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First Meeting of the Steering Group of the Improvement of Air traffic Services over the South Atlantic

(SAT-SG/01)

Virtual, 4 December 2023

Agenda Item 3: Update on developments in the SAT area

Title: Modernisation of Air Traffic Management system in Cabo Verde

(Presented by Cabo Verde – ASA ANSP)

SUMMARY
This information paper presents the modernisation of the air traffic management system in Cabo Verde, including efforts to improve the air traffic services, enhance operational support capacity, intensify the application of new technologies and accelerate the construction of infrastructure, which are designed to promote the global air navigation system evolving towards the established vision through concrete actions.   Action by the Meeting: The meeting is invited to take note of the information contained in the paper

Strategic Objectives	• A – Aviation Safety • B – Air navigation Capacity and Efficiency

1. INTRODUCTION

1.1. Cabo Verde is committed to the implementation of Global and Regional Air Navigation. Therefore, in 2019, the ANSP developed an Operational Master Plan to prioritise benefits in key performance areas such as Safety, Security, Environmental Impact, Cost-effectiveness, Capacity, Flight Efficiency, Flexibility, and Interoperability.

1.2. Based on the priority of Master Plan projects, ASA implemented and modernised the air traffic management system and its support subsystems, namely the Voice Communication System, Recording System, and simulator.

1.3. This modernisation aims to introduce, in terms of Air Traffic Management, technologies that provide automation, digitalisation and flexibility, allowing the resilience and operational performance of the ATS services provided in the Sal FIR.

1.4. The Air Traffic Management system – ManagAir - has been fully operational since June 2023, after a successful transition period.

2. DISCUSSION

2.1. Implementation of the ManagAir system at the Sal Oceanic and Praia, Boa Vista, São Vicente and Sal towers.

2.2. Implementation of the VCS Garex 300 IP voice system, which introduces a new generation of ground-to-ground and ground-to-air voice communication technology into the world of air traffic. This system improves the quality and reliability of communication, promotes capacity and enables higher levels of efficiency.

2.3. Provision of the Sal Oceanic Control Center with a VRS Neptuno 4000 voice recording system duly synchronised with ManagAir, which facilitates future operation data analysis.

2.4. Modernisation of the ATC Simulator, enabling systematic and regular training in simulation environments. Also, it allows effective management of changes and updates of procedures before operation.

2.5. Improvement of coordination methods - Sal will implement ATS Interfacility Data Communication (AIDC) between Sal/Dakar FIR and Sal/Santa Maria FIR.

2.6. Capability to monitor the Performance Based Communication and Surveillance requirement - RCP240 and RSP180.

3. ACTION BY THE MEETING

3.1. The meeting is invited to take note of the details of modernization of ATM system in SAL FIR.