



ATNS ADS/CPDLC

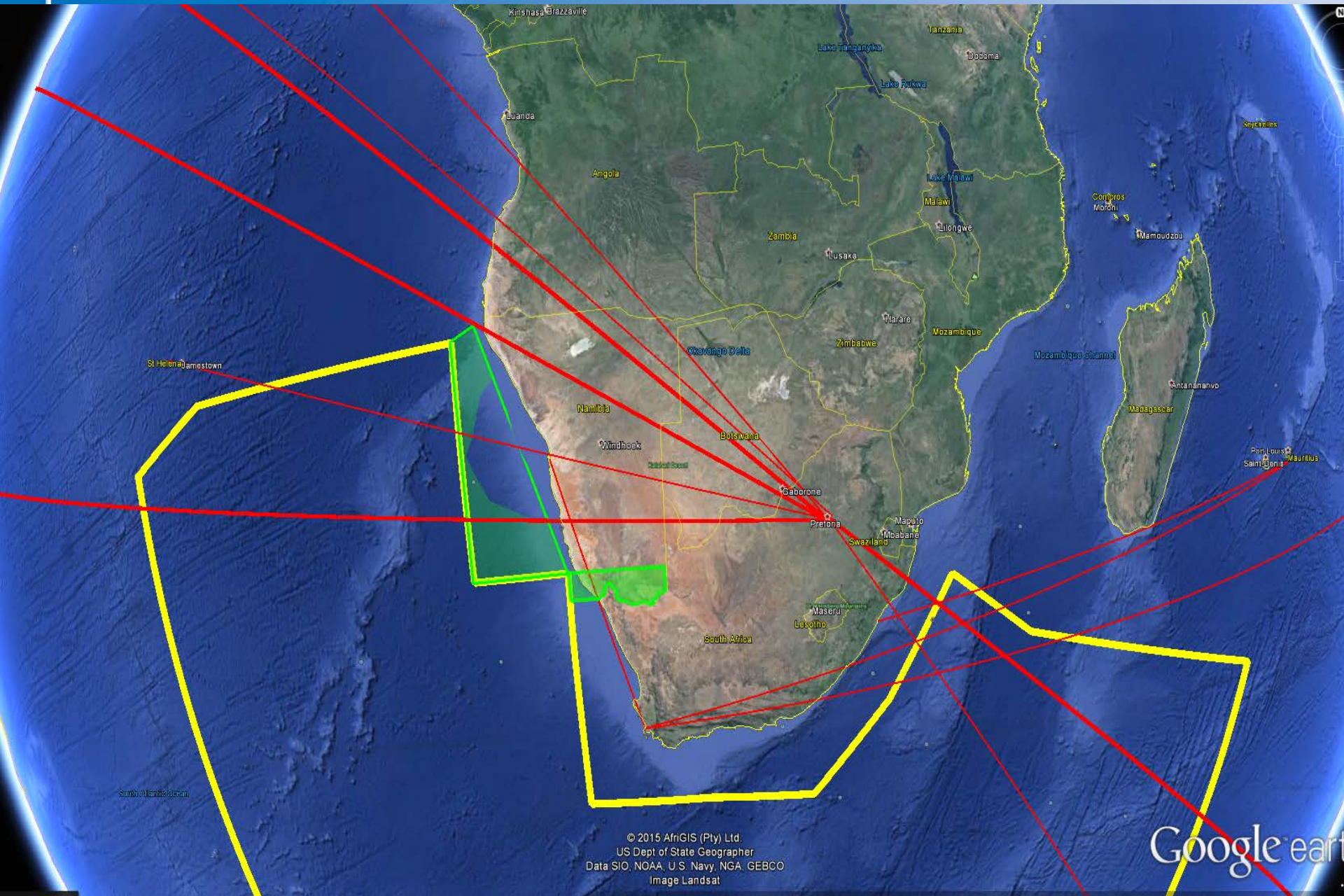
Frank Majaramhepo: Systems Specialist

ROAD TO ADS-CPDLC

- ADS/CPDLC implemented in 2000

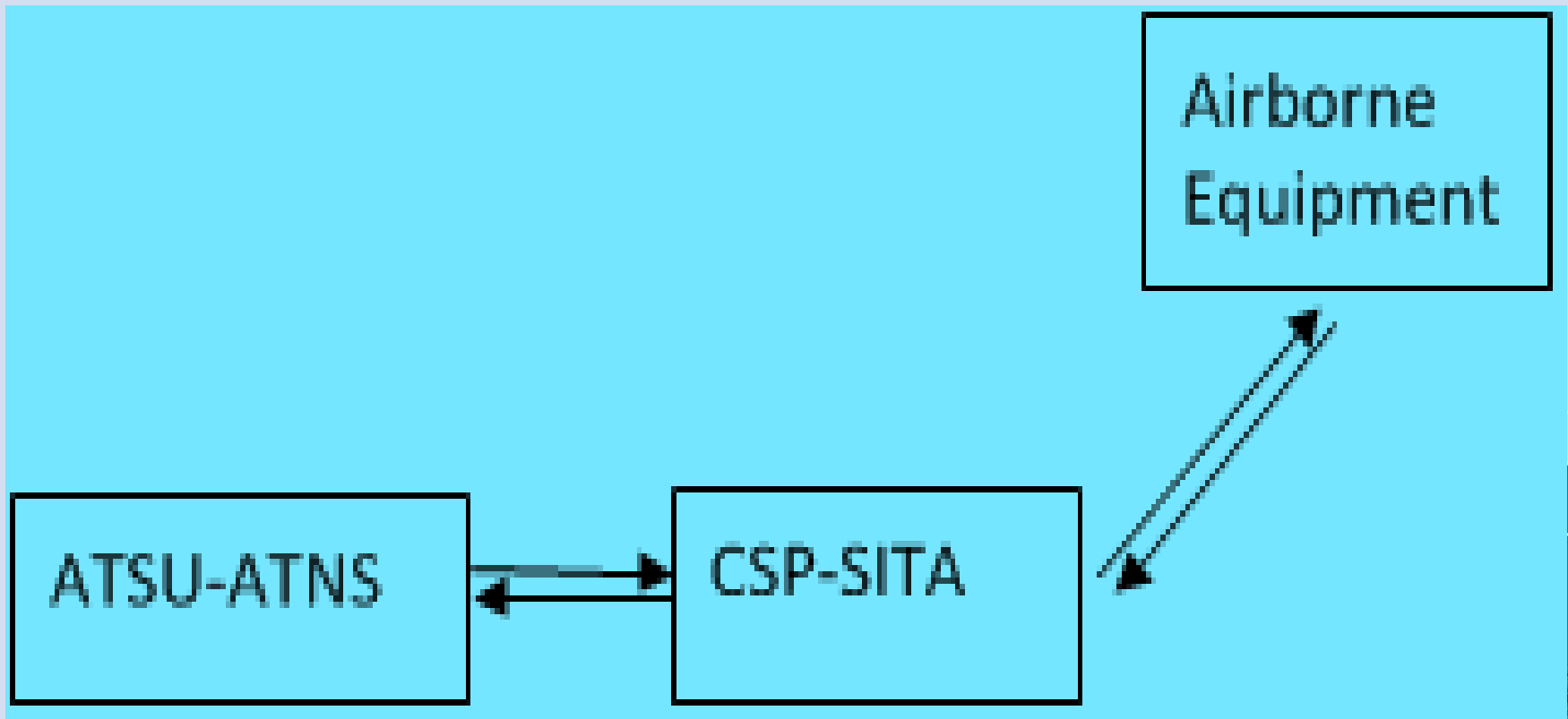


ROAD TO ADS-CPDLC



ROAD TO ADS-CPDLC

CSP



OPERATIONAL EXPERIENCE-ATM System Capability

Button Categories: Message Sets(Uplink)

CLIMB- *Expect climb at, Climb to*

DESCEND – *Expect descent at, Descent to*

ROUTE-*Proceed direct to, Hold at, Cleared to*

SPEED- *Reduce speed to*

FREE TEXT- *discouraged*

ANSWER – *Roger, Unable, Standby*



OPERATIONAL EXPERIENCE-ATM System Capability

- Some earlier models require a software upgrade
- Some require enhancement of existing applications
- Current ATM systems have ADS/CPDLC Interface



OPERATIONAL EXPERIENCE-Challenges

Aircraft equipage

- FANS1/A
- Even where ADS/CPDLC contact exists HF is monitored
- Equipment unserviceability

ATM System

- 99.99% service availability
- Monitoring

Communications

- National Telecommunications Service Providers-Link outages
- No redundancy on ADS/CPDLC



ATC Training

- Commences after Adoption of Operational Procedures (update SSI) and successful Operational Tests and Safety Assessments
- Training of OJTIs by Specialists
- Training for relevant ATCs on the System Support Suite
- Update ATA training curriculum



LOOKING AHEAD

- Implementation of Continental CPDLC:
- AMC
- ACL
- ACM
- Advanced stage of Business Case Review
- POC ready by Q1 2016



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Thank you