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International Civil Aviation Organization  
African Flight Procedure Programme

**10<sup>th</sup> Meeting of the African Flight Procedure Programme Steering Committee**  
(Dakar, Senegal, 19 to 21 November 2024)

**Agenda Item 4: Project terminal report**

**Working Paper 4.5: Assistance activities**

(Presented by the Secretariat)

**EXECUTIVE SUMMARY**

This paper reports on the assistance activities conducted by the Programme during its Phase III, in line with the approved work programmes. Projection on the first six (6) months of 2025 is captured.

**Action by the meeting is indicated in section 3.**

**REFERENCES**

Phase III project document  
Steering Committee meetings' deliberations

**1. INTRODUCTION**

- 1.1 As outlined in the Project Phase III document, “The Programme objective is to assist States to develop sustainable capability in the instrument flight procedure (IFP) domain so as to meet their commitments under Assembly Resolution A37-11 for Performance Based Navigation (PBN) implementation and their obligations for the quality of their IFPs. This will be accomplished through training, assistance with quality assurance, procedure design and access to IFP-related automation solutions.
- 1.2 The project objective and activities are detailed in Section 2 of the Project document. Capacity building activities relate to the provision of trainings and workshops while assistance deals with conduct of flight procedure design projects or any assistance which might be requested by project members.
- 1.3 This paper provides a follow up of the activities conducted by the Programme during its Phase III.



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## 2. DISCUSSION

2.1 In order to address PANS-OPS related issues and problems identified by the Steering Committee, work programmes were approved each year (2022, 2023 and 2024). Phase will end on 31 July 2025, but the last approved work programme only addressed 2024. Projections are therefore provided for the two first quarters of 2025.

- a) Training/capacity building
- b) Flight procedure design projects
- c) Assistance with the development of national PBN implementation plans;
- d) Regulatory oversight, and
- e) Other related associated assistance as it may be required.

## 2.2 Trainings and capacity building

2.2.1 During Phase III, seven-teen (17) trainings and workshops were conducted for the benefit of four hundred and one (401) trainees from 30 Project member States and organizations. The detail is provided below. Active member benefitted from these training free of charge.

<b>Training /Workshops</b>	<b>#</b>	<b># Trainees</b>	<b># States/Org.</b>
PANS-OPS flight procedure design initial training courses	3	64	11
PBN flight procedure design training courses	3	48	12
PANS-OPS design training courses for Civil Aviation Authorities	1	15	7
Workshop on the prevention and resolution of USOAP CMA Air Navigation Services (ANS) related Significant Safety Concerns (SSC)	1	59	20
PANS-OPS flight Procedure Design Refresher Training Course	1	12	3
Quality assurance workshops	1	22	12
PBN airspace design workshops	2	36	14
National PBN implementation plan workshops	1	23	12
Instrument Flight Procedure Concept of operation training	3	83	3
PBN awareness training	2	78	2
Instrument Flight Procedure Concept of operation training	3	101	5
	<b>21</b>	<b>541</b>	<b>35</b>

2.2.2 The meeting should extend deep thanks to Kenya (KCAA and EASA), the Ghana civil Aviation Training Academy, the Cameroon Civil Aviation Authority (CCAA) and the Civil Aviation Authority of Côte d'Ivoire which have accepted to host the event and sometimes provide the catering.

## 2.3 Flight procedure design projects



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- 2.3.1 Even if the main goal of the Project is not flight procedure design, AFPP supports States and organizations without flight procedure design and charting capabilities to meet their commitment under ICAO PANS-OPS related obligations. This is also beneficial for the AFPP PANS-OPS instructor who can improve their teaching performance by relating the theory to the practices.
- 2.3.2 As shown in the table below, during Phase III, 153 flight procedures were designed or are being designed in 12 aerodromes for the benefit of seven (7) States, using African national expertise.
- 2.3.3 As shown in the table, some of the projects are still pending completion.



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#	Aerodrome	# Flight procedures	Beneficiary States	Status
1.	Praia	18	Cabo Verde	Completed and published
2.	Sal	23	Cabo Verde	Completed and published
3.	Belabo	2	Cameroon	Completed
4.	Dompta	1	Cameroon	Pending
5.	Maroua	40	Cameroon	Pending
6.	Sikhuphe	7	Eswatini	Pending
7.	Banjul	15	Gambia	Completed and published
1.	Robertsfield	25	Liberia	Completed and published
2.	Arlit	7	Niger	Completed but not published
3.	Sao Tome	15	Sao Tome and Principe	Pending
Total		153	7	

### 2.4 Assistance in the development of national PBN implementation plans

2.4.1 Assistance was still provided to States for the development or the revision of their national PBN implementation plans through a workshop conducted in September 2024, in Dakar, Senegal. This assisted States to correctly align their NPIPs with the ICAO template and also make them more robust. Unfortunately, States that have not yet issued their NPIPs don't attend these workshops.



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### 2.4.2 The implementation rate of the NPIPs

- Total number of States : 54
  - ☞ States with NPIPs : 44 (81%)
    - ESAF : 18 (75%)
    - WACAF : 22 (92%)
    - EURNAT : 3 (100%)
    - MID : 1 (33%)
- Pending NPIP : 10 (19%)
  - Burundi
  - Central Af. Republic
  - Djibouti
  - Egypt
  - Eritrea

- Eswatini
- Guinea Bissau
- Lesotho
- Libya
- South Sudan

2.4.3 Dedicated assistance was provided to Togo for the revision of their NPIP and to Eswatini for the development of their NPIP.

### 2.5 Regulatory oversight

2.5.1 Support was provided to nine (9) States on regulatory oversight. The details are provided below.

#	Beneficiary	Assistance activities
4.	Liberia	<ul style="list-style-type: none"> <li>• Development of a corrective action plan (CAP) for the resolution of a PANS-OPS related Safety Significant Concern (SSC)</li> <li>• Review of the CAP</li> <li>• Approval and publication of instrument flight procedures</li> </ul>
5.	Sierra Leone	<ul style="list-style-type: none"> <li>• Preparation of an ICAO USOAP CMA audit</li> </ul>
6.	Angola	<ul style="list-style-type: none"> <li>• Approval of instrument flight procedures</li> </ul>
7.	DRC	<ul style="list-style-type: none"> <li>• Development of a corrective action plan (CAP) for the resolution of a PANS-OPS related Safety Significant Concern (SSC)</li> </ul>
8.	Côte d'Ivoire	<ul style="list-style-type: none"> <li>• Closing of a PANS-OPS related SSC with the delivery of a required training</li> </ul>
9.	Zimbabwe	<ul style="list-style-type: none"> <li>• Assistance for the resolution of a PANS-OPS related SSC</li> </ul>
10.	Namibia	<ul style="list-style-type: none"> <li>• Ground validation of instrument flight procedures</li> <li>• Approval of instrument flight procedures</li> </ul>
11.	Guinea	<ul style="list-style-type: none"> <li>• Preparation of an ICAO USOAP CMA audit</li> </ul>
12.	Sao Tome	<ul style="list-style-type: none"> <li>• Flight validation of instrument flight procedures (IFP)</li> <li>• Approval of IFP</li> </ul>

### 2.6 Other related assistance as it may be required.

2.6.1 Dedicated assistance was provided on request to four (4) project members including 6 six activities.



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#	Beneficiaries	Assistance activities
	Kenya	Preparation of a joint IFPD offer (KCAA-AFPP)
	ASECNA	Validation of ILS Cat. II flight procedures of Kigali, Rwanda Validation of the CCO/CDO procedures of Diass, Senegal
	ANA Conakry, Guinea	Impact studies of the relocation of the Localizer in Conakry Obstacles impact studies following the conduct of a WGS-84 survey
	SODEXAM Côte d'Ivoire	Validation of the ILS approach IFP of Bouaké
<b>4</b>		<b>6</b>

### 3. ACTION BY THE MEETING

#### 3.1 The Steering Committee is invited to:

- a) take note of the information provided in this paper;
- b) take note of the continued availability of the Programme to assist members for all PANS-OPS related matters.
- c) Approve the conduct of the Programme Phase IV in order to grant the completion of the ongoing project and pursue the capacity building of national experts;

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