Aviation's Spectrum in a Brave New World

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Aviation and Spectrum

- → Priority safe, efficient operations
- **→** Spectrum used for communications, navigation and surveillance
- **→** Public service "safety of life"
- **→** Integrity of systems depends on non-interference
- **→** Worldwide compatibility



What Makes Aviation Different?



- **→** "Safety of life" means regulated industry
- **→** Strict certification/safety standards
- **→** Long implementation process for new technologies
- **→** Restricted competition
- **→ Intl obligations under ICAO** and ITU Radio Regulations

Spectrum Trading (Band Bartering)

→ Must define bands, tenure, geoboundaries and in and out of band emission constraints

→ Could increase market efficiency and innovation

→ But could create cost and control chaos

Speculating with Our Spectrum?

→ Public service - new approaches such as trading not currently planned for aeronautical bands

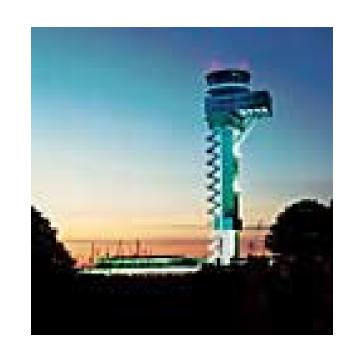


But the future lasts a long time

What can Aviation do?

→ Use our spectrum as efficiently as possible

→ Agenda Item 1.6 for WRC 07



Thank you from all of us

