



International Civil Aviation Organization

**Seventh Meeting of Performance Based Navigation Sub-Group
(PBN SG/7)**

(Virtual Meeting, 5 - 6 December 2022)

Agenda Item 4: PBN Planning and Implementation in the MID Region

THE NEED FOR REMOTE CONTINENTAL AIRSPACE CONCEPT IN MID PBN PLAN

(Presented by PBN IP Ad-hoc WG Chairman)

SUMMARY

This paper provides insights into the remote continental airspace as one of the areas of operation in PBN implementation for En-route phase of flight in the MID Region and proposes changes to the current model in Doc007.

Action by the meeting is at paragraph 3.1

REFERENCE(S)

- ICAO Doc. 9613
- ICAO MID Doc 007

1. INTRODUCTION

1.1 Remote continental airspace concept is one of the areas of operation during En-Route phase of flight currently supported by three navigation applications, **RNAV 10, RNP 4 and RNP 2**. All these navigation applications rely primarily on GNSS to support the navigation element of the airspace concept and may require ATS surveillance for certain applications.

1.2 RNP4 is not one of the navigation applications supported by MID PBN implementation plan.

1.3 The implementation of RNAV 10 (designated and authorized as RNP 10) subsist to support 50 NM lateral and the 50 NM longitudinal distance- based separation minima in oceanic or remote area airspace.

1.4 The implementation of RNP 4 subsist to support 30 NM lateral and the 30 NM longitudinal distance- based separation minima in oceanic or remote area airspace.

1.5 According to ICAO guidance martials there is no clear definition of remote continental airspace.

2. DISCUSSION

2.1 Remote continental airspace generally recognized as that airspace corresponding to the land far from the population and services as well as not available to establish CNS terrestrial infrastructure.

2.2 For the purpose of PBN Implementation planning in MID Region the Remote Continental Airspace is defined as an airspace where direct controller-pilot VHF voice communication, ATC surveillance and reliable ground-based NAVAIDs are not available.

2.3 In point of fact, it has been established that it is unlikely that the Remote Continental Airspace exists in MID Region.

2.4 Therefore, the PBN IP AD-HOC WG proposes the removal of the remote continental airspace as an area of operations in MID Region.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) discuss any relevant matters as appropriate; and
- c) agree on the proposal at Para. 2.4.
