5G full Steam Ahead: Worldwide Initiatives, Technologies and Roadmap

Description: This report provides its readers with the state of the art regarding the 5G project:
- An overview and summary of the main international 5G initiatives
- The main criteria 5G should fulfill (e.g. reduced latency, lower costs, adaptive network technology, ...) and for what reasons
- Needed evolution of RAN and Core network
- Spectral issues (beyond 6GHz)

It then also draws a roadmap when, where and how 5G networks will be first deployed.

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1. 5G initiatives
   - Major 5G initiatives

2. 5G technologies
   - What will 5G be about?
   - Behind the principles, technologies are under study
   - 5G will be about harnessing all frequency ranges
   - Candidate bands
   - A difficult harmonisation of spectrum usage
   - A new network architecture

3. 5G roadmap
   - 5G roadmap

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