

Spectrum for Digital Radio A Programme Makers's Point of View

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Frequency Planning Department



Content

- some BC provide several programmes, others only one
- national content vs regional or local content
- free-to-air content
- future content, multi-media, interactivity



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- international, national or regional coverage for PSBs
- populated areas, traffic routes, train stations, airports, etc.
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 - reception mode for different areas



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Service Quality

- given location probability at a given time percentage
 - different data rates for different radio services



Distribution

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- access to distribution platforms should not be barred by gate keepers subject to non-broadcasting interests
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Strategy

- audio broadcasting brands need to be safeguarded
- audio broadcasting content accessible where customers are
- terrestrial platform required for linear programme
- truely interactive services need to be offered
- seamless fusion of terrestrial and Internet distribution



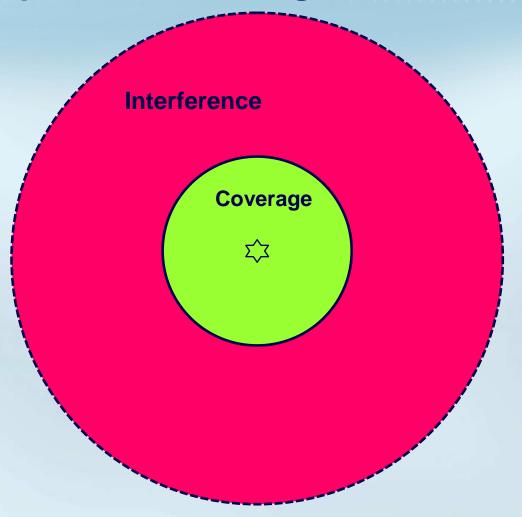
Terrestrial Platform Required for Linear Programme

means

Spectrum has to be available

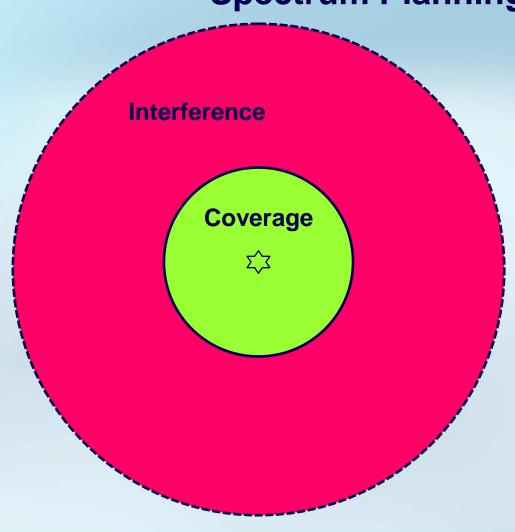


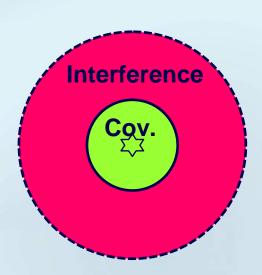
Spectrum Planning in a Nutshell





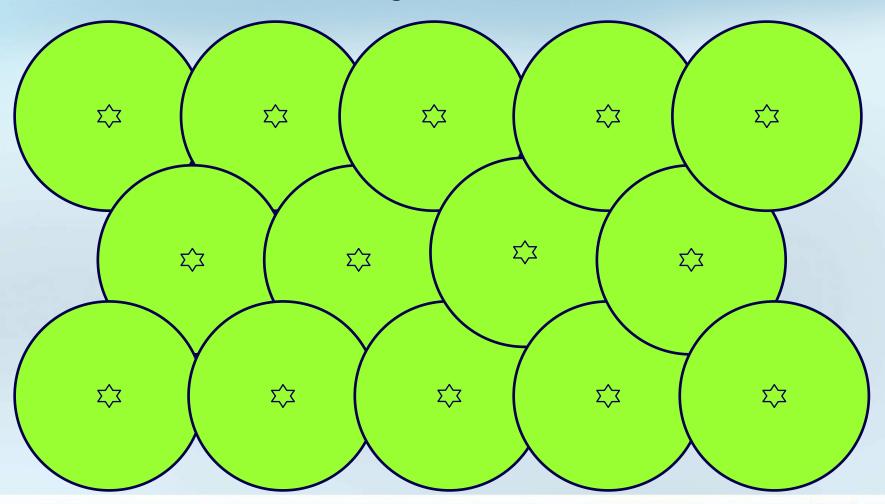
Spectrum Planning in a Nutshell





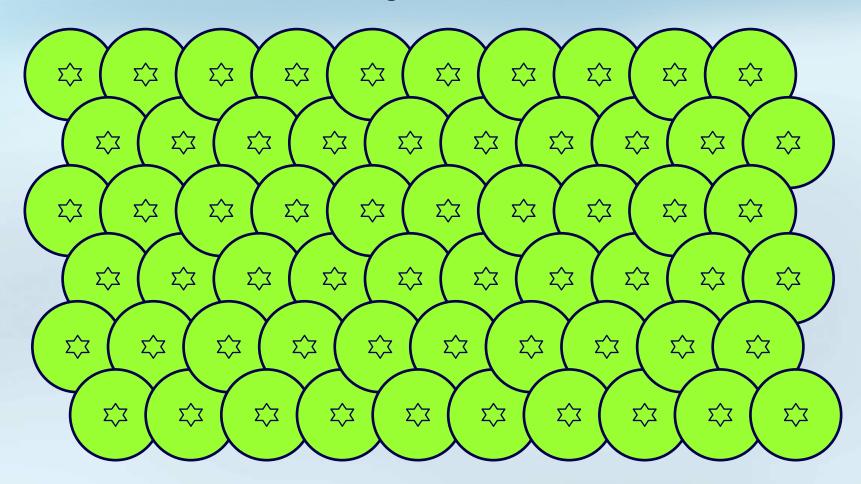


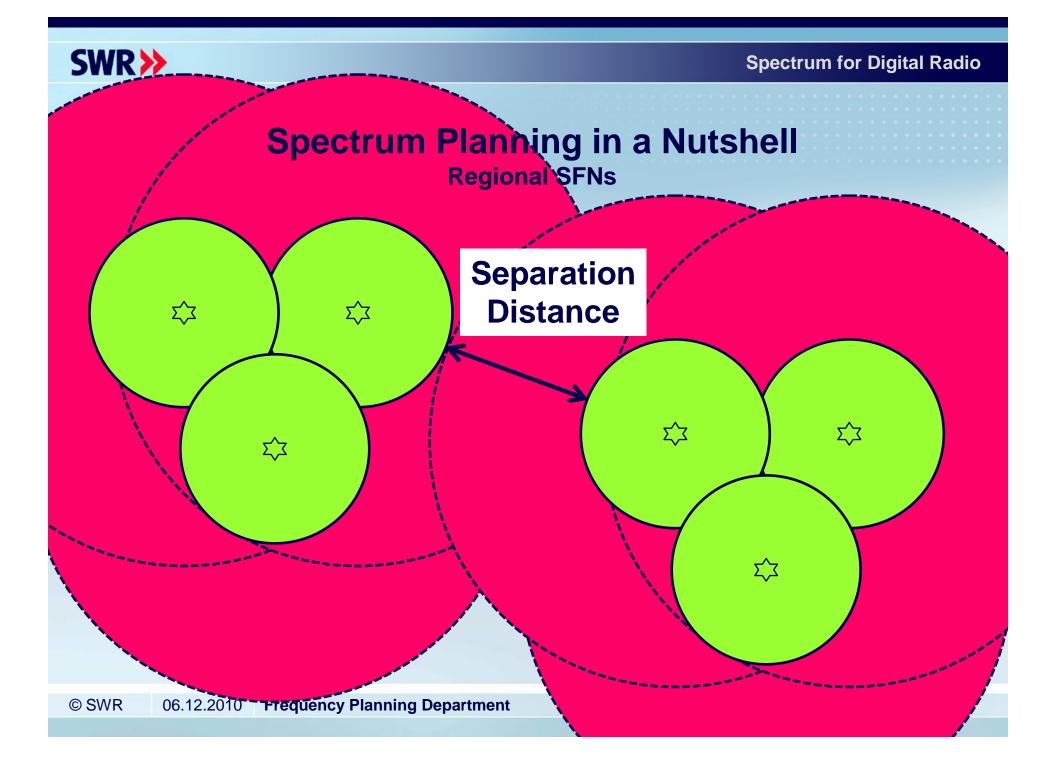
Spectrum Planning in a Nutshell Large Area SFN





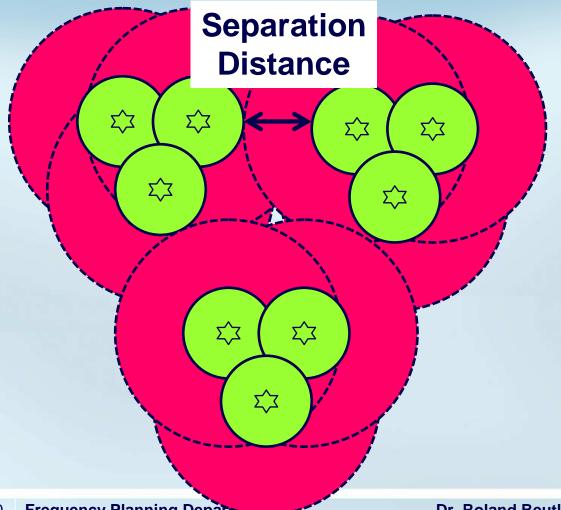
Spectrum Planning in a Nutshell Large Area SFN







Spectrum Planning in a Nutshell Regional SFNs



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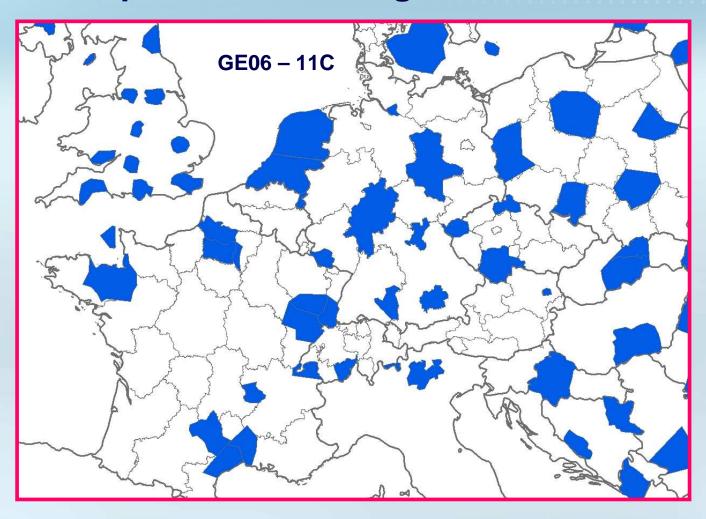
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Frequency Planning Depart

Dr. Roland Beutler

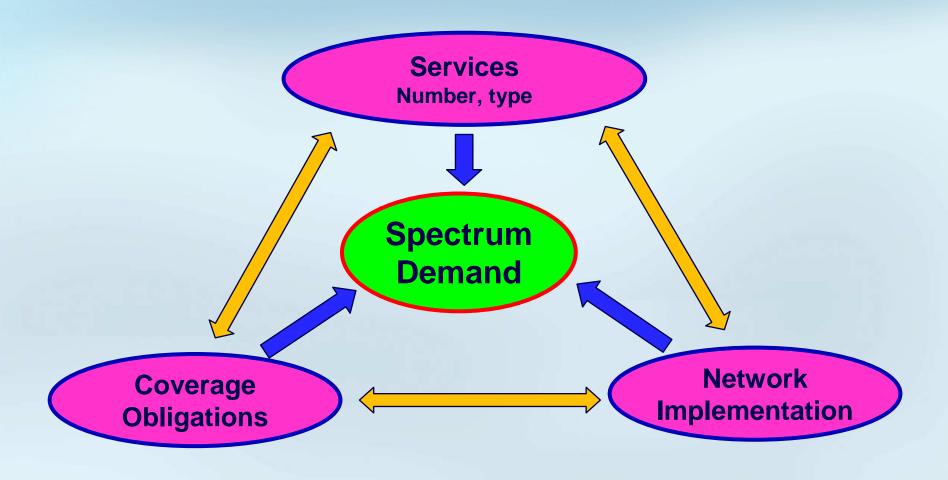


Spectrum Planning in a Nutshell





Spectrum Planning in a Nutshell





Digital Radio offers new Opportunities for Broadcasters

- Eureka 147 family is an established standard
- more programmes, meet coverage requirements



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Latest Developments

- Car industry on the way to include DAB radios
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- standardization
- spectrum raster



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L-Band for terrestrial Multi-Media Delivery

- MA02revCo07 to be kept in place
- employ envelope concept



Pressure on UHF spectrum

- look at broadcasting spectrum as a whole



Thank you for your attention!