

NiuSky

*Modern Air Traffic Management
for Papua New Guinea*



ISPACG34/ FIT/27

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PORT MORESBY FIR-

- ❖ ADS-B SITES (NZ/PY) / SPACE-BASED ADS-B (SEPT/OCT);
- ❖ UPR (RESTRICTED E/FIR...ONCE TRANSITIONED TO SB-ADS-B)
- ❖ SURVEILLANCE COVERAGE (RADAR & ADS-B) GND BASED/SB

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ATM TRANSITION

- ❖ TOPSKY SYSTEM (UCA/APP/ARR & FIS (CURRENT)

- ❖ COORDINATION (AIDC-BN ONLY, WAAF TRIAL YET TO COMMENCE SHORTLY, KZAK TO FOLLOW)

- ❖ SURVEILLANCE
 - ❖ ADS-B Ground Based & Space Based
 - ❖ Radar
 - ❖ ADS-C

- ❖ SEPARATION (RNP₄ TB IMPLEMENTED SHORTLY/ GNSS)

- ❖ NEXT STEPS FORWARD (CRV/GNSS/PBCS, UPR EXPANSION, etc)

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ATM TRANSITION- TOPSKY SYSTEM



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COMMUNICATIONS

- ❖ HF (NEW TX/RX THIS YR);
- ❖ CPDLC (JAN-A GREAT RELIEF/CONTROLLER PREFERENCE, MOSTLY USED TOWARDS THE NORTH-EAST DUE TO LIMITED VHF COVERAGE)

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COORDINATION

- ❖ AIDC WITH BN, WAAF TO FOLLOW SOON. KZAK TBC.
- ❖ OTD FUNCTION- TO BE ENABLED IN THE SYSTEM FOR USE WITH KZAK ONLY & BN TBC

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SURVEILLANCE

- ❖ ADS-B 3 SITES COMMISSIONED
 - ❖ SB ADS-B EXPECTED SEP/OCT (FIR +50NM – GND-F600)

- ❖ RADAR (200NM PY)

- ❖ ADS-C (JAN)



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SEPARATION

- ❖ APPLYING RNP4 SEP SHORTLY (TBC)
- ❖ ONCE TRANSITIONED TO SPACE-BASED, APPROPRIATE STD REV...

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NEXT STEPS FORWARD

- ❖ CRV (SB ADS-B)
- ❖ PBCS
- ❖ GNSS
- ❖ EXPANSION OF UPR FIR WIDE ONCE
TRANSITIONED TO SPACE-BASED ADS-B
- ❖ DARP

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QUIRIES/COMMENTS

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