



Twenty-Sixth Meeting of the AFI Planning and Implementation Regional Group (APIRG/26) and the Ninth Meeting of Regional Aviation Safety Group (RASG-AFI/9)
Cotonou, 6 – 10 November 2023

Agenda Item 3: Implementation of air navigation goals, targets and indicators, including the priorities set in the regional air navigation plan

3.6: Other Air Navigation Initiatives

Update on the African Flight Procedure Programme (A-FPP)





1 African-FPP at a glance

2 Achievements

3 Challenges

4 Opportunities

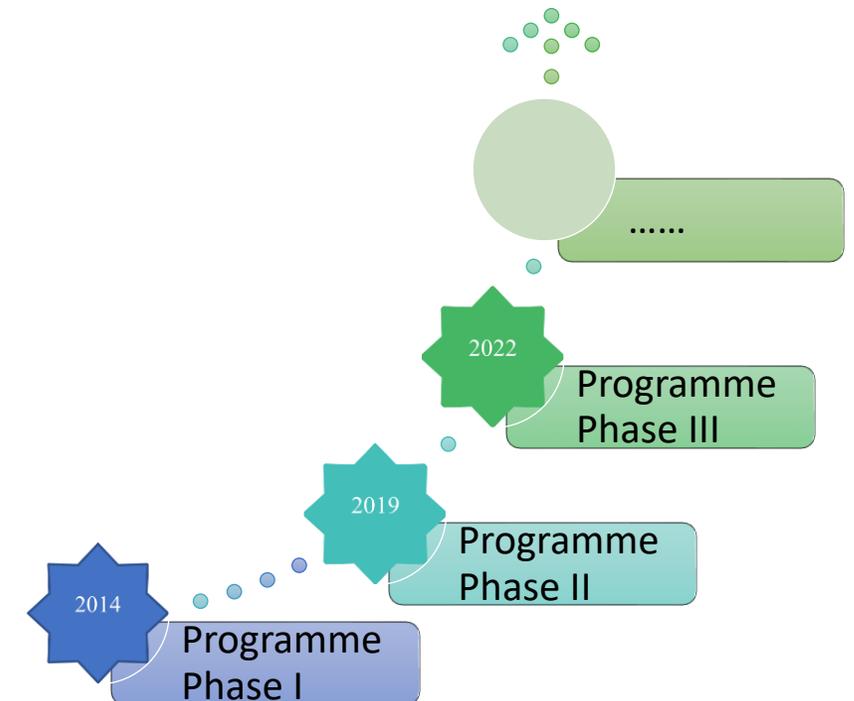
5 Action by the meeting



African-FPP at a glance

African Flight Procedure Programme (AFPP)

- ❑ **Programme Objective:**
 - ☞ Foster PBN implementation in Africa in accordance with Assembly Resolution A37-11 (PBN goals).
- ❑ **Operating concept:**
 - ☞ Assist African States/Organizations to address PANS-OPS related issues:
 - **Development of in-house capability;**
 - Focus on PBN flight procedures, quality assurance.
 - Development of instrument flight procedures;
 - Provide a vehicle to improve flight procedure design process through access au automated solutions.
- ❑ **Source of the Programme budget (income):**
 - ☞ Annual financial subscriptions (USD10 000/ year)
 - ☞ Tuition fees (non-active members);
 - ☞ Products and services (Design projects, etc.).





Types of membership vs related commitments and privileges

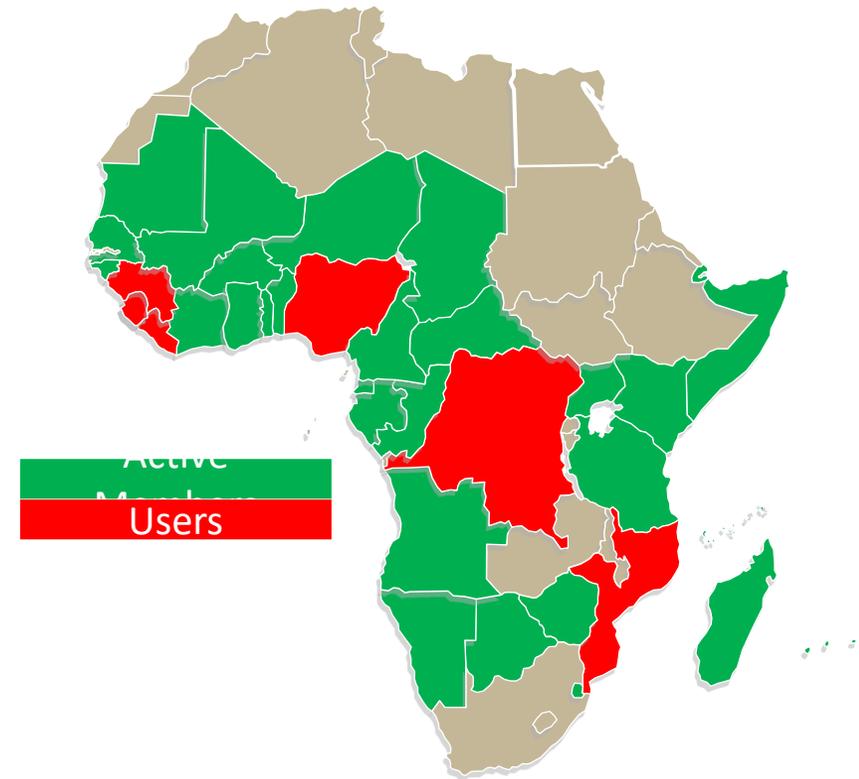
Type of membership	Commitments	Privileges
Cooperating agencies	• -	• One (1) voting right (AFCAC)
Implementing agencies	• -	• Four (4) voting right (ESAF, WACAF, MID, EUR/NAT)
Host Administration	• Hosting of the Programme	• Free participation in the trainings /workshops free • Discounted rate for the services • One (1) voting right (ASECNA)
Active Members	• Annual financial subscriptions • [Secondment of experts]	• Free participation in the trainings /workshops free • Discounted rate for the services • One (1) voting right (per member)
Users	• -	
Donors	• Financial contributions • In-kind contributions	• Free participation in the trainings /workshops free • Discounted rate for the services • One (1) voting right (per member)

Membership status:

- ☞ # AFI States : 48
- ☞ Member States/Organizations: 36 (75%):
 - Active members : 28;
 - User Members : 8.
- ☞ Implementing agencies (5):
 - WACAF, ESAF, MID, EUR/NAT, CDI
- ☞ Cooperating agencies (01):
 - AFCAC
- ☞ Donors : 8
 - ASECNA, Airbus, France, Kenya, Côte d'Ivoire, Ghana, Cameroon, Tanzania.

Important note:

- ☞ Active members in arrears with their annual financial contributions for more than 3 years are demoted as Users and lose all privileges attached to active membership.





Since 2014

45 Trainings and workshop conducted:

- PANS-OPS initial courses : 06
- PBN Flight Procedure Design courses : 06
- PBN airspace design workshops : 06
- On-the-Job-Trainings : 11
- PANS-OPS training for CAA : 04
- Quality assurance workshops : 04
- PBN awareness trainings : 02
- National PBN plan development Workshops : 02
- AFI FPP implementation workshop : 01
- Data origination workshop : 01
- Flight Validation Pilots Trainings : 02
- PANS-OPS refresher training courses : 01
- PANS-OPS CONOPs training : 05
- PBN operational approval workshops : 03

54 Trainings & workshops for 1032 experts from 40 States



Since 2014

Many assistance activities provided to States/Organizations in various fields:

- National PBN Implementation Plans (NPIP) development:
- Instrument flight Procedure Design and Charting
- Chart publication
- Flight procedure regulatory approval
- PANS-OPS Concept of Operation training
- Assistance for the preparation of ICAO USOAP CMA audits (PANS-OPS)
- Assistance for the development of Corrective Action Plans (PANS-OPS related)
- Assistance for the implementation of CAPs
- Airspace Design

All members States and organizations have benefitted from at least one of these



Flight procedures designed by the Programme

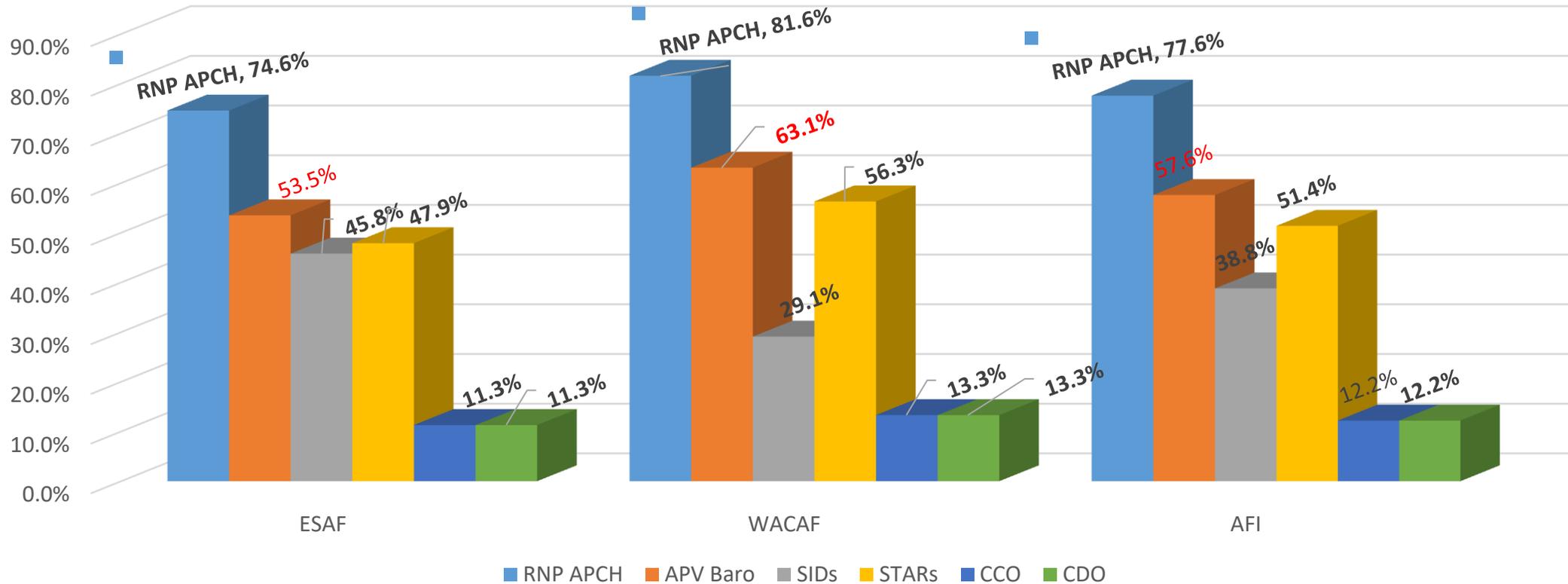
☐ **Xx flight procedures designed and charted:**

- Local charts : 30
- Instrument approaches Procedures : 134
- Z standard arrival routes (STARs) : 104
- W Standard departure : 89
- Omnidirectional departures : 12

369 flight procedure designed for the benefit of 12 States and Organizations



PBN implementation status in the AFI Region



States in urgent need for PBN implementation (0% implementation rate)

❑ Let's apply the No Country is left behind initiative to bring these States on top!

- 👉 Eswatini;
- 👉 Sao Tome and Principe;
- 👉 Liberia;
- 👉 Burundi;
- 👉 Zimbabwe.



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❑ Programme sustainability challenges:

- ☞ Lack of financial resources as many active members don't pay their annual subscriptions; as a consequence:
 - Impossible to recruit the staff;
 - High rate of experts turnover;
 - Lack of automated aeronautical charting solution.

❑ PANS-OPS related shortcomings:

- ☞ Absence or obsolete WGS-84 implementation;
- ☞ Navaid periodic calibration;
- ☞ Maintenance of the instrument and visual flight procedures;

❑ PANS-OPS related shortcomings (ctd'):

☞ Inadequate PANS-OPS oversight system:

- Insufficient legislation to address all PANS-OPS issues;
- Practices differing from existing legislation;
- Lack of PANS-OPS experts; and
- Lack of expertise to oversee instrument flight procedure approvals.

❑ As a result, (potential) Safety Significant Concerns (SSCs) reported following the ICAO USOAP CMA activities

□ Change in the Programme governance document:

☞ In order to ease its revisions and to align it with similar ICAO programmes, the Programme Document is now structured into two parts:

- The Programme document (Prodoc) with an annex:
 - Prodoc is available for all participants right now or later **right now** or later.
- The Management Service Agreement (MSA)
 - Programme members shall sign the MSA **right now** or later, to confirm their membership;
 - Prospective members can sign the MSA, **right now** or later.



□ Capacity building through trainings and workshops:

- ☞ Refer to the AFPP web page for the 2024 work programme (training portfolio) as approved by the Steering Committee:
 - <https://www.icao.int/WACAF/African-FPP/Pages/AFPP-SC9.aspx>

□ Shortest and cheapest way to:

- ☞ Build or enhance national experts' capabilities in PANS-OPS domains;
- ☞ Avoid or clear PANS-OPS related Safety Significant Concerns and save resources and time;
- ☞ Fully comply with the ICAO recommendations on PBN (AR 37-11) and some of the ASBU modules (APTA-B0/4 (CDO), APTA-B0/5 (CCO) and APTA-B0/5 (PinS)).



Action by the meeting

African Flight Procedure Programme (AFPP)

- ❑ The meeting is invited to:
 - ☞ Take note of the challenges facing the region;
 - ☞ Request States to make optimum use of the AFPP portfolio and resources to address these challenges;
 - ☞ Urge active members in arrears to take appropriate actions to clear them and avoid being demoted as user members;
 - ☞ Take note of the change in the governance document and sign the MSA,

North American
Central American
and Caribbean
(NACC) Office
Mexico City

South American
(SAM) Office
Lima

ICAO
Headquarters
Montreal

Western and
Central African
(WACAF) Office
Dakar

European and
North Atlantic
(EUR/NAT) Office
Paris

Middle East
(MID) Office
Cairo

Eastern and
Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Office
Bangkok

Thank you

