International Civil Aviation Organization

MIDANPIRG/23 & RASG-MID/13 Meetings

(Cairo, Egypt, 14 – 18 June 2026)

Agenda Item 5.6: ATM/SAR

UPDATE ON THE IMPLEMENTATION OF THE RAD PORTAL

(Presented by Saudi Arabia and Sultanate of Oman)

SUMMARY

This paper provides a comprehensive progress update on the Route Availability Document (RAD) Project for the ICAO MID Region to enhance regional airspace efficiency, digital integration, and cross-border coordination.

The paper also invites MID States to actively participate and integrate national requirements into the RAD framework.

Action by the meeting is at paragraph 3.

REFERENCES

- ICAO Annex 11 – Air Traffic Services
- ICAO Doc 4444 – PANS-ATM (Procedures for Air Navigation Services – Air Traffic Management)
- ICAO Doc 9426 – Air Traffic Services Planning Manual
- Regional Air Navigation Agreements
- MIDANPIRG/22 & RASG-MID/12 WP/96

1. INTRODUCTION

1.1 The Route Availability Document (RAD) has traditionally been published as an AIP Supplement in Excel format, providing routing restrictions and flight planning guidance within the MID Region. In response to increasing air traffic demand and the need for digital modernization, Saudi Air Navigation Services (SANS) initiated a comprehensive RAD Project, including the development of an advanced web-based RAD Portal to enable centralized, dynamic, and real-time route availability mana

1.2 In response to increasing air traffic demand and the need for digital modernization, Saudi Air Navigation Services (SANS) initiated a comprehensive RAD Project after alignment with ICAO MID states, including the development of an advanced web-based RAD Portal to enable centralized, dynamic and real-time route availability management.

2. DISCUSSION

2.1 Project Overview and Current Status

Since MIDANPIRG/22, progress has been made in the development of the RAD Portal, including:

- Definition of functional and technical requirements
- Development of system architecture and key capabilities
- Identification of operational dependencies and stakeholder requirements
- Initial coordination with adjacent FIR (Oman) for cross-border integration
- Oman published RAD in a link directed to an excel sheet including no difficult challenges encountered.

The portal will provide a centralized, interactive, and user-friendly platform that replaces the current static Excel-based system and enhances route planning capabilities

2.2 Regional Collaboration and Integration

Effective implementation of the MID RAD framework requires active participation from Member States. SANS has initiated coordination with adjacent FIRs and encourages broader regional engagement to ensure harmonized routing structures and seamless cross-border operations.

2.3 Implementation Roadmap

i. Short-Term:

- Completion of system development and validation

ii. Medium-Term:

- Regional stakeholder engagement and onboarding
- Training and system integration activities

iii. Pre-Operational:

- Operational readiness and system verification
- Go-Live:

iv. Deployment of the RAD Portal for regional users

2.4 Expected Benefits

Upon implementation, the RAD Portal is expected to:

- Improve air traffic flow and capacity management
- Enhance flexibility and efficiency in flight planning

- Provide real-time access to route availability and restrictions
- Enable seamless cross-border routing between Jeddah and Muscat FIR
- Strengthen regional coordination.
- Support digital transformation of airspace management

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

a) note the progress achieved in the implementation of the RAD Portal;
b) encourage MID States to continue coordination for cross-border RAD integration;
c) support the implementation of user training and stakeholder engagement activities; and
d) request ICAO MID Office and relevant working groups to facilitate regional coordination and harmonisation of RAD implementation.
e) conduct workshop with airspace users to collect feedback about the RAD Portal.

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