



# Online frequency portal of the Netherlands

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# Online Frequency Portal

Pending Dutch law, to be implemented by the 1<sup>st</sup> of January 2010:

*“The Minister of Economic Affairs shall keep a frequency register which provides information on how much frequency space is available.”*



# History

- First form of register was incorporated in law in 1998
- Solution: specific queries by request
- 2005: Policy for more openness and transparency
- E-Government
- 2007: spreadsheet with a selection of license data online
- 2007: European Frequency Information System (EFIS)
- Pending new law, to be implemented January 1<sup>st</sup> 2010
- 2010: A new online and interactive Frequency Portal



# Contents of the Online Frequency Portal

- For frequency bands that are directly assigned, auctioned off, or assigned by beauty contest: the license data and conditions of each license;
- For FCFS\* -frequency bands: the number of granted licenses and the general terms and conditions for each license category.

\*(first come, first served)



# Features of the Frequency Portal

- User interface with graphical approach
- Zooming, navigation and clickable spectrum map
- Selection fields for wanted frequency band
- Search keywords for specific licenses or - holders
- Presentation of:
  - Radio Interface Specifications
  - License categories
  - General terms & conditions of license categories
  - License data (Rights of Use)
  - Licenses (only mobile networks, broadcasting)



# Core value of the Frequency Portal

To combine information on frequency bands and licenses and present it on the web.

addition of monitoring data and geographical data in the future



# Front view

The screenshot displays the National Frequency Register (NFR) interface. At the top, a spectrum chart shows frequency bands from 8.5 to 17.3 GHz, with various colored blocks representing different services. Below the chart, the title 'Nationaal Frequentieregister' is followed by search filters for 'Frequentie ondergrens' (87.5 MHz) and 'Frequentie bovengrens' (108 MHz). Navigation buttons include 'Home', 'Geharmoniseerde normen', 'Spectrumkaart', and 'Notified Body'. A table below provides details for the selected frequency range.

**Nationaal Frequentieregister**

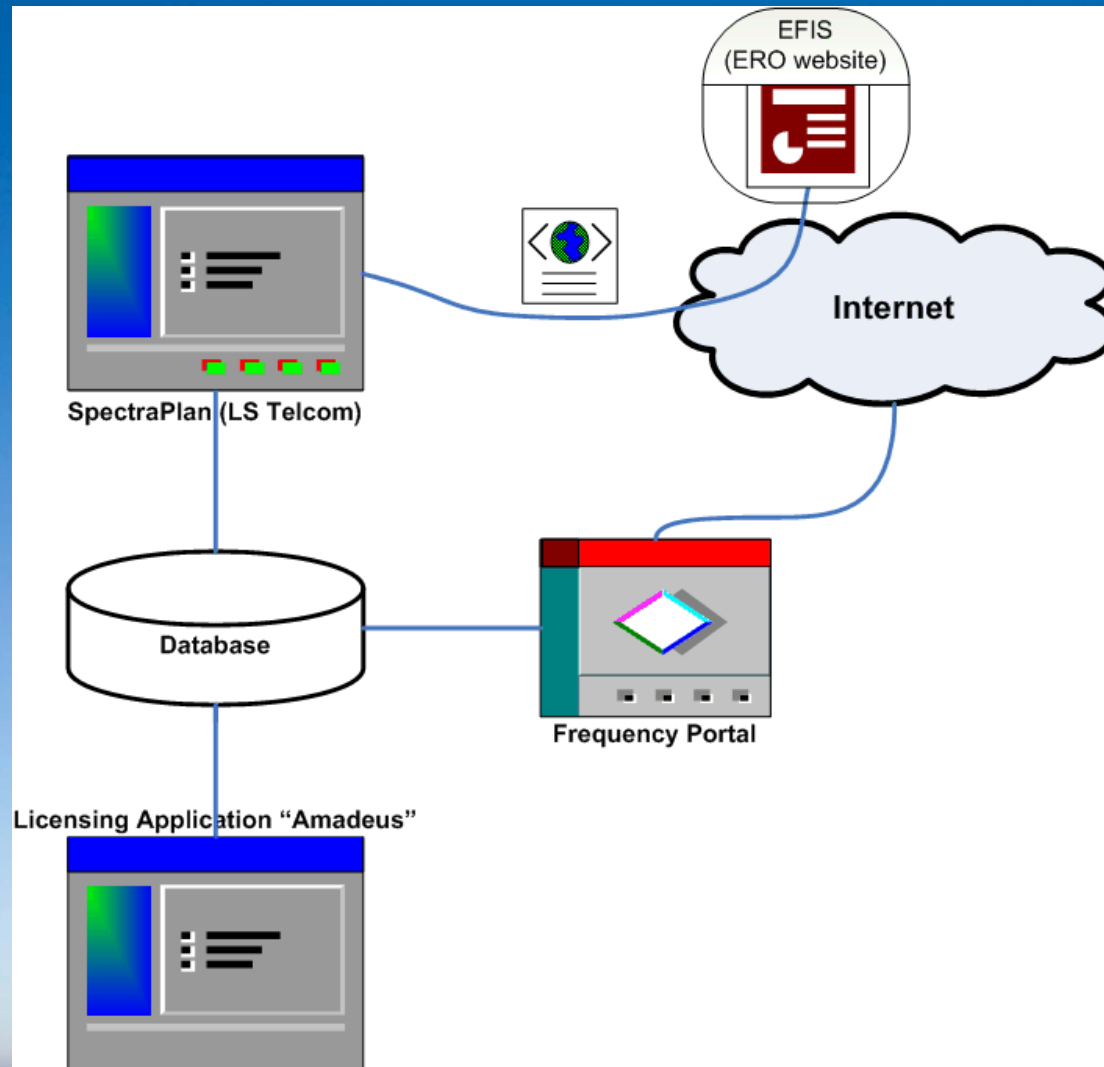
Frequentie ondergrens:  MHz

Frequentie bovengrens:  MHz

Nationaal Frequentieregister, versie 15-05-2009

Ondergrens	Bovengrens	Toepassing	Vergunning-regime	Vermogen	Kanaal-spatiering	Duty-cycle	Bezetting
<a href="#">9 kHz</a>	1.6 GHz	Ultra Wide Band	Nee ⓘ	ⓘ			
<a href="#">84 MHz</a>	87.5 MHz	Landmobiel	Ja	1-15 W e.r.p.	12,5/20/25 kHz		
<a href="#">87.5 MHz</a>	108 MHz	Draadloze audio	Nee	50 nW e.r.p.	200 kHz		
<a href="#">87.5 MHz</a>	108 MHz	Omroep	Ja	<4 MW	100 kHz		
<a href="#">108 MHz</a>	117.975 MHz	Luchtvaart radionavigatie	Ja				

# Blueprint /architecture

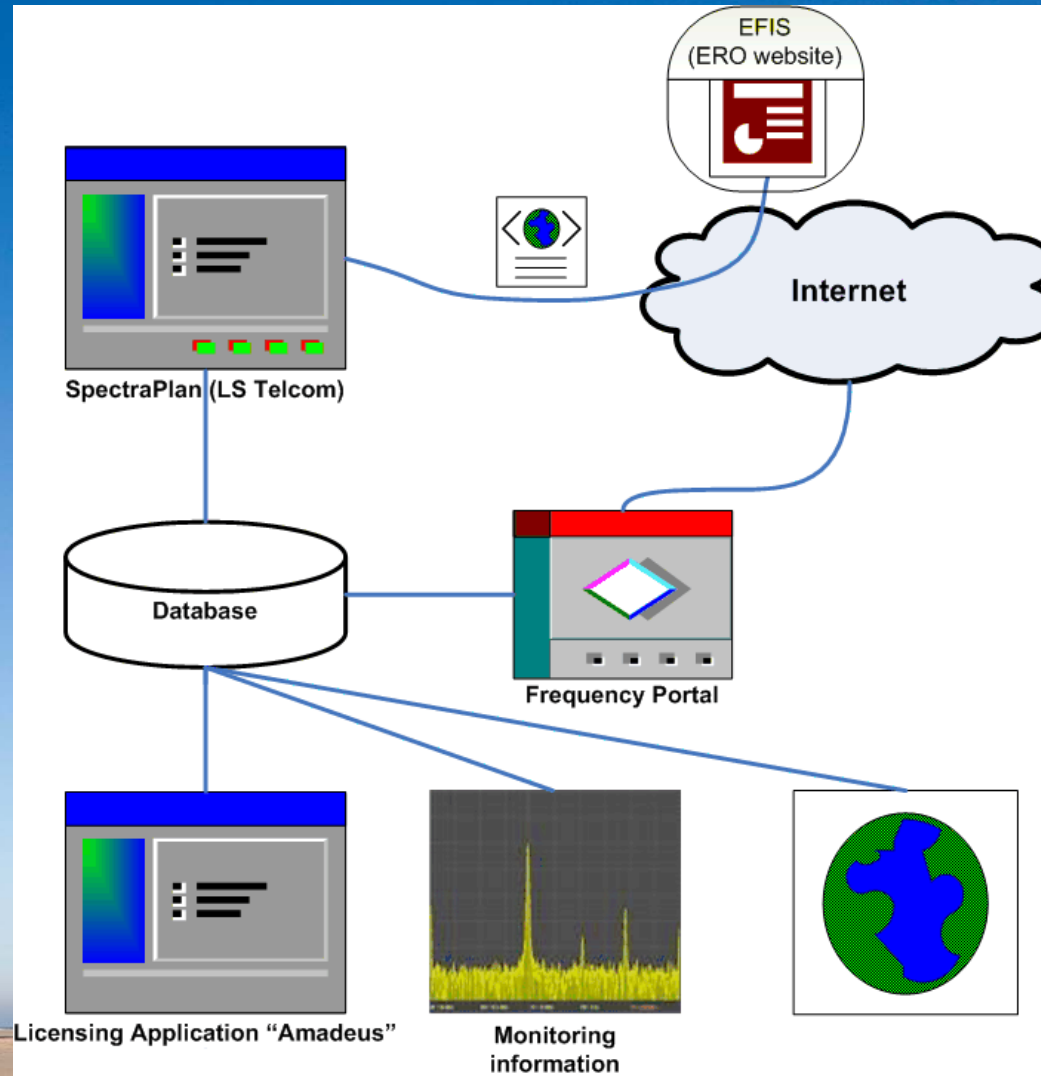


# Project planning

- Design: July
- Software development: September – October
- Testing & implementation: November
- Up and running: December



# Future



Questions?

