



ICAO

**Twenty Fifth Meeting of the Africa-Indian Ocean Planning and Implementation Regional Group
(APIRG/25)**

7 - 11 November 2022

Agenda Item 3: Implementation of air navigation goals, targets and indicators, including the priorities set in the regional air navigation plan

3.6. Other Air Navigation Initiatives

Cabo Verde Air Navigation Master Plan

(Presented by CABO VERDE)

SUMMARY	
<p>This information paper presents the Cabo Verde Air Navigation MASTER PLAN and the progress of Cabo Verde projects in accordance with Global Air Navigation Plan (Doc 9750).</p> <p>Action by the Meeting is as per paragraph 3.</p>	
<i>References</i>	<p>Doc 9750, Global Air Navigation Plan</p> <p>Doc 7474, Air Navigation Plan — Africa-Indian Ocean Region</p>
<i>Strategic Objectives</i>	<p>A – Aviation Safety; B – Air navigation Capacity and Efficiency; E – Environmental Protection.</p>

1. INTRODUCTION

ICAO Global Air Navigation Plan presents all States a planning tool supporting a harmonized global Air Navigation system. It identifies all potential performance improvements available today, details the next generation of ground and avionics technologies that will be deployed worldwide.

Cabo Verde is committed to the implementation of the Global and Regional Air Navigation Plan and decided to develop an Air Navigation Master plan to organize the actions to be implemented in the next 15 years.

2. DISCUSSION

- 2.1. Cabo Verde Air Navigation Master Plan aggregate a logic of concept operations, Key priorities, Challenges, Strategic initiatives on the global and regional level, according to our needs.
- 2.2. The Master Plan was developed based on a prioritization of benefits in terms of key performance areas such as Safety, Security, environmental Impact, Cost effectiveness, Capacity, Flight efficiency, Flexibility, and Interoperability.
- 2.3. The actions in the Master Plan are divided in 3 timeframes taking into consideration Cabo Verde's operational needs and regulatory requirements:
 - **Short term (2021-2025)** addresses immediate operational needs, and it is implemented in a relatively short time, aligned with ASBU Block 0 and block 1 concepts.
 - **Medium term (2026-2030)** Initiatives that do not address immediate operational needs, the implementation is less urgent or requires more preparation and, the timeframe is aligned with ASBU Block 2;
 - **Long term (2031-2035)** Concepts which are more advanced and not yet mature, and the timeframe is aligned with ASBU Block 3.
- 2.4. Main Cabo Verde Air Navigation Master Plan projects for short term:
 - Transition from AIS to AIM: eAIP and QMS (as per ICAO Annex 15) full implemented;
 - Certification of ATS, CNS and AIS (full implemented)
 - Modernization of ATM system (on going and will be fully implemented by July 2023 - 4 month transition period after SAT (23MAR2023));
 - Performance Based Navigation for Approach traffic in the 4 Cabo Verde International Airports (2 airports full implemented and 2 airports with PBN procedures validated and will be published in 2023);
 - Improve communication and surveillance capabilities: ADS-B (ongoing and to be fully implemented on the first quarter of 2023) and SAT COM (implementation planned for 2023)
 - Improve coordination with neighboring FIRs: Implementation of AIDC with GOOO (ongoing and to be fully implemented on the first quarter of 2023) and LPPO (to be fully implemented on the second quarter of 2023)
 - Improve capacity for en-route traffic - Implement RNP4 (will be fully implemented according to EUR SAM CORRIDOR projects)
 - Consolidate SMS (Level 2 fully implemented and level 3 ongoing)

3 ACTION BY THE MEETING

- 3.1. The meeting is invited to take note of Cabo Verde Air Navigation Master Plan project and to encourage states to develop their Air Navigation Master Plan.