



ISPACG/40/FIT/33

5th of May 2026

Presenters:

William Migile – Approach Radar Controller/ AATSE

Mildred Waila – Enroute Radar Controller / AATSE

Air Traffic Management

Thales TopSky Electronic Flight Strips (EFS)

- Expected implementation in 2027

MicroNaV BEST 3D Tower SIM

- Project 47% complete
- Hardware upgrade completed in March 2026
- Software upgrade and phase 2 expected in May 2026

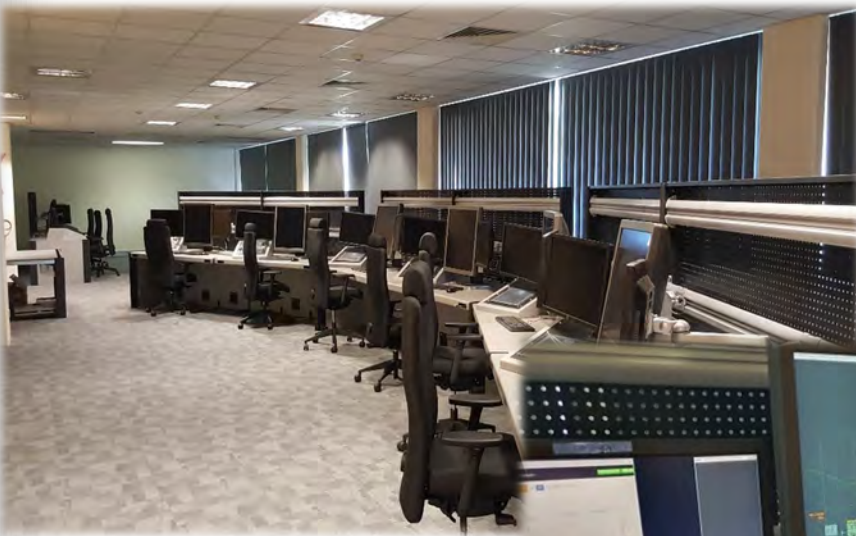
ATM System Hardware Upgrade

- Estimating 2027 with new Port Moresby ATC tower

SIDS and STARS

- Implementation in 2027
- In-house software development for the Flow Control Systems is in progress

Port Moresby ACC



Surveillance Status

Terrestrial ADS-B sites

➤ 4 more sites to be added to operations;

- Lorengau (North)
- Mt Nauwein (West)
- Madang (North)
- Mt Hagen (Mid)

Space Based ADS-B

- Operational FIR Wide from Ground – FL600
- All Positions including Flight Service

Mode S Radar

ADS-C



Communications Status

CRV network

- Common Aeronautical Regional Virtual Private Network (CRV) with all neighboring FIRs

Terrestrial VHF sites

- 11 remote sites
- 3 new sites
 - Mt Lunaman (North coast of PNG)
 - Vanimo (North west of PNG)
 - Iagifu (Highlands Region)

CPDLC

HF

Space Based VHF

- Space Based VHF
 - Evaluation and testing planned for September/October 2026
 - Partial implementation Q3 2026
- Satellite Voice Service



Coordination Status

Update

- AIDC fully implemented with all neighboring FIR
- Letters of Agreement with YBBB and WAAA are updated
- Letter of Agreement with KZAK to be updated
- Proposed testing and implementation of CPL and CDN with YBBB in September 2026



Training for 2026

- In progress: Ab-initio training for 20 new cadets
- Planned training:
 - August: Approach Radar Course
 - October: ADC Course
 - Early 2027: Area Course
- Other trainings:
 - Recurrent training for Approach, Area and FIS



Projects and improvements

PBCS

- Implementation plan
- Web/ software development is in progress
- Working with Thales to generate reports

Contingency Plan

- In draft with APAC office

New ATC Towers for Port Moresby and Goroka

- Bidding stage
- Construction completion expected in 2027

Nadzab Digital Tower

- Implementation planned for 2027

AIS to AIM transition

- Initial planning stages and database development

ATM System generates RCP and RSP data

Issues include manual updating of dataset PBCS_LOOKUP_TABLE

➤ AEI in place to outline update procedure

ATM System generates RCP and RSP data

Issues include manual updating of dataset PBCS_LOOKUP_TABLE

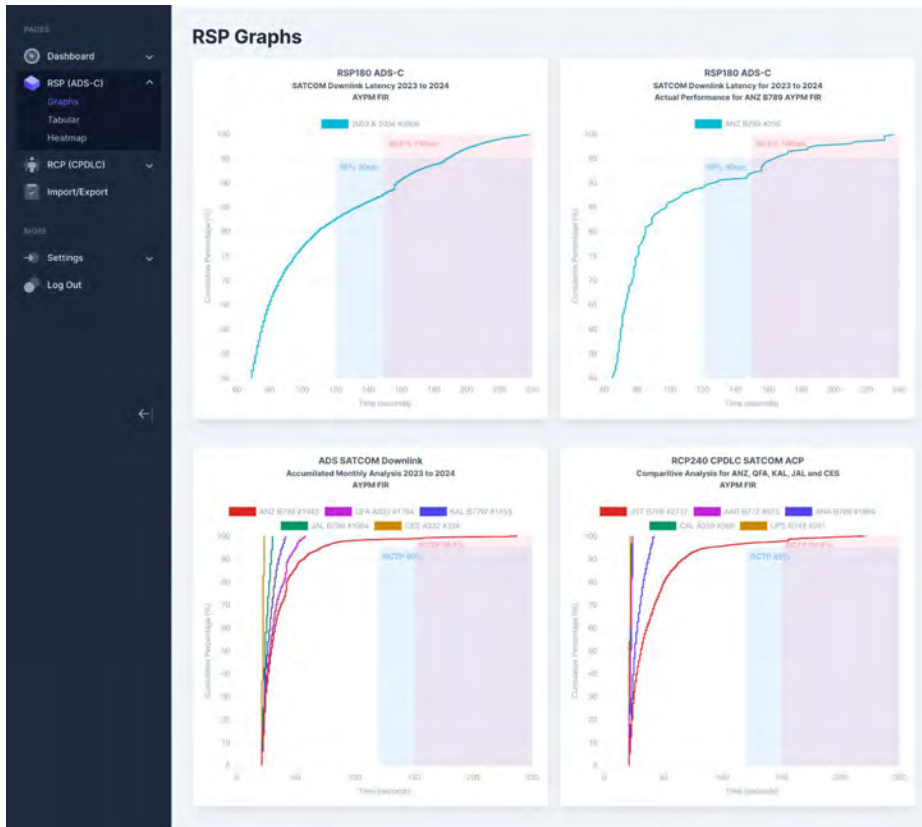
➤ AEI in place to outline update procedure

ANSP	REG	TYPE	OPER	DATE	MAS_RGS	OPS_RGS	UL_TX_TIN	MAS_LACI	MAS_LACI	AIRCRAFT	UL_OPS_RUL_RT	TIN_DL_RESP	UL_IDENT	DL_IDENT	ACTP	ACP	PORT	COMTYP
AYPM	DQ-FJW	A333	FJI	20240401	QXT	QXT	0:10:16	0:10:21	5	0:10:28	0:10:37	21	9 U30	D0		11	21	10 VHF
AYPM	DQ-FJW	A333	FJI	20240401	QXT	QXT	0:25:03	0:25:08	5	0:25:15	0:25:23	20	8 U82	D0		10	20	10 VHF
AYPM	DQ-FJW	A333	FJI	20240401	QXT	QXT	0:31:33	0:31:39	6	0:31:42	0:31:51	18	9 U74	D0		11	18	7 VHF
AYPM	DQ-FJW	A333	FJI	20240401	QXT	QXT	0:32:07	0:32:12	5	0:32:36	0:32:44	37	8 U120	D0		10	37	27 VHF
AYPM	DQ-FJW	A333	FJI	20240401	QXT	QXT	0:44:47	0:44:56	9	0:45:00	0:45:09	22	9 U82	D0		12	22	10 VHF
AYPM	JA843J	B788	JAL	20240401	QXT	QXT	0:49:32	0:49:35	3	0:49:40	0:49:50	18	10 U20	D0		11	18	7 VHF
AYPM	JA843J	B788	JAL	20240401	QXT	QXT	0:52:56	0:53:00	4	0:53:03	0:53:13	17	10 U82	D0		12	17	5 VHF
AYPM	DQ-FJW	A333	FJI	20240401	QXT	QXT	0:55:15	0:55:26	11	0:55:32	0:55:40	25	8 U19	D0		13	25	12 VHF
AYPM	DQ-FJW	A333	FJI	20240401	QXT	QXT	1:05:56	1:06:01	5	1:06:58	1:07:07	71	9 U118 U165	D0		10	71	61 VHF
AYPM	JA843J	B788	JAL	20240401	QXT	QXT	1:20:20	1:20:24	4	1:20:29	1:20:39	19	10 U120	D0		12	19	7 VHF
AYPM	N819AX	B772	AW	20240401	DDL	DDL	1:29:07	1:29:33	26	1:29:40	1:29:47	40	7 U120	D0		20	40	20 VHF
AYPM	JA880J	B789	JAL	20240401	QXS	QXS	2:02:17	2:02:21	4	2:02:24	2:02:27	10	3 U120	D0		4	10	6 VHF
AYPM	JA843J	B788	JAL	20240401	QXT	QXT	2:04:41	2:04:45	4	2:04:49	2:05:03	22	14 U118 U165	D0		15	22	7 VHF
AYPM	HL8276	A332	KAL	20240401	DDL	DDL	2:22:19	2:22:27	8	2:22:33	2:22:43	24	10 U120	D0		13	24	11 VHF

Progress on data analysis with our ATM Support team (Software)



Current implementations- PBCS





Thank you