

## INTERNATIONAL CIVIL AVIATION ORGANIZATION

Fourth Meeting of the APIRG Airspace and Aerodrome Operations Sub-Group  
(AAO SG/4), Virtual Meeting, 16 to 18 August 2021**Agenda Item 3 Planning and Implementation****Agenda Item 3.1: Airspace (Safety, Capacity and Efficiency) projects.****AFI PBN IMPLEMENTATION STATUS***(Presented by AFPP)*

SUMMARY
This working paper provides the status of implementation of the Performance-Based Navigation (PBN) related recommendations, conclusions and decision in the AFI Region. It also provides PBN implementation status in the Region.
<b>Action by the meeting is at paragraph 3</b>
<b>REFERENCE(S):</b> <ul style="list-style-type: none"><li>• Doc 9750-Global air Navigation Plan (2016-2030)</li><li>• APIRG Reports</li></ul>
<b>Related ICAO Strategic Objective(s):</b> <ul style="list-style-type: none"><li>A - Safety</li><li>B - Air Navigation Capacity and Efficiency</li><li>E – Environment Protection</li></ul>

**1. INTRODUCTION**

1.1 The Performance-Based Navigation (PBN) is considered the highest priority for air navigation. Implementation of PBN starts with the development by each State of a National PBN Implementation Plan (NPIP) prior to the development of flight procedures, including Continuous Climb Operations (CCO) and Continuous Descent Operations (CDO).

1.2 PBN is also a key enabler of the aviation System block upgrades (ASBU).

1.3 In order to assist States in implementing PBN, AFI Planning and Implementation Regional Group (APIRG) issued a PBN implementation roadmap for the AFI Region. A new national PBN implementation template was adopted at the APIRG 23 meeting.

1.4 In order to improve the level of PBN implementation within the Region, many resolutions and decisions have been taken by ICAO.

1.5 The present paper provides in the form of a table, the implementation status of these resolutions and

conclusions. Additionally, the PBN implementation status in the Region is provided in **Appendix A** to this paper.

## 2. DISCUSSION

2.1 The ICAO Assembly took the following PBN implementation resolutions, AR37-11 and AR40-6.

2.2 The implementation status of these resolutions as well as the APIRG relevant resolutions are presented in the table below.

<b>ICAO Assembly resolutions</b>			
Ref.	Text	Responsibility	Status
AR37-11	<ul style="list-style-type: none"> <li>Completion of NPIP as matter of urgency</li> <li>Implementation of PBN flight procedures and routes</li> </ul>	States	On-going Refer to <b>Appendix A</b>
A40-6	<ul style="list-style-type: none"> <li>Use of the AFPP for PBN implementation</li> <li>Assistance to the AFPP.</li> </ul>	States	States uses AFPP but don't pay the annual contributions
<b>APIRG Conclusions</b>			
Conc. 22/07	States to fund the review of their NPIP for alignment with the current ICAO template	States	On-going
Conc. 22/08	States to confirm their CCO/CDO implementation status to the AFPP and the ICAO Ros.	States	On-going – Few feedbacks received
	Organization of airspace design workshop	AFPP & ICAO	Done
Conc. 23/05	Organization of an NPIP development workshop	AFPP & ICAO	Done
	Conduct CCO/CDO implementation survey (AFPP, ICAO)	AFPP & ICAO	On-going
	State with no NPIP developed to coordinate with the AFPP and ICAO ROs for assistance	States	On-going Few requests received
	States to align their NPIPs with the new ICAO format	States	No feedback received

## 3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) Take note of the status of the implementation of the PBN-related resolutions, conclusion and decision;
- b) Propose further action.

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