

INTERNATIONAL CIVIL AVIATION ORGANIZATION
Eighth Meeting of the APIRG Airspace and Aerodrome Operation Subgroup (AAO-SG/8)
Dakar, Senegal, 14-18 July 2025
Agenda Item 4: AFI AIR NAVIGATION PLAN
Update on ATM/SAR information in the Regional Air Navigation Plan
(Presented by the Secretariat)

SUMMARY
<p>This working paper presents the status of the update of the Air Traffic Management/ Search and Rescue information in the AFI Regional Air Navigation Plan.</p> <p>Action by the meeting is in paragraph 3.</p>
<p>REFERENCE(S):</p> <ul style="list-style-type: none"> - APIRG 20-26 Reports - AFI eANP Vol I, II and III.
<p>Related ICAO Strategic Objective(s):</p> <p>(B)-Air Navigation Capacity and Efficiency</p>

1. INTRODUCTION

1.1 On 19 August 2016, the ICAO council approved the AFI eANP Vol I; and APIRG/21 through decision 21/04 approved the AFI eANP Vol II & III in October 2017.

1.2 The AFI eANP, Volume I contains stable plan elements pertaining to ATM/SAR such as FIR boundaries, SRR boundaries whose amendment necessitates approval by the Council such as the assignment of responsibilities to States for the provision of aerodrome and air navigation facilities and services in accordance with Article 28 of the Convention on International Civil Aviation (Doc 7300); and the current to medium term mandatory regional requirements related to aerodrome and air navigation facilities and services to be implemented by States in accordance with regional air navigation agreements and requirements specific to the region which are not covered in the ICAO Standards and Recommended Practices (SARPs) and Procedures for Air Navigation Services (PANS).

1.3 The AFI eANP Volume II contains dynamic plan elements material pertaining to ATM/SAR such as Major Traffic flow, ATS routes, RCC/RSC details, related to the assignment of responsibilities to States for the provision of aerodrome and air navigation facilities and services and the current to medium term mandatory regional requirements related to aerodrome and air navigation facilities and services to be implemented by States in accordance with regional air navigation agreements involving the relevant PIRG. The amendment of these elements does not require approval by the Council.

1.4 The ANP Volume III contains dynamic/flexible plan elements providing implementation

planning guidance for air navigation systems and their modernization taking into consideration emerging programmes such as the ICAO Aviation System Block Upgrades (ASBUs) and associated technology roadmaps described in the Global Air Navigation Plan (GANP) (Doc 9750). The ANP Volume III also includes appropriate additional guidance, particularly with regard to implementation, to complement the material contained in the ANP Volumes I and II. The amendment of Volume III would not require approval by the Council (approval of Part II is under the responsibility of the relevant PIRG).

1.5 The ICAO Assembly resolution 41-10 resolved as a continuing ICAO policy that Regional Plans shall be revised when it becomes apparent that they are no longer consistent with current and foreseen requirements of international civil aviation.

2. DISCUSSION

Update of ATM/SAR elements of AFI eANP Volume I & II

2.1 Volumes I and II of the AFI eANP contain outdated or missing ATM/SAR information, which requires amendments from States. Missing ATM/SAR information concern elements such as the FIR and SSR boundaries (in volume I), outdated information concern major traffic flow, ATS routes, contact details for SAR focal points in RCC/RSC as well as AFI SSR code allocation, among others.

2.2 APIRG Conclusion 26/20 urges States to submit their requests to the ICAO ESAF and WACAF Regional Offices for the updating of Volumes I and II of the ANP by 28 February 2024. ICAO ESAF and WACAF Regional Offices were requested to consolidate inputs received from States and initiate the proposals for amendment of the two Volumes by 30 April 2024.

2.3 The ESAF and WACAF Regional Offices have gathered information provided by States through surveys in ATM and SAR. However, some information provided by States looked inconsistent or outdated based on previous data available at the level of the Regional Offices, namely on the FIR/SRR boundaries coordinates. States and their associated ANSPs are called on to confirm or submit amended information pertaining to FIR/SRR boundaries to enable the finalization of the amendment of the AFI eANP Volume I.

2.4 Update of the ATS routes in ANP Volume II requires more regional coordinations as the list of routes include regional ATS routes. The AFI Airspace Optimization project team is currently working on the review of the regional ATS routes network. It is expected that the results of the review of ATS routes network will be coordinated with the States for validation before its integration into the eANP volume II.

Update of ATM/SAR elements of AFI eANP Volume III

2.5 The Regional Offices conducted the update of the ANP volume III based on information collected from States on the status of implementation of ASBU elements applicable to the AFI Region. It was noted the lack of information on the status of implementation on many ASBU elements. Elements that were reported concerned ASBU modules B1-ACAS, B0-APTA, B0-FRTO, B1-APTA, B0-SNET and B1-GADS.

2.6 It was observed that some key elements in the operational threads such as APTA-B1/1 (PBN Approach-advanced capabilities), APTA-B1/2 (PBN SID-STAR, Advanced capabilities), APTA-B1/4 (CDO-Advanced), APTA-B1/5 (CCO-Advanced), FRTO-B0/6 (PBN Helicopter Point In Space (PINS) Operations) have no or incomplete input. States should provide complete information on these critical elements that are monitored in the Region.

2.7 The draft PfA for AFI eANP Volumes I and II, Part IV are provided as Attachment A and B to this paper, respectively. The draft proposal for amendment of the volume III is provided as Attachment C to the paper.

3. ACTION BY THE MEETING

The meeting is invited to:

- a) Take note of the information provided in this working paper;
- b) Consider the proposed update of the volumes III; and provide further guidance as appropriate;
- c) Urge States to provide feedback on the proposed update of FIR/SRR boundaries information in the AFI eANP Vol. I as well as the RCC/RSC details updated in eANP Volume II before 31 August 2025 considered as the ultimate delay for submission.

Attachment A - Proposed amendments to PART IV of the AFI eANP Volume I,

Attachment B - Proposed amendments to PART IV of the AFI eANP Volume II

Attachment C - Proposed updates to PART 2 of the AFI eANP Volume III,