International Civil Aviation Organization

ICAO **The Third Meeting of the South Asia, Indian Ocean and Southeast Asia ATM Coordination Group (SAIOSEACG/3)**

Bangkok, Thailand, 16 – 19 April 2024

WORKSHOP ON PBN IMPLEMENTATION IN EN-ROUTE ENVIRONMENT

PROGRAMME OUTLINE

1. INTRODUCTION

Since its publication in 2008, the concept of performance-based navigation (PBN) has profoundly transformed the aviation industry and influenced future development trends. Over the years, ICAO has published a series of guidance materials to promote the PBN Implementation in all phases of flights, including en-route. The Workshop intends to discuss ICAO guidance and regional documents for implementing PBN to optimise route structure and airspace. Besides, the Workshop also aims to facilitate an exchange of ideas and experiences among ANSPs and airspace users regarding the PBN application in an en-route environment.

As such, the Workshop is expected to provide a valuable platform for sharing practical insights and lessons learned, which can ultimately contribute to the overarching goal of advancing the seamless ANS objective in APAC. Since the proposal to hold the Workshop was put forward by the SAIOSEACG member States, and it is well-aligned with SAIOSEACG objectives, all SAIOSEACG/3 participants are invited to attend the Workshop in conjunction with the meeting and join the discussion.

2. OFFICERS FACILITATING THE WORKSHOP

Mr. Vijay Kumar Mishra, Regional Officer, PBN (vkmishra@icao.int)

Mr. Xu Zhi Feng, Regional Officer, ATM (zxuu@icao.int)

3. INTRODUCTION BY ICAO

This session aims to provide a comprehensive discussion on ICAO guidance and regional documents on PBN implementation, covering a range of aspects as follows:

- ICAO documents and manuals supporting PBN implementation in the en-route environment;

- APAC Regional documents associated with PBN implementation and the regional expectations for PBN application;

- Analysis of the current status of PBN implementation in the en-route environment;

- Approval of operation, performance requirements and conformance monitoring; and,

- Implementation guidance for a PBN application in a particular airspace concept and establish the correct PBN specifications for ATS routes.

4. PRESENTATION BY STATES

ATTACHMENT C
PBN Workshop Programme Outline
16 – 19/04/2024

This session will invite key stakeholders from air navigation service providers and airspace users to share the best practices, lessons learned, challenges and their mitigation on the following aspects:

- **Development of PBN airspace**. - The goals and expectations of PBN in the airspace planning;

- **Approval of operation**. - Approval process & methodology, including training for airspace designers and Air Traffic Control Officers (ATCOs); and,

- **Operational experience and benefits**. - Including problems encountered during the implementation and their mitigation.