

# ISPACG 31

## Agenda Item 2

### NZZO Briefing

ISPACG 31  
Honolulu, Hawaii  
8-9 March 2017



# ATM Replacement

- Airways operates two ATM systems:
  - OCS – Oceanic Operations - operational in 2000
  - Skyline – Domestic Operations – operational in 2003
- Airways has signed contract with Leidos for a single replacement system covering both domestic and oceanic operations – refer IP/19
- Domestic transition planned 3<sup>rd</sup> quarter 2020, oceanic transition planned 2<sup>nd</sup> quarter 2021.

# OCS Development

- We are working through final software enhancements to the OCS system before software development resources are committed to new ATM development. Work to be completed in 2017 includes:
  - ADS-C Climb Descent Procedure (ADS-C CDP)
  - RNP2 lateral separation (offset for same track climb through)

# Aireon Space Based ADS-B

- Airways has signed a 3 year collaboration agreement with Aireon to evaluate the benefits of space based ADS-B.
- Refer IP/17



# HF Hardware life-cycle replacement

- Rohde Schwarz transmitter receiver and antennae replacement completed.
- Transmitters:
  - 4 x 2kw – Volmet/Metfax
  - 2 x 4kw – HF Voice
- TCI Multimode Spiral Antennae
- Hardware replacement in parallel with upgrade to air-ground operators “air-log” interface and their Remote Control System (RCS) with the transmitters.

# Air-Ground HF Operators Position

- Upgrade to air-ground HF operators “air-log” interface and their Remote Control System (RCS) for HF transmitters and receivers is in final stages of acceptance testing.
- Expected transition by 3<sup>rd</sup> quarter 2017.
- New interface for RCS and air-log developed by Airways in-house.



# Rocket Labs – Operations

- Commercial rocket launches of Rocket Labs electron rocket planned for commencement in 2017 from East Coast of New Zealand's North Island.
- Refer IP/18