



**INTERNATIONAL CIVIL AVIATION ORGANIZATION**

**AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP  
NINETEENTH MEETING (APIRG/19)  
(Dakar, Senegal, 28 to 31 October 2013)**

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**Agenda Item 3: Performance Framework for Regional Air Navigation Planning and Implementation**

**3.2 Air Traffic Management/Search and Rescue (ATM/SAR)**

**STATUS OF AFI FLIGHT PROCEDURE PROGRAMME (AFI-FPP)  
IMPLEMENTATION**

*(Presented by the Secretariat)*

SUMMARY	
This paper presents a summary of the status of AFI-FPP Implementation.	
Action by the meeting is at paragraph 3.	
<b>REFERENCES:</b> Assembly Resolution A37-11, October 2010 State Letter AN 11/45.2.1-13/18, 28 February 2013	
<i>Strategic Objective(s)</i>	This Working Paper is related to Strategic Objectives: A, B & E

**1. INTRODUCTION**

1.1 In October 2010, the ICAO Assembly adopted Resolution A37-11 related to Performance-Based Navigation global goals. This Resolution replaced Assembly Resolution A36-23.

1.2 The AFI Flight Procedure Programme has been established by ICAO for all the States in AFI Region, in accordance with the recommendation of the ICAO Special Regional Air Navigation Meeting of 2008. Its initial duration is 3 years and the Office location is Dakar, Senegal.

1.3 A Letter of Intent was signed in November 2012 by ASECNA, ICAO and DGCA, France to establish Flight Procedure Programme for the AFI Region.

1.4 A State letter was sent in February 2013 by the Secretary General to announce the launch of the AFI Flight Procedure Programme Office during the year 2013 in Dakar, Senegal. The objectives of the Programme were presented and a questionnaire to be completed by States was attached to the State letter.

1.5 The AFI Flight Procedure Programme was presented at the ATM/AIM/SAR SG/13 meeting, held in Nairobi, Kenya, from 16 to 19 September 2013.

## 2. DISCUSSION

2.1 The aim of the AFI Flight Procedure Programme is to provide support to improve safety and efficiency of procedures in Africa in developing specific attention to PBN procedures in terminal and approach areas. Airspace and procedure design techniques are used to facilitate benefits to PBN.

2.2 The AFI Flight Procedure Programme is a non-profit programme of excellence in the field of PBN implementation, supported by ICAO.

2.3 Concerned aspects of PBN implementation are aeronautical data collection, airspace and PBN procedure design, safety case, quality assurance, operational validation, regulatory process approbation by civil aviation authorities, PBN procedure operational training for ATC/ATM personnel, operational approval for aircraft operators and design of PBN procedures on States' request.

2.4 The AFI Flight Procedure Programme is building its capacity to provide assistance, support and training related to the Programme activities.

2.5 The activities are developed in workshops/seminars and training sessions, which will be organized in Dakar, Nairobi and any other location in Africa as needed, under the responsibility of the AFI Flight Procedure Programme Office and conducted by the AFI Flight Procedure Programme team and external experts from partners when needed.

2.6 The contents for the activities are approved by ICAO Air Navigation Bureau and States' regulatory authorities.

2.7 The qualification obtained after participation in a training session provided by the AFI Flight Procedure Programme office has to be approved by regulatory authorities.

2.8 In case of assistance or support action to a State, the process has to be approved by the State regulatory authorities.

2.9 All activities are determined in reference to ICAO provisions and PBN documents published by ICAO.

2.10 The resources to launch the AFI Flight Procedure Programme were provided by ASECNA and French Civil Aviation Directorate (DGAC).

2.11 The Civil Aviation Administrations of the AFI Region are now invited to participate actively in the AFI Flight Procedure Programme by providing in-kind contributions in experts' secondment or making financial contributions whose annual amount has to be determined.

2.12 The human resources for the AFI Flight Procedure Programme Office are defined in the letter to States AN 11/45.2.1-13/18 dated 28<sup>th</sup> February 2013, as follows:

AFI-FPP Manager, Chief procedure designers, Chief operational training, aeronautical data specialist, procedure designers, procedure designer instructors, administrative support and Information Technology staff.

2.13 AFI-FPP Manager was appointed by ICAO. The Chief procedure designers will be seconded by ASECNA. Administrative support and Information Technology staff will also be seconded by ASECNA. All other human resources will have to be seconded to AFI Flight Procedure Programme by participating States.

2.14 The Experts will be procedure designers, procedure designer instructors and specialists in the domains defined in paragraph 2.12 above. Experts' job descriptions will be provided by AFI Flight Procedure Programme Office. The selection of experts will be done in coordination between AFI-FPP Manager and Civil Aviation Authorities.

2.15 The activities of the experts based in Dakar or in their countries, are carried out under the responsibility of the AFI-FPP Manager.

2.16 State financial contribution includes participation fee to training sessions and partial costs for procedure design and related activities.

2.17 Other partners from aviation community or involved in aviation safety improvement are welcome for participation and financial and/or logistical support. These partners are economic communities, financial organizations, airline organizations, aircraft operators, aircraft manufacturers, aeronautical data providers and other organizations or private companies involved in aeronautical domains.

2.18 AFI Flight Procedure Programme Office activities requiring financial support are organization of seminars/workshops and training sessions, aeronautical data provision, procedure design, regulatory process for procedure approbation training sessions, ATC/ATM staff operational training sessions, procedure operational validation training sessions and operational approval for aircraft operators.

2.19 Workshops will be organized in early 2014 and will be held in Dakar (ICAO WACAF Regional Office) and Nairobi (ICAO ESAF Regional Office). The agenda will include the AFI Flight Procedure Programme Office support and assistance activities, the detailed contents for the training activities, and Action Plan for year 2014. The sessions will be presented with the participation of experts from external partners supporting the AFI-FPP.

2.20 The following possible participants and partners will be invited to the workshop: Civil Aviation Authorities and Air Navigation Service Providers, Economic communities and financial organizations, Airlines, Airport and Air Navigation organizations and operators, Aircraft manufacturers, Air traffic controllers and pilots associations, Organizations and private companies involved in aviation safety improvement.

2.21 The initial activities in the 2014 Programme will include:

- Integration of seconded personnel;
- Determination of needs and demands and plan of action for participating States;
- Planning for training activities;
- Planning for PBN procedures to be designed by AFI-FPP; and
- Development of a Web page under WACAF and ESAF websites.

2.22 In this regard, the following draft conclusion is proposed to the meeting.

**DRAFT CONCLUSION 19/XX: STATUS OF AFI FLIGHT PROCEDURE PROGRAMME  
(AFI-FPP)**

**That:**

- i. States be invited to participate actively in the AFI-FPP activities by providing financial and/or in-kind support.
- ii. States be invited to express their needs for PBN procedure design.

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) note the information contained in this working paper; and
- b) agree on the draft conclusion in paragraph 2.22 above.

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