

Aviation's Spectrum in a Brave New World

Barbara D'Amato
Project Manager



ITU Workshop on Radio Spectrum Management
For a Converging World
17 February 2004

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, geo-boundaries 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**

