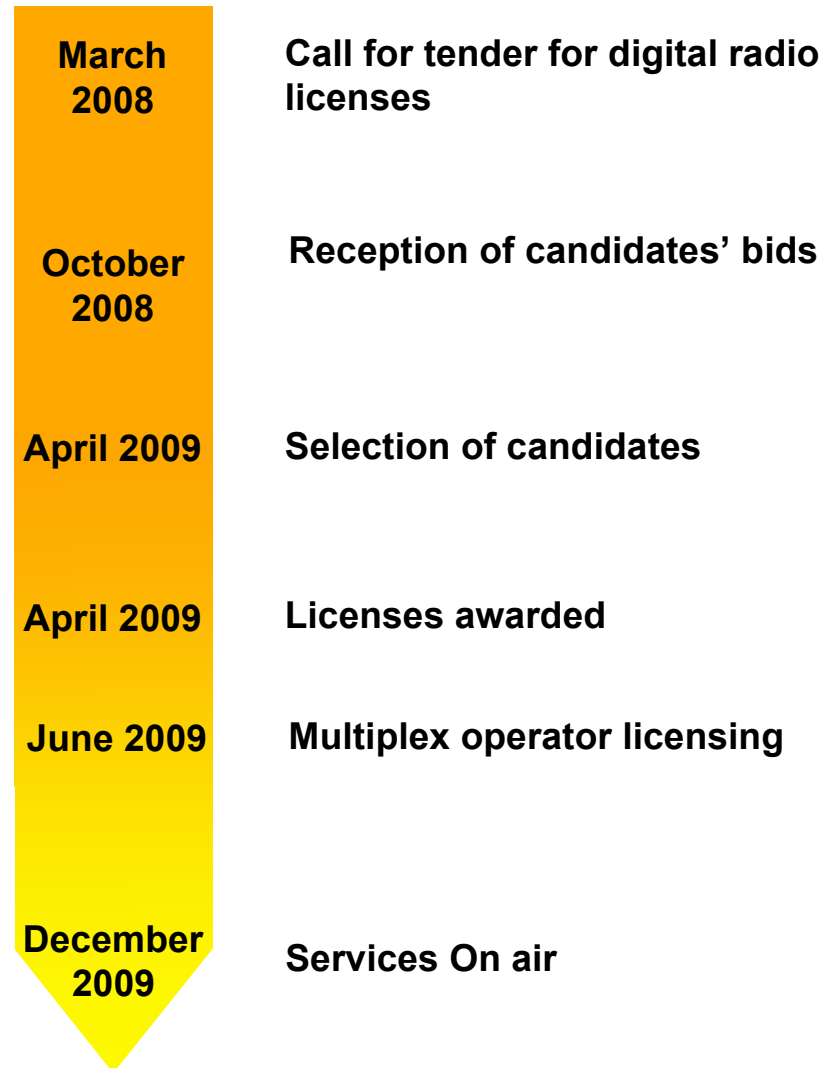
- December 2008: government confirms the full use of band III for digital radio
 - Band III Spectrum freed by analogue TV will be dedicated to terrestrial digital radio services

- Publication of a roll-out plan in June 2009
 - The regulation authority (CSA) will publish in June 2009 a frequency plan and deployment schedule, taking into account the entire Band III spectrum

- January 2009 : French audiovisual law sets out 3 steps to integrate digital radio into **all radio receivers**:
 - 1st September 2010 – Radio receivers with multimedia display will with the exception of in-car terminals.
 - 1st September 2012 – All new radio receivers with the exception of in-car terminals.
 - 1st September 2013 – All radio receivers will have to be digital.

Licenses overview

- 19 areas, 30% population coverage
- Band III only
- Average of 9 radios per multiplex
- 4 to 7 multiplex in each area Priority given to existing FM stations
- A separate process will be initiated for stand-alone data services (128 kb/s)
- Second phase scheduled for 2010 - 50% population coverage
- Full national coverage by 2011-2012



- One standard: DMB Radio as defined by TS 102 428
- Success factors in France: not quantity of radio stations, but advanced services and better sound quality
 - Visual radio is key: **color display** is absolutely necessary
 - Interactive services are integral part of our vision for digital radio: **BIFS is an essential requirement**
 - Optional surround sound (MPEG Surround) for **relevant receivers** (e.g. cars)
- As a result French market will require profile 2 & 3 receivers

- WorldDMB has updated the DMB in November 2008 specification to allow for the implementation of DMB Radio (TS 102 428 v1.2.1)
 - DMB Radio definition
 - Support for DLS
 - FM/DMB switching (16bit Service Identifier)
- SIMAVELEC, GRN and TDF have published an updated whitepaper, detailing implementation guidelines for the French market
- The white paper is available at http://www.simavelec.fr/dossiers_traites.htm



Receivers for Christmas 2009?

