



Surveillance/ADS-B Implementation Process in **SURINAME**

(NAM/CAR/SAM Workshop on the Development of the regulation for the implementation of ADS-B (ADS-B-Imp))

17-21 July 2023

Installed Infrastructure

- PSR
- SSR
- ADSB Antenna (2)

OVERALL COVERAGE

- PSR - Approx. 60 NM Radius
- SSR - Full coverage SMPM FIR at higher levels (enroute flights)
 - at lower levels we have some issues (domestic flights to the interior and low level enroute flight at great distances)
- ADSB - with only 2 ADSB antennas the coverage is very good
 - future planning to install more ADSB receivers and upgraded communication systems (HF for low altitude coverage)

INTEGRATION TO THE ATC UNITS

- Representation of the information from the PSR, SSR and ADSB are displayed at the Paramaribo Area Control Centre and Approach Control Unit using the same Automated ATM System and displays.

Training Level of Personnel

- Equipment and ATM System Training for personnel already completed
- Surveillance Training for Air Traffic Controllers in progress in small groups:
 - partly already trained
 - expected to complete training in the coming months

FLEET CAPACITY STATISTICS

- Average number of International IFR Flights in 24 hours:
 - between 60 and 80
 - according statistics ATM system (checked randomly), 100% of these flights are ADSB equipped
- Average number of domestic VFR flights a day:
 - between 50 and 80
 - according information received from local operators, more than 90% of the aircraft are ADSB equipped

Avionics Certification Process

- Certification is done by the manufacturer and regulatory authority

CHALLENGES

- Financial
- Lack of personnel
- CDM

General Status of ADSB Implementation

- ADSB system installed, however some additional investments/ upgrade is needed to have the system running properly
- personnel not fully trained yet
- regulations for the implementation of ADSB not in place yet
- some meetings were held in the past with users and/or stakeholders and information were exchanged, this will be resumed to make every stakeholder ready for the implementation
- it is planned to be ready for ADSB implementation by the end of 2024, either fully or in phases (part of the airspace)

Required Regulations to be Ready for implementation

- operational procedures for the implementation for ADSB in ATC should be in place
- the local regulations and requirements for ADSB use in the FIR should be developed
- structuring the provision of air navigation services in Suriname Airspace
- possible re-design of the airspace
- the readiness of all stakeholders in the implementation process

THANK YOU