



International Civil Aviation Organization  
Western and Central African Office

**Fifth Meeting of the Performance Based Navigation Route Network  
Development Working Group (PRND WG/5)  
(Dakar, Senegal, 17 to 20 February 2015)**

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**Agenda Item 3: Implementation Coordination of ATS route trajectories**

**IMPLEMENTATION COORDINATION OF ATS ROUTE TRAJECTORIES**

*(Presented by the Secretariat)*

**SUMMARY**

This paper presents a list of new or amended ATS route trajectories submitted by users through the AARC for review, amendment and adoption by the meeting.

Action by the meeting is at **paragraph 3**.

**REFERENCES**

PRND WG/4

APIRG/19 Report

This Working Paper is related to Strategic Objective: **A and B**

**1. INTRODUCTION**

1.1 The Forth Meeting of the PRND Working Group (PRND WG/4) convened in Nairobi, Kenya, 1-3 April 2014 considered over 70 new route proposals from users to support airspace optimization and PBN implementation in the AFI Region, taking into consideration the AORTA concept as endorsed by the APIRG/19 Meeting. Due to various challenges, not all the trajectories were implemented.

**2. DISCUSSIONS**

2.1 The PRND WG/4 meeting agreed that the development of new ATS route trajectories should be executed in a coordinated manner, involving both users and States/ANSPs in order to support safe and efficient operations from end to end. The Group also endorsed a coordinated approach in identifying old route trajectories that are no longer in use for deletion in the AFI Air Navigation Plan (Doc 7474), with the objective of removing unnecessary clutter.

2.2 The PRND WG/4 meeting also highlighted on the need for States/ANSPs to conduct safety assessments and training of ATC staff prior to publication and usage of new or amended trajectories, in accordance with the provisions of Annex 11 to the Chicago

Convention.

2.3 The meeting will recall that the PRND Working Group had agreed on the following methodology for communication between States in adjacent FIRs when coordinating the harmonized implementation of new of amended trajectories:

- a) email correspondence, backed up by telephone as necessary;
- b) teleconferences;
- c) opportunities for side-meetings convened when attending other programmed regional activities (seminars, workshops, symposia, meetings, etc.); and
- d) specific coordination meetings involving concerned States, if all of the above are considered ineffective.

2.4 A list of new ATS route proposals for consideration and review by the PRND WG/5 is appended at **Appendix A** to this working paper. To enable their early implementation and usage, the proposed trajectories will be provided with 'temporary' route designators by the Secretariat. The ATS route proposal will subsequently be processed by the Secretariat through a *Proposal for Amendment (PfA) of the AIR Navigation Plan*, which includes circulation for comments by a wider scope stakeholder within and outside the AFI Region. Following comments by stakeholders, the route proposals will be presented to the President of the ICAO Council for consideration as part of the regional route network with appropriate RNAV route designators.

### 3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review the ATS routes proposed through the AARC at **Appendix A** to this working paper:
  - i.) confirm the feasibility of each trajectory
  - ii.) provide geographical coordinates in each FIR and agree on coordinates at FIR crossing points
  - iii.) for associated waypoints from end to end;
- b) coordinate implementation of the routes, particularly across FIR boundaries;
- c) agree on harmonized AIRAC dates for implementation;
- d) request State to:
  - i.) review and update LoPs as appropriate to incorporate new transfer points, among others; and
  - ii.) publish the availability of the new and amended ATS routes at the agreed AIRAC dates; and

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