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ICAO

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Yemen PBN Progress

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INTRODUCTION

This information paper is presenting Yemen PBN progress. Yemen is focusing to enhance the safety, efficiency and accessibility at all Yemeni airports. As well as it intends to optimize the air space management. A key strategy in this initiative is to increase reliance on PBN (RNP APCH & RNP routes).

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CURRENT PBN (RNP APCH) STATUS

A. ADEN (OYAA) intl. airport. RNP APCH (RWY 08\26)

B. SAYUN (OYSY) intl. airport, RNP APCH & STAR (RWY 07 only).

C. GHYIDAH (OYGD) intl. airport, RNP APCH & SID\STAR (RWY 08\26)

D. MOKHA (OYMK) intl. airport, RNP APCH & SID\STAR (RWY 18\36)

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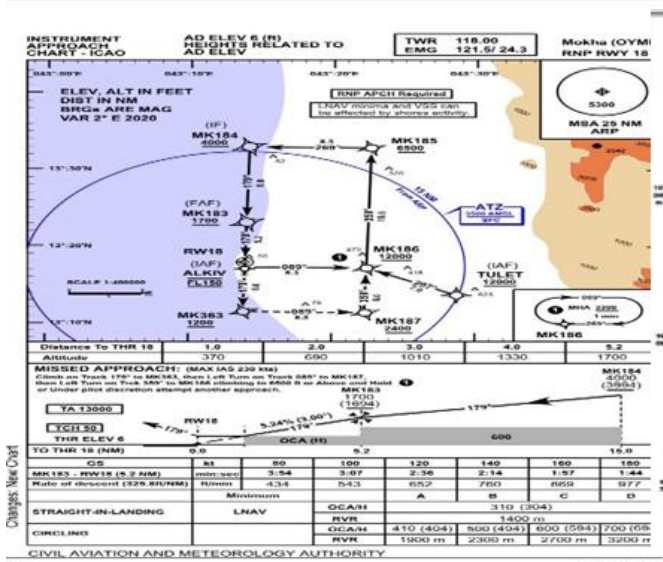
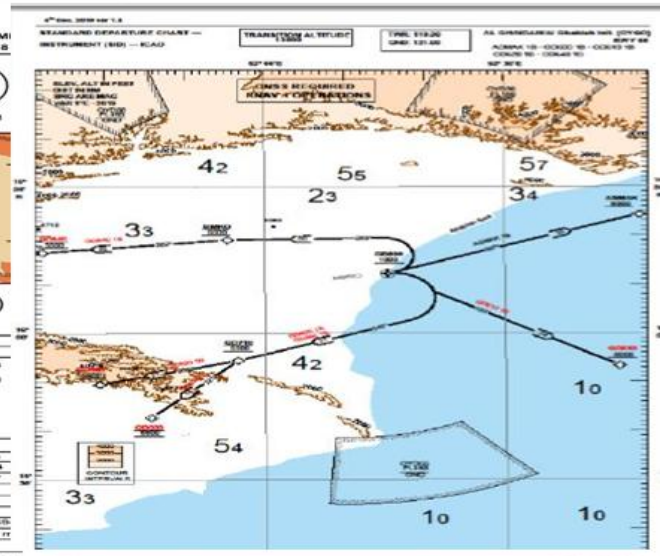
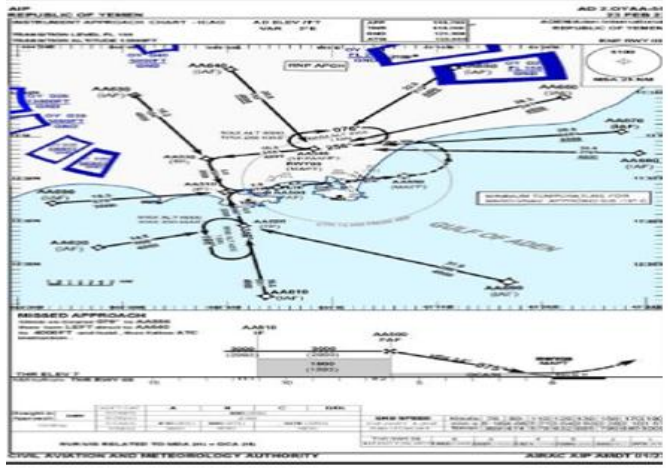
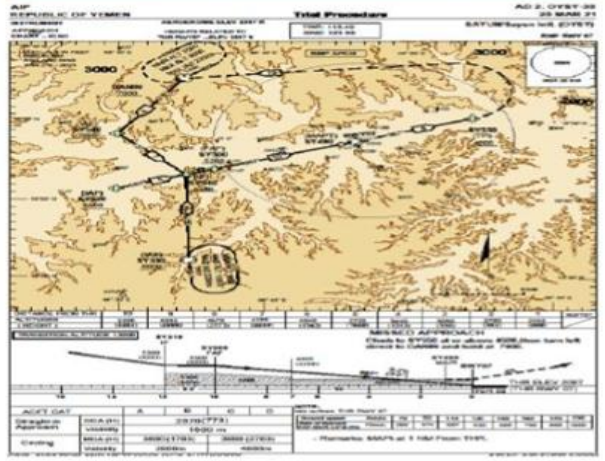
RNP APCH CHARTS OYAA, OYSY, OYMK, OYGD.









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PBN (RNP APCH) IN PROGRESS

AIRPORTS	STATUS	TARGET DATE
A.SAYUN (OYSY) intl. airport. RNP APCH &SID\STAR (RWY 07\25). B. SOCTRA (OYSQ) intl. airport, RNP APCH & SID\STAR (RWY 03\21), with TMA. C. RIYAN (OYRN) intl. airport, RNP APCH & SID\STAR (RWY 06\24). D. ATAQ (OYAT) intl. airport., RNP APCH & SID\STAR (RWY 13\31).	WGS84 Surveyed	2025-2026

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CHALLENGES

Throughout the RNP APCH Implementation, a challenge faced as follows:

- Conduct effective PBN training for ATC.

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CURRENT BPN ATS ROUTES STATUS

Yemen air space is a mixed navigation environment. RNP 5 is specified on ATS routes located west of longitude 056 00 00E and RNP10 is specified on ATS routes located East of longitude 056 00 00E within Sana'a FIR. RNP operation between FL160 and FL460 inclusive. Aircraft shall meet RNP specifications as per doc 9613.

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PBN ATS ROUTES UNDER STUDY

As per the PBN routes study, it intends to optimize the air space and develops less complex air space.

It aims for the implementation of unidirectional parallel PBN ATS routes at some hotspots particularly over high seas, aiming for smooth flow of traffic, the efficiency of flight operations and reduction of conflicts.

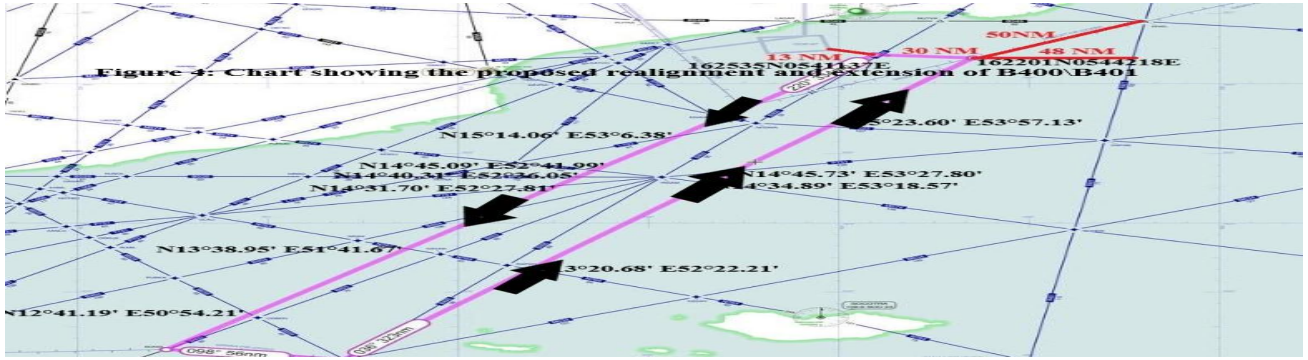

Figure 4: Chart showing the proposed realignment and extension of B400\B401

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RNP APCH & SID¥STAR

IN PROGRESS

42%

RNP APCH to be Implemented 2025\2026

58%

RNP APCH implemented

IN PROGRESS

42%

RNP STAR\SID to be implemented .

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Thank You