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Fifth AFI Aviation Week

Fifth AFI Safety Symposium

Evolution of the African Flight Procedure Programme (AFPP)

Mr. Prosper Zo'o Minto'o, Deputy Regional Director, ICAO Western and Central African Office

Niamey,
16 July 2018



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The African Flight Procedure Programme (AFPP)

A regional, sustainable programme

- Centre of Excellence
- Launched in June 2014
- Hosted by ASECNA in Dakar, Senegal
- Supported by ICAO Headquarters, ESAF & WACAF Regional Offices
- Supported by AFCAC, DGAC France, AIRBUS
- Seconded experts by African States
- Funded by African States



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Objectives

To Support Performance-Based Navigation (PBN) Implementation through Capacity Building in Africa

- Assembly Resolutions A36-23, A37-11
- ICAO Special AFI RAN 2008

Stakeholders

Beneficiaries	ICAO	Donors	Technical Partners
<ul style="list-style-type: none">• African States• Active Participating States (APS)• User States (US)	<ul style="list-style-type: none">• Regional Offices• Headquarters• ANB• TCB	<ul style="list-style-type: none">• States: Cote d'Ivoire, France, Ghana, Kenya, Tanzania• ASECNA• AIRBUS	<ul style="list-style-type: none">• AFCAC



Expected Outcome of the Programme

- **Enhanced Capacity in Flight Procedure and Airspace Design, and regulatory approvals**
 - as evidenced by implementation and training accomplished.
- **Operational improvements**
 - Increased number of PBN procedures implemented and published in AIPs;
 - Increased number of approved local carriers for PBN operations;
 - Demonstrated evidence for improved safety and efficiency of flight operations.



Institutional Framework

- Establishment of the AFPP t was supported by
 - Signing of the Letter of Intent for the African FPP by ICAO, ASECNA and DGAC France on 20 November 2012.
 - Signing of Programme Document by ICAO and ASECNA (Host Administration)
- Participating States: Any State having signed the Programme Document.
- Active Participating States (APS): Participating Members that commit to funding the programme by means of an annual financial contribution.
- User States: Participating Members who are not APS.
- Donors: non-Participating States supporting the AFPP through secondment of expert and/or provision of equipment, funds, etc. (Cote d'Ivoire, France, Ghana, Kenya, Tanzania)



France

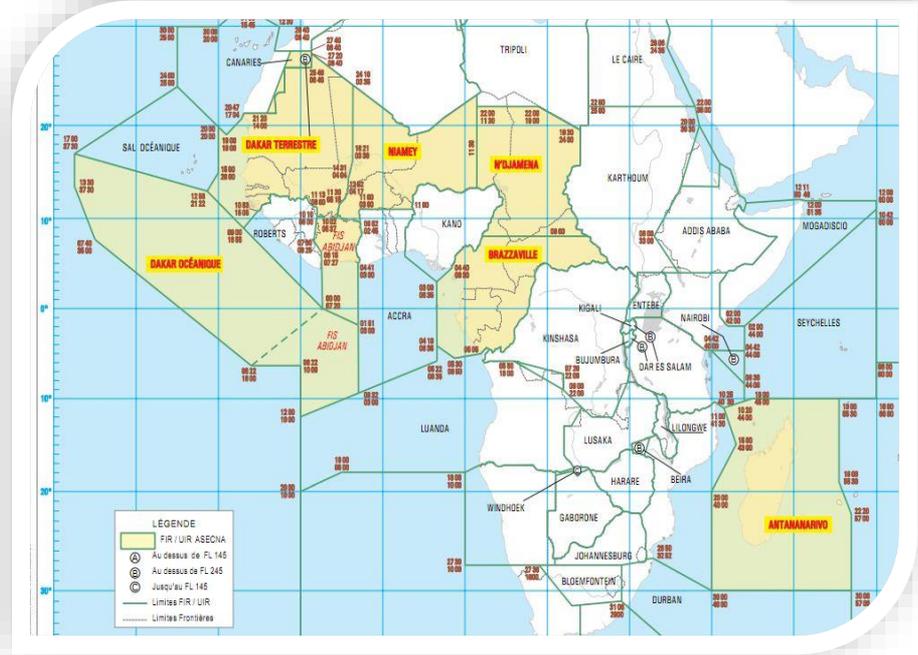
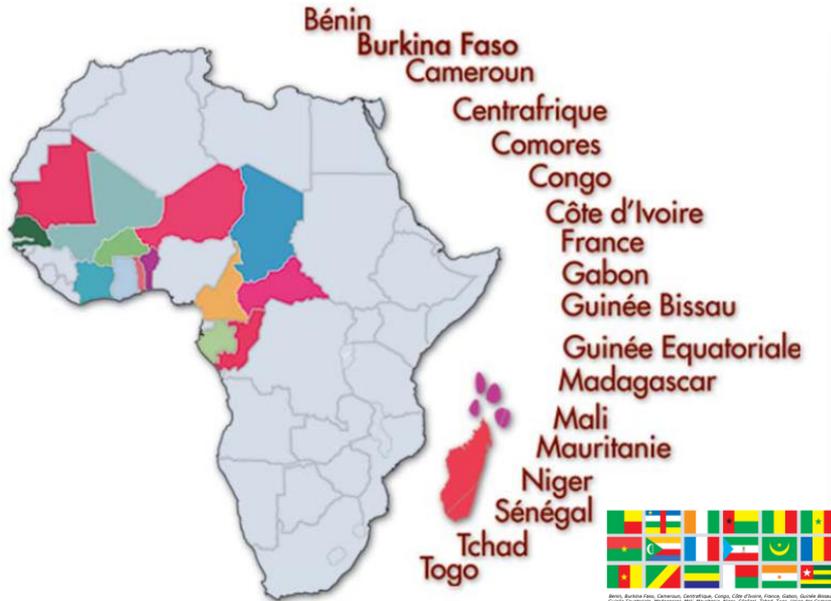
Commitments and achievements for AFPP Phase I include:

- AFPP Manager's salary July 2013/June 2017;
- 5 licences of Géotitan Automated Procedure Design Software and associated tools;
- Géotitan and associated tools Training (4 experts);
- ENAC Training "PANS –OPS Flight Procedure Design Initial Course" (12 people);
- ENAC Training "PBN Procedure Design Instructor Course" (3 experts);
- ENAC Training "Procedure Designers Course" in Dakar (8 experts).
- Total contribution is evaluated to 950000 Euros.



ASECNA – Host Administration

(Agency for the Safety of Aerial Navigation in Africa and Madagascar)





ASECNA – Host Administration

- Suitable office space and furniture including maintenance and repairs;
- Computer equipment and Information Technology equipment ;
- Procedure design and charting equipment ;
 - ASECNA PANS-OPS Office and AFPP mutually perform Quality Control of their designed IFPs to validate the delivered products
- Suitably equipped facility for African FPP training courses;
- Transportation between the Programme office and supporting facilities.
- Operating and maintenance expenses related to the office facility





AFPP Phase I, 2014/ 2017

Membership

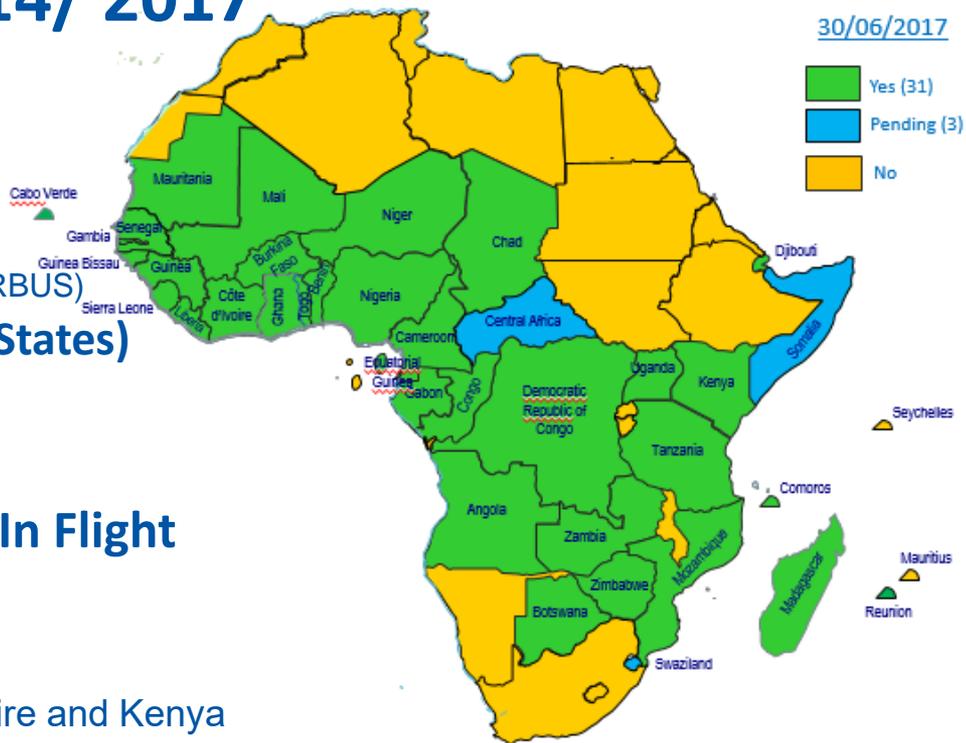
- 31 African States (APS/US/Donors)
- Steering Committee
 - States, ASECNA, AFCAC, Donors (France, AIRBUS)

Programme budget (Funded by African States)

- Annual Contribution: 10,000 USD
- Flight procedure design projects

Team composed of seconded experts In Flight Procedure design

- Manager (France until June 2017)
- Other experts: ASECNA, Tanzania, Cote d'Ivoire and Kenya
- Additional expertise provided by AIRBUS, France and ICAO





Achievements during AFPP Phase I (2014/2017)

Workshops

42 African States

- National PBN Plans
- Quality Assurance for Flight Procedure Implementation
- PBN Airspace Design
- PBN for ATC/ATM
- Aeronautical Data Origination

Training Courses

22 States/Organizations

- Conventional and PBN IFPs: **25 experts**
- PBN OPS Approval: **90 experts**
- On-the-Job-Training for Flight Procedure Design: **5 experts**



Achievements during AFPP Phase I (2014/2017)

Assistance

- National PBN Implementation States: **9 States (39 African States)** developed their Plans)
- Instrument Flight Procedures implementation: **7 States**
- **35 Conventional and 47 PBN flight procedures in 5 States / 16 airports**
- **AIRBUS Showcase**, Global PBN Implementation Project **in Sierra Leone, Guinea and Liberia**
- ICAO/EU CO₂ emission reduction project, CCO/CDO implementation at Libreville and Ouagadougou airports
- Project to improve Aviation Safety Oversight in DRC



AFPP Phase II, 2018 / 2020

Objectives

- To continue Capacity Building of African States in PBN flight procedure implementation

Team composed of seconded experts in FPD

- ASECNA Host Administration
- Programme Manager supported by the AFPP budget (being recruited by ICAO)
- Permanent seconded experts in Dakar, Senegal: ASECNA, Tanzania
- Seconded experts to conduct activities: ASECNA, Ghana, Kenya (Cote d'Ivoire)

Continued Partnership with Donors

- France, AIRBUS, States, Organizations

Programme Budget

- Incomes
 - Annual Contribution: 10,000 USD
 - Flight Procedures Design
- Expenses
 - Programme Manager's salary
 - Allowances to experts



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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) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok



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