

CNS/ATM Technologies and Safety



Federal Aviation
Administration

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By:

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Remote Air Traffic Services

- **Potential to enhance safety and efficiencies through the introduction of remotely provided ATS**
- **Multiple models:**
 - ATCOs operating multiple aerodromes from a single remote tower center
 - 1 ATCO = 1 aerodrome *OR*
 - 1 ATCO = multiple aerodromes



Space Based Surveillance

2015 RVSM Vertical Collision Risk (fatal accidents per flight hour)

16.4×10^{-9}

North Atlantic Oceanic Traffic

- Non-Radar Surveillance
- Indirect Communication

1.15×10^{-9}

U.S. Domestic Traffic

- Radar Surveillance
- Direct Communication

Why should we Harmonize?

