



NIUSKY PACIFIC LTD

FIT/32

DATE: 9TH OF APRIL 2025

PRESENTERS:

WILLIAM MIGILE- APPROACH CONTROLLER/AATSE

FREESIA WAVINE- MANAGER ATM SYSTEM/DATA

PBCS Update



- ❖ ADS-C/CPDLC introduced in 2020
- ❖ PBCS not yet implemented in the Moresby FIR
 - ❖ Moresby applies 20NM separation, Space Based ADS-B FIR wide.
 - ❖ Implementation expected 2025
 - ❖ In preparation for implementation, HMI indication is available on track label for ATC to determine aircraft PBCS capability

PBCS data and system developments



- ❖ Developments in ATM System with generated data reports:
 - ❖ Current process of updating aircraft data (registration, aircraft type and operator) is manual and done through data preparation.
 - ❖ Manually run script used to output RCP and RSP reports.
 - ❖ Report output (csv) goes through the support technical team.
 - ❖ Unable to easily generate reports through Jade. Working with Thales to have reports and the analysis of the reports easily generated.
 - ❖ Expected in a future software upgrade.
 - ❖ Expected to report PBCS data to RMA-AMA

Website development



❖ In preparation for PBCS implementation we have been working on a website to show our PBCS data and analysis:





PAGES

- Dashboard
- RSP (ADS-C)
- RCP (CPDLC)
 - Graphs
 - Tabular
- DAG
- Import/Export

MORE

- Settings
- Log Out

RCP Tabular

1st January, 2024 to 31st December, 2024

JP Jeremy Palme

All time Previous 2 months From 2024-01-01 To 2024-12-31

CPDLC Performance (ACP)

Color Key

- Meets Criteria
- 99.84% - 99.0%
- Under Criteria

Period 1st January, 2024 - 31st December, 2024

95% RCP240 Benchmark

99.9% RCP240 Benchmark

Media Type	RGS	Aircraft Type	Operating Company	Tail Number	ANSP	Message Count	RCP <= 180s	RCP <= 120s
Analysis by RCP240 ACP								
VHF All	All	All	All	All	All	74,084	99.56%	98.40%

CPDLC Performance (ACTP)

Color Key

- Meets Criteria
- 99.84% - 99.0%
- Under Criteria

Period 1st January, 2024 - 31st December, 2024

95% RCP240 Benchmark

99.9% RCP240 Benchmark

Media Type	RGS	Aircraft Type	Operating Company	Tail Number	ANSP	Message Count	RCP <= 180s	RCP <= 120s
Analysis by RCP240 ACTP								
VHF All	All	All	All	All	All	74,084	99.86%	99.67%

FANS 1/A CRA reports



❖ Reports for mid 2024 to early 2025:

CRA Report reference	Title	Date	Reg	Flight Number	Flight Sector	Aircraft Type	Investigation result
3791-MM	Incorrect position/coordinates in report	2025-03-25	B-18903	CAL51	RCTP-YSSY	A359	MM 4-Apr-2025: The CRA has assigned Airbus to investigate this PR and has attached the ACARS message log to the PR.
3716-CJ	ADS-C report not received	2024-08-10	VH-8IE	VOZ77	YBCS-RJTT	B38M	

Other issues



- ❖ All other issues related to datalink have been reported to Thales as they are identified as software bugs (minor)
- ❖ PNG-770 #4277 CM Contact to YBBB failure
 - ❖ The solution is to increase the BATAP window size which might ease the problem but it will still happen when the system is under load, saying, there are many active CMA connections.
Correction to increase ACS_BATAP_WINDOW from 10 to 60 will be applied.

Thank you

