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# African Flight Procedure Programme (AFPP)

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Cairo, Egypt  
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# The African Flight Procedure Programme (AFPP)<sup>AFPP</sup>

- A regional, sustainable programme
  - Centre of Excellence
  - Launched in June 2014
  - Hosted by ASECNA in Dakar, Senegal
  - Supported by ICAO Regional Offices in Africa (ESAF, EUR/NAT, MID and WACAF) and ICAO HQ
  - Supported by AFCAC, DGAC France, AIRBUS
  - Seconded experts by African States
  - Funded by African States





## AFPP Phase I, June 2014/ November 2017

### AFPP Objectives

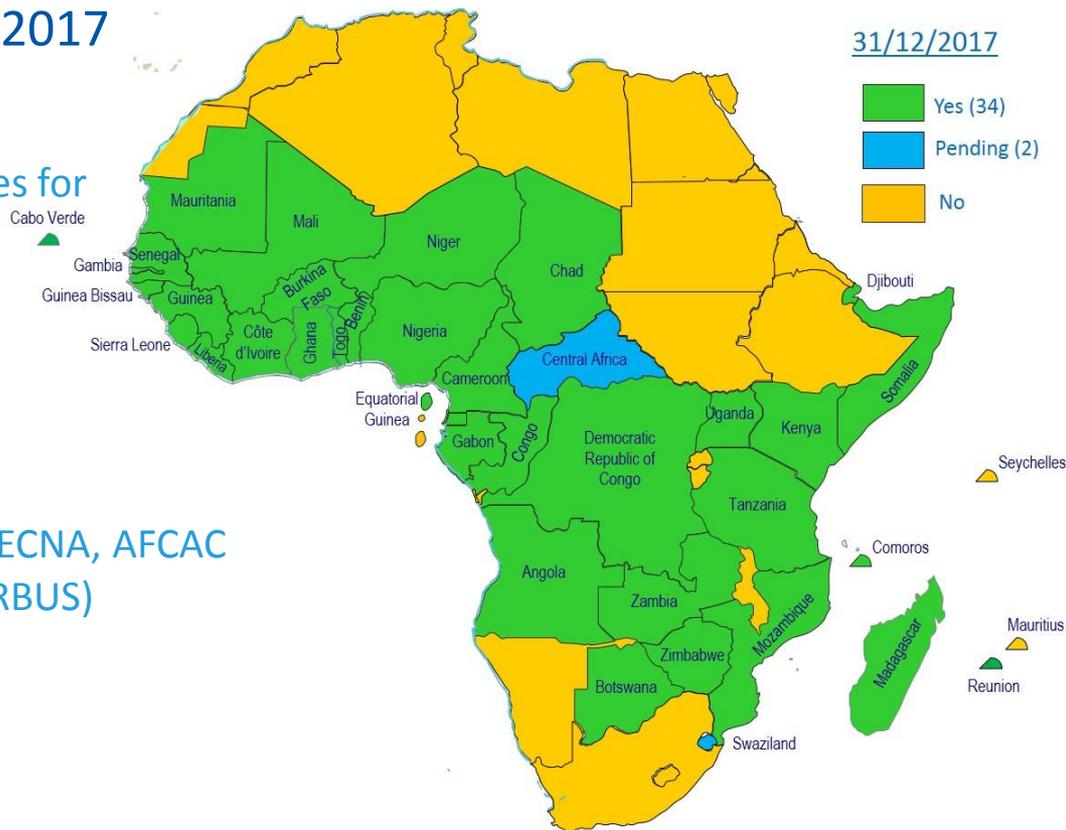
- Develop African States internal capabilities for PBN implementation
- Meet ICAO Assembly General and African PIRG meeting resolutions

### 34 African State Members (APS/US)

- Steering Committee: APS Members + ASECNA, AFCAC Donors (France, AIRBUS)

AFPP

31/12/2017





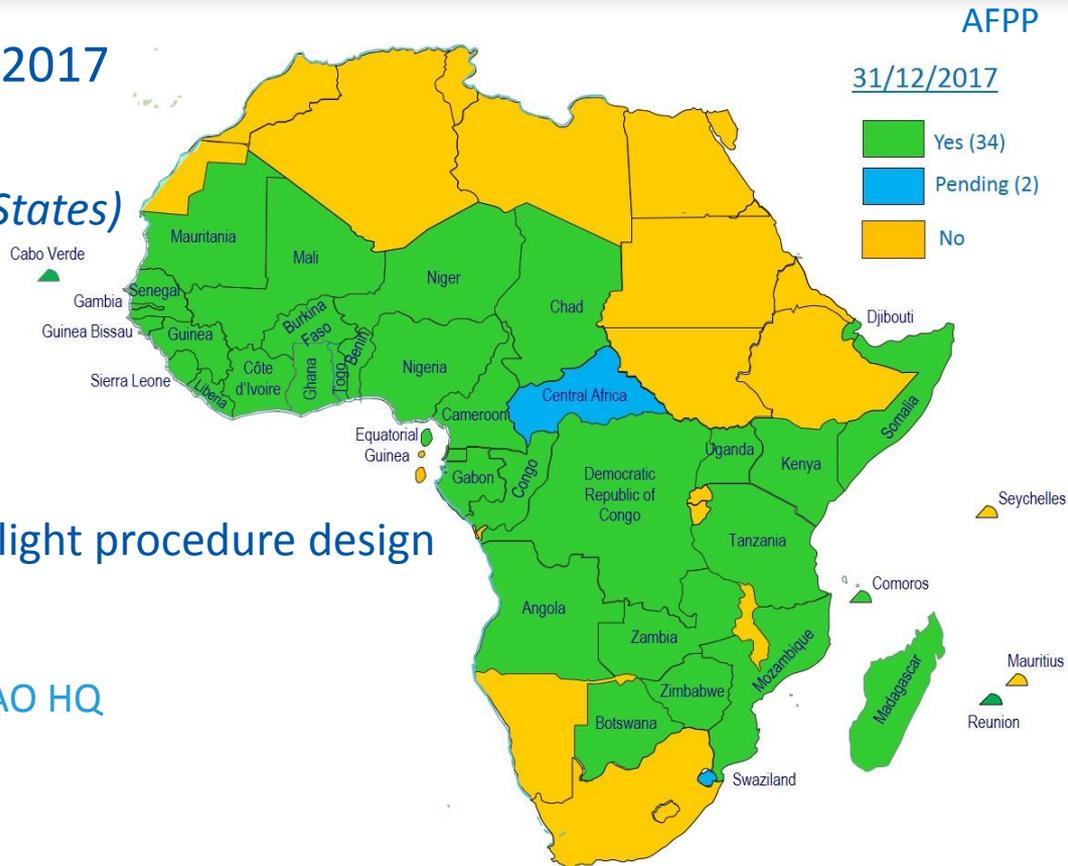
## AFPP Phase I, June 2014/ November 2017

### Programme budget (*Founded by African States*)

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

### Team composed of seconded experts in flight procedure design

- France (Manager)
- ASECNA, Tanzania, Cote d'Ivoire and Kenya
- Additional expertise by AIRBUS, France, ICAO HQ





## Activities 2014/2017

### Workshops, 37 African States/Organizations

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





## Activities 2014/2017

### Training Courses, 34 African States/Organizations

- PANS OPS conventional and PBN flight procedures designer, 42 experts
- OJT for Flight Procedure Designer, 7 experts (5 States)
- PANS OPS for CAAs, 17 experts
- PBN OPS Approval, 90 experts

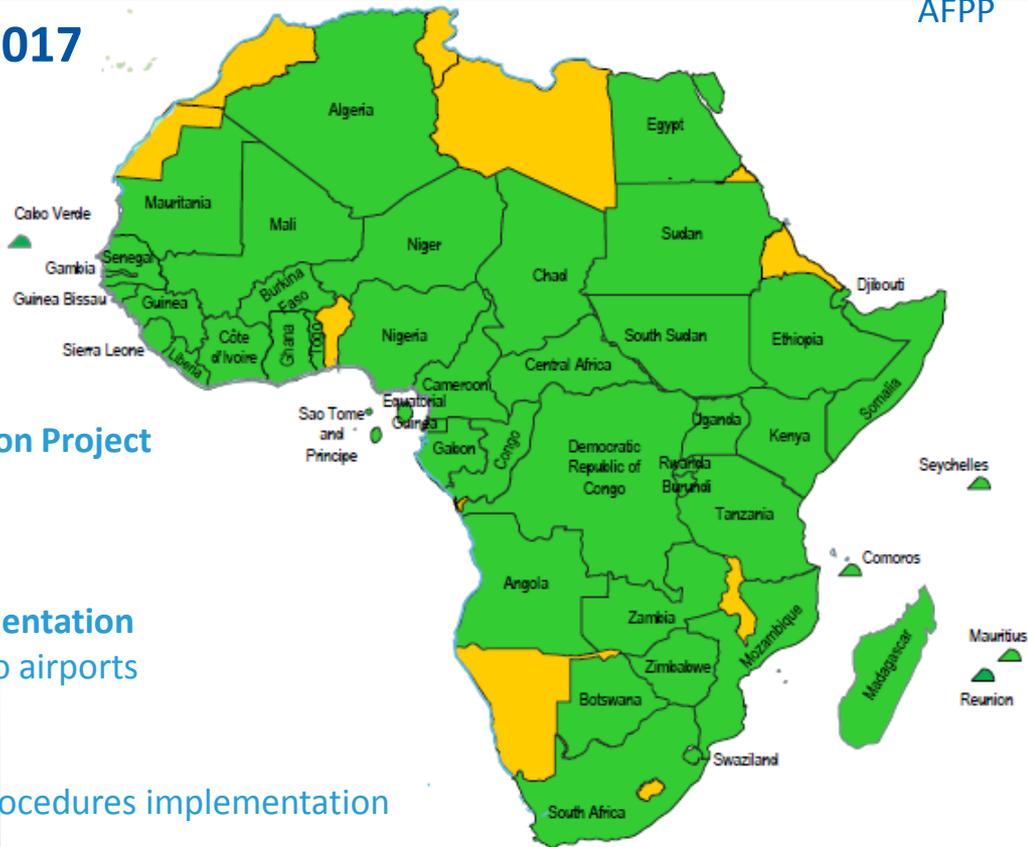




## Activities 2014/2017

### Assistance

- **National PBN Implementation States, 11 States**
  - 43 African States developed their Plan
- **Instrument Flight Procedures Implementation**
  - 7 States
- **AFPP/AIRBUS Showcase, Global PBN Implementation Project**
  - PBN flight procedures at Freetown, Sierra Leone
  - Guinea, Liberia and Roberts FIR associated
- **ICAO/EU CO2 Emissions, Project, CCO/CDO implementation**
  - Libreville, Gabon and Ouagadougou, Burkina Faso airports
- **Improvement of Aviation Safety Oversight in DRC**
  - Quality assurance process for instrument flight procedures implementation





## Activities 2014/2017

### Instrument Flight Procedure Design

- 10 projects at 10 airports, in 3 States
- Terminated or on-going
- 38 Conventional and 40 PBN flight procedures
- And for near future, 9 Projects (9 airports) in 4 States





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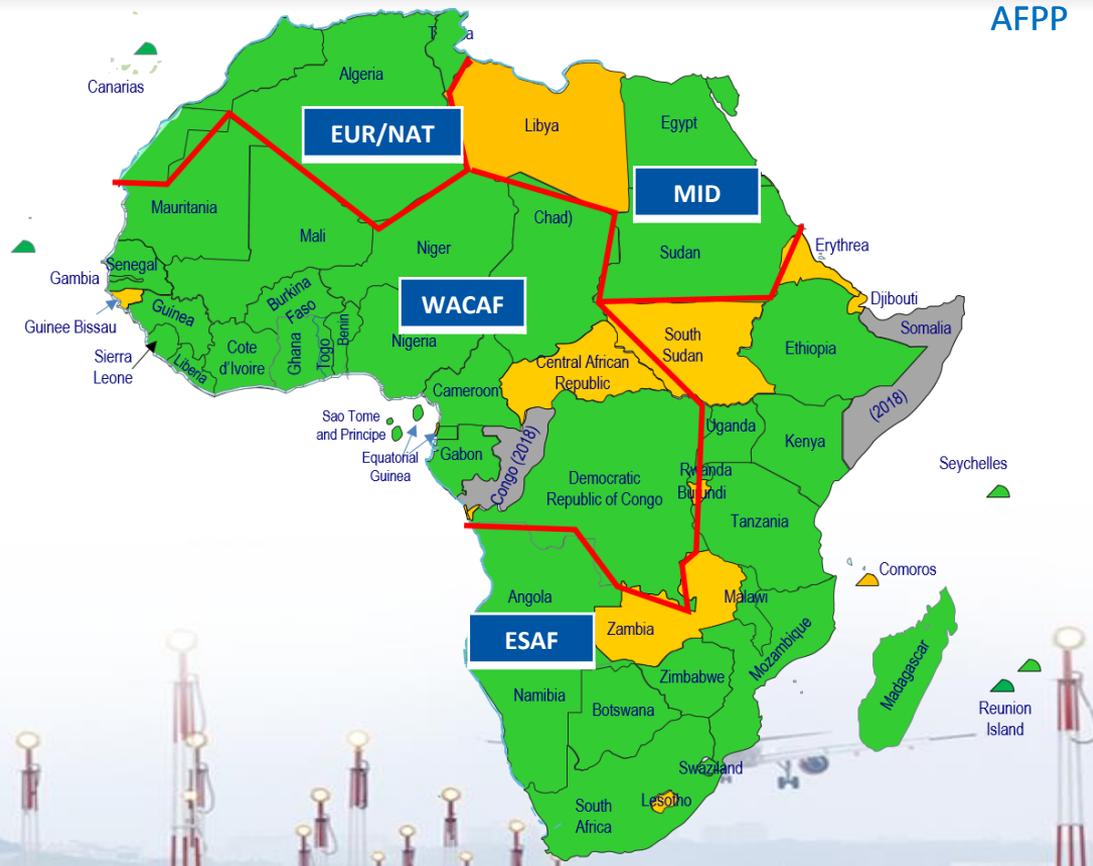
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# National PBN Implementation Plan

ESAF	EUR/NAT	MID	WACAF
16 States 67%	4 States 100%	2 States 67%	21 States 88%

**AFRICA**

43 States  
78%



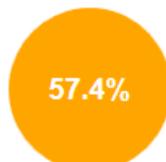


## Assembly Resolution A37-11 on PBN Implementation RNP Approach

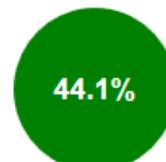
Percentage of States in World meeting the Resolution Targets for Applicable Years



2010

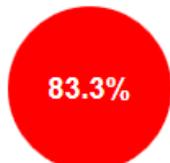


2014



2016

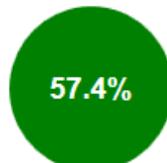
Percentage of States in Africa meeting the Resolution Targets for Applicable Years



2010



2014



2016



# Assembly Resolution A37-11 on PBN Implementation RNP Approach





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## The African Flight Procedure Programme (AFPP)

Phase II, December 2017/ November 2020

### Objectives

- Develop African States capabilities in PBN flight procedures implementation through regional cooperation, and in accordance with PBN implementation detailed in GANP and ASBU

### Activities defined in Programme Document

- PBN Workshops
- Training courses for experts
  - o adding “train the trainer” courses
- Dedicated assistance to States
- Flight procedures design projects





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## The African Flight Procedure Programme (AFPP)

Phase II, December 2017/ November 2020

### Team composed of seconded experts in FPD

- ASECNA Host administration
- Programme Manager recruited and appointed by ICAO
- Permanent seconded experts in Dakar, Senegal: ASECNA, Tanzania
- Seconded experts to conduct activities: ASECNA, Ghana, Kenya and Cote d'Ivoire
- Pool or regional experts

### Programme Budget

- Revenues
  - o Annual Contribution: 10,000 USD
  - o Flight Procedure Design projects
- Expenses
  - o Programme Manager's salary
  - o Allowances to seconded experts
  - o Work Programme activities





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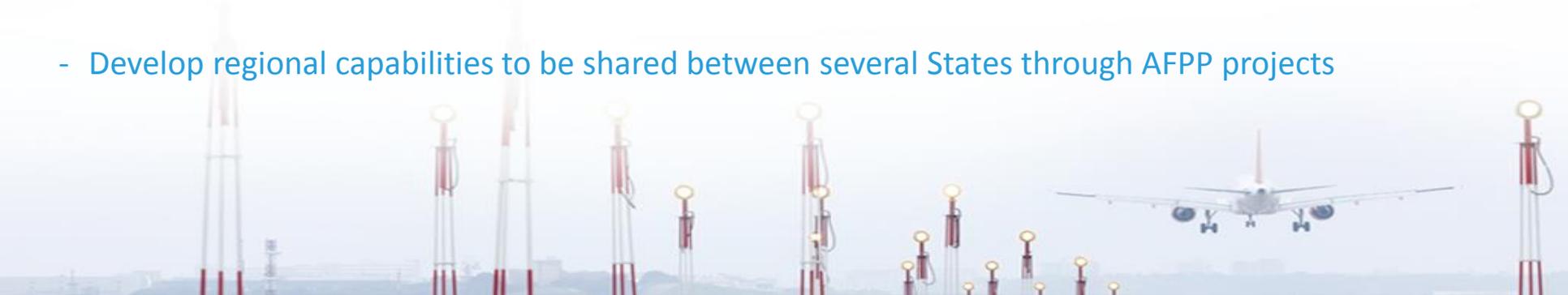
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## The African Flight Procedure Programme (AFPP)

Phase II, December 2017/ November 2020

### AFPP objectives in PBN flight procedures implementation

- Based on regional cooperation projects
- Develop African States capabilities
- Develop regional capabilities to be shared between several States through AFPP projects





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