



PNG Air Services Limited

ISPACG/28 Update

March 2014



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Current Constraints/Issues

- **Corrupted Aeronautical Data**
- **Aging/Unreliable Systems**
 - **ATM**
 - **Surveillance**
 - **Communications**
- **Land Owners**
- **Settlement Encroachment/Vandalism**



Modernisation

- **Holistic Improvement/Upgrade Program**
 - Recruiting
 - Training
 - Systems
- **Commencement of PBN Implementation**
 - Implemented RNP10 in November 2013
- **Stakeholder Education**
 - Government
 - Regulator
 - Etc



Supporting Projects

- **Communications/Data link**
- **Country-wide Aeronautical Data Survey**
- **Enhancement of Engineering/Technical Skills**
- **Recently Commissioned AMHS**



PAMAS Project

PNG is embarking on a vast CNS/ATM modernisation program costing around USD45m

PNG ADS-B, MLAT & ATM System Project

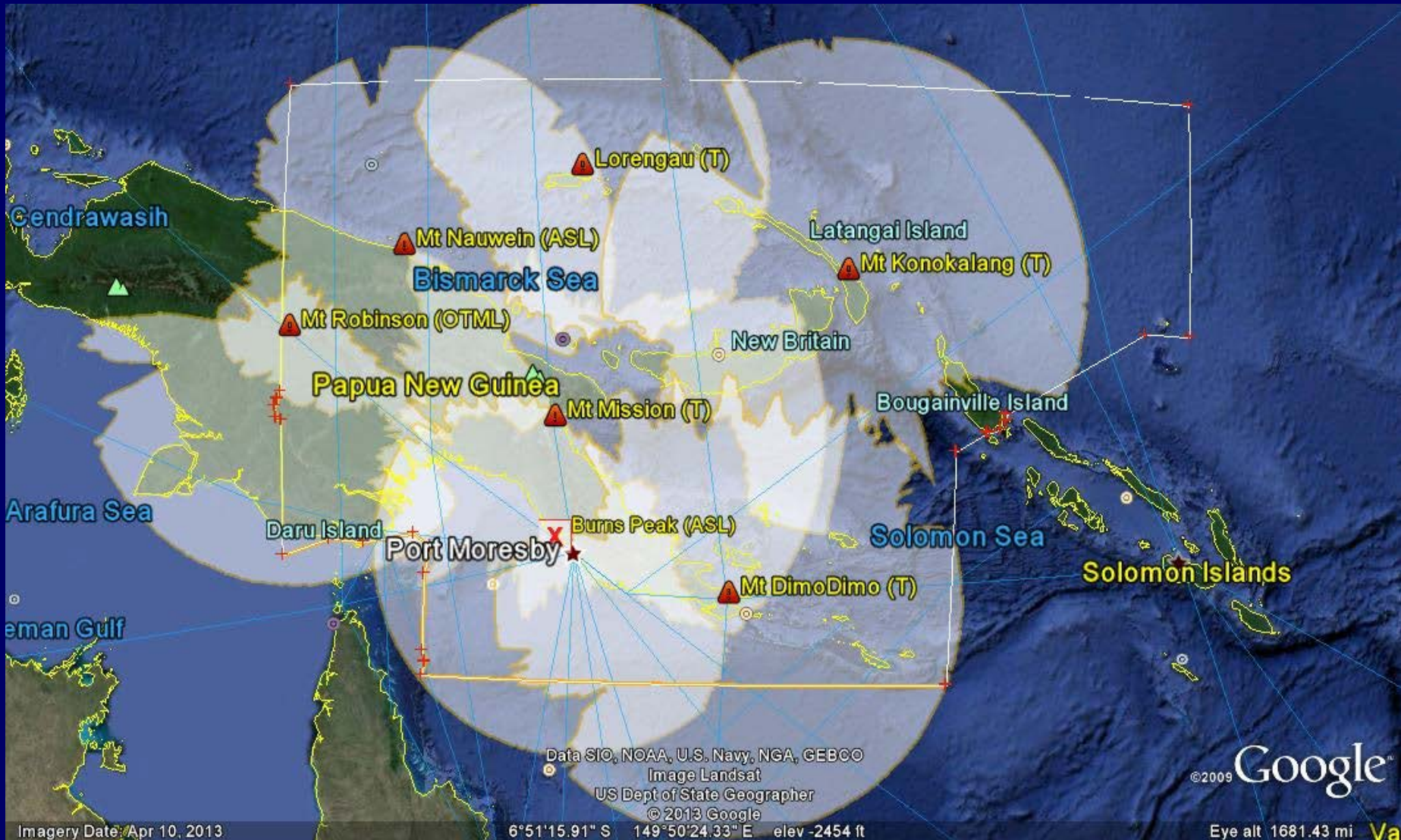
Contract to be signed in April

Preferred Contractor is suggesting an 18 month timeframe - ambitious



ADS-B Coverage 30,000ft

7 Sites, Data Sharing



Multi-Lateration

- **8 Sites - Port Moresby Terminal Area**
- **Backup SSR**
- **Necessary Due Aging Domestic Fleet
Unable to equip with ADS-B**



ATM System

- **8 ATC Workstations**
- **6 Flight Service Workstations**
- **ADS-C/CPDLC**
- **AIDC**
- **MTCP**
- **Etc**

Communications

- **VHF Upgrade**
 - **Currently 'Frequency Offset' system (One frequency for all upper airspace)**
 - **Moving to 'Re-transmit' system (Different frequencies at each site)**
 - **New IP equipment at existing sites plus 4 additional sites**
- **HF Upgrade**
 - **New HF TX/RX sites**
 - **Second TX/RX site out of country**



Settlement Encroachment



Vandalism



Questions

THANK YOU

