

International Civil Aviation Organization



**MIDANPIRG CNS/ATM/IC Sub-Group
(CNS/ATM/IC SG)**

**Sixth Meeting
(Cairo, Egypt, 31 January – 02 February 2012)**

Agenda Item 4: MID Region Air Navigation Performance Based Approach

NATIONAL PERFORMANCE FRAMEWORK FORMS

(Presented by Jordan)

SUMMARY

This paper presents the National Performance Framework Form for the Implementation of ADS-B, RNAV, GNSS, ILS Cat III, and ATFM in Jordan. The form provides information on various tasks to be completed for implementation and also provides information on the implementation schedule and status.

Action by the meeting is at paragraph 3.

1. INTRODUCTION

1.1 The Eleventh Meeting of the Middle East Air Navigation Planning and Implementation Regional Group (MIDANPIRG/11) adopted Conclusion 11/71 that is reproduced here within.

CONCLUSION 11/71 – NATIONAL PERFORMANCE FRAMEWORK

That,

MID States be invited to adopt a national performance framework on the basis of ICAO guidance material and ensure their alignment Follow up with States with the regional performance objectives, the Regional Air Navigation Plan and the Global ATM Operational Concept. The performance framework should include identification of national performance objectives and completion of national performance framework forms.

1.2 The adoption of MIDANPIRG Conclusion 11/71 contributes Conclusion 11/70 which in turn supports the ICAO planning objective to achieve a performance based global air traffic management system (ATM) through the implementation of air navigation systems and procedures in a progressive, cost-effective and cooperative manner.

2. DISCUSSION

2.1 The meeting may consider the National Performance Objectives in the CNS/ATM field in Appendix A to this working paper that are based on the current Master Plan for Jordan.

2.2 The National Performance Framework Form for the implementation of ADS-B, RNAV, GNSS, ILS Cat III, and ATFM for Jordan was developed and proposed to be reflected into the MID Region PFF.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information provided in this working paper; and
- b) reflect the National PFF provided in **Appendix A** into the MID Region PFF where possible.

APPENDIX A

MID REGION
PERFORMANCE FRAMEWORK FORM
(NATIONAL)

NATIONAL PERFORMANCE OBJECTIVE: - ENSURE AN OPTIMUM USE OF AIR SPACE

IMPLEMENTATION OF RNAV AND RNP APPROACHES

Benefits

Environment	• Reductions in fuel consumption and emissions
Efficiency	• improvements in capacity and efficiency at aerodromes
Safety	• improvements in safety at aerodromes

Strategy
Short Term (2010-2012)
Medium term (2013-2016)

ATM OC COMPONENTS	TASKS	TIME FRAME	RESPONSIBILITY	STATUS
AOM <i>(Airspace Organisation and Management)</i>	• develop Airspace Concept based on the MID PBN Implementation Plan, in order to design and implement RNP APCH APV in most possible airports; RNP AR APCH at airports where there are obvious operational needs	2011	CARC	
AO <i>(Aerodrome operations)</i>	• develop PBN implementation plans regarding Guided RNP Approaches	2011	CARC	
	• formulate safety plan (assessment and monitoring)	2011	CARC	
	• publish national regulations for aircraft and operators approval using PBN manual as guidance and considering available foreign approval material	2012	CARC	
	• system performance measuring (measurement and monitoring plan)	2012	CARC	
	• implement APV procedures	2012	CARC	
	• monitor implementation progress in accordance with MID PBN implementation roadmap and States implementation plan	2012	CARC	
Linkage to GPIs	GPI/5: performance-based navigation, GPI/7: dynamic and flexible ATS route management, GPI/8: collaborative airspace design and management, GPI/10: terminal area design and management, GPI/11: RNP and RNAV SIDs and STARs and GPI/12: FMS-based arrival procedures			
References	<ul style="list-style-type: none"> • <i>Global ATM Operational Concept (Doc 9854)</i> • <i>Global Air Navigation Plan (Doc 9750)</i> • <i>ICAO Performance-based Navigation (PBN) Manual (Doc 9613)</i> • <i>ICAO PANS-OPS Vol I and II (Doc 8168)</i> • <i>Procedures for Air Navigation Services - Air Traffic Management (PANS-ATM) (Doc 4444)</i> • <i>RNP AR Procedure Design Manual (Doc 9905)</i> • <i>Quality Assurance Manual for Flight Procedure Design Vol.I (Doc 9906)</i> 			