Captain Murray Warfield
General Manager Regulatory & Industry Affairs
QANTAS Airways Ltd



- World situation for airlines
  - Difficult:
- Security,
- » Fuel,
- » LCCs,
- » Non-regulated charges
- Technology but no rules



#### Safety:

- Technology linked to Safety
- Regulations to allow use of technology
- Oversight of 3rd Party Providers
- Mature Safety Culture
  - Self reporting
  - No blame
  - Management to respond



- Safety
- Use of Technology
  - Improves Safety
  - Benefits to the equipped.
  - Ensure equipment suits the needs.



- Safety
- Use of Technology
- Harmonised ATM procedures
  - Longitudinal separation
  - Communication
    - No HF
    - SATVOICE
    - Direct pilot to controller
  - Surveillance
    - Use radar effectively



- Safety
- Use of Technology
- Harmonised ATM procedures
- Pricing predictability
  - Unsustainable: Traffic down = charges up
  - Require longer term pricing agreement
  - Consult with customers

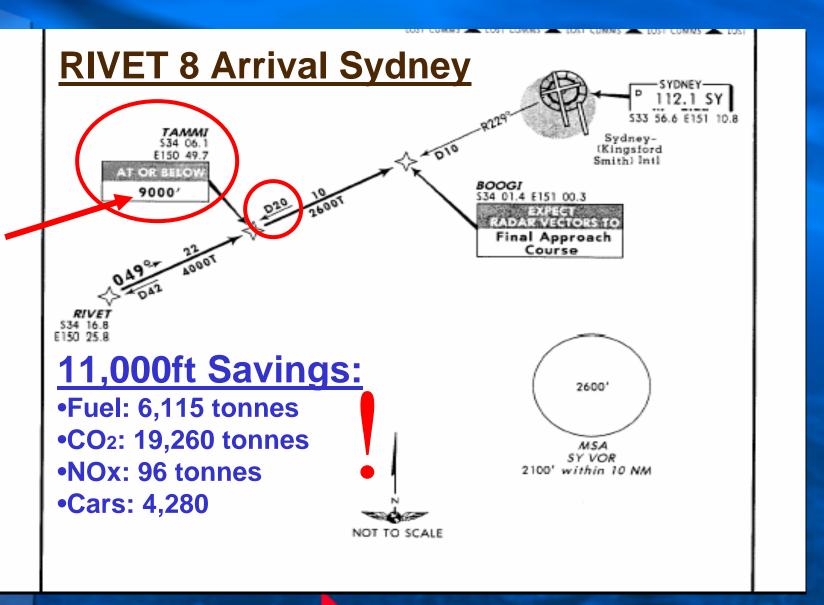


- Safety
- Use of Technology
- Harmonised ATM procedures
- Pricing predictability
- Efficient flightpaths
  - 1 minute = 8 miles = \$1 M per annum
  - UPR Trans Pacific 25 minutes saving
  - RVSM/RNP optimum flight profiles

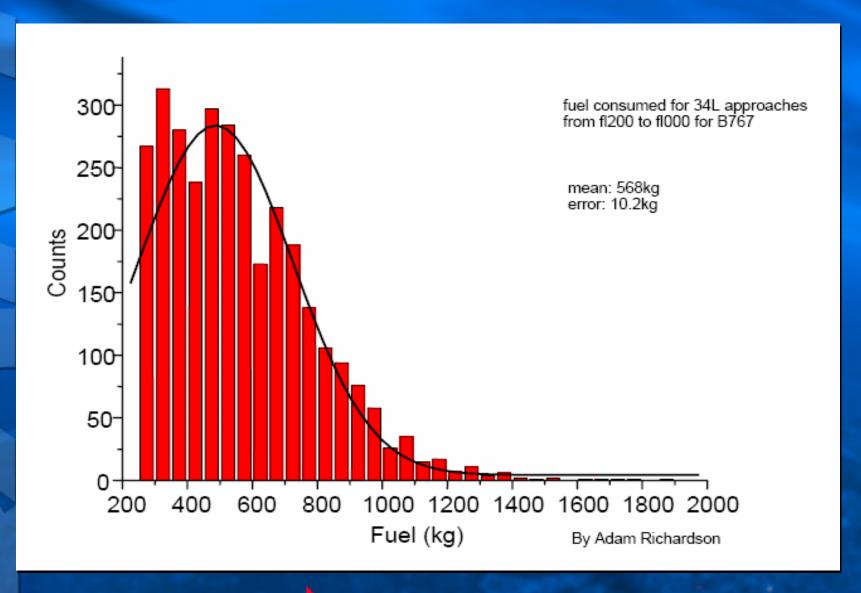


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- Efficient flightpaths
- Terminal Area Procedures











- Safety
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- Terminal Area Procedures
- AIS Data Integrity



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Questions .....



