



SDR in Terrestrial Communications

Visions, Applications & Challenges

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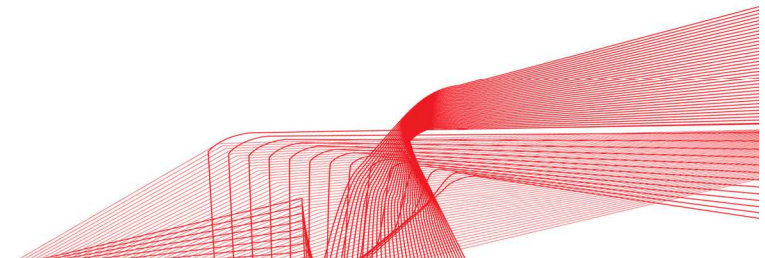




What is a Software Defined Radio?

“A radio in which the RF parameters including, but not limited to, frequency range, modulation type, or output power can be set or altered by software, and/or the technique by which this is achieved.” (ITU-R WP5A)

⇒ *SDR is implementation technique applicable to many technologies and standards*



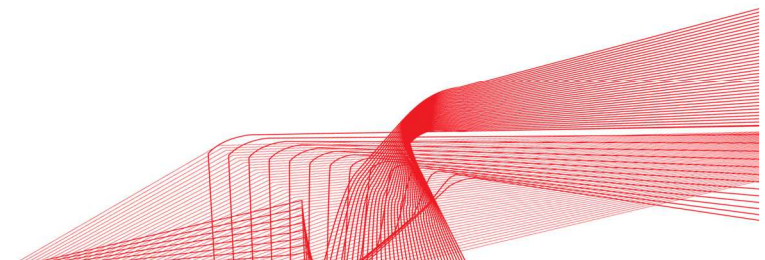


The back-ground for this seminar:

- To maintain focus on national and global activities on Software Defined Radio
 - Center for Software Defined Radio (www.csdr.dk) is one example

- SDR has been a hot choice for implementing military and civilian radio systems since the beginning of the 1990th.

- To highlight SDR and its potential with the upcoming technology neutral spectrum licensees.



Program for the day



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- **13:20 SDR – Block diagram description of functional entities**
John Aasted Sørensen, Assistant Professor, University College Copenhagen
- **13:50 Coffee Break**
- **14:05 Regularity Aspects of SDR and Cognitive Radio Usage**
Robert Lindgaard, IT & Telestyrelsen
- **14:35 A vendor application: development and expectations for SDR applied in Mobile BTS**
Zhongping Zhang, Senior Marketing Consultant, ZTE
- **15:05 Coffee Break**
- **15:25 An operator's view on the new telecom legislation**
Henrik Olsen, Strategy Manager, TDC
- **15:45 ETSI Standardisation Activities in the field of SDR**
Dr. Peter Olanders, Ericsson, BU Networks
- **16:25-16:40 Wrap Up and Closing**

