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UNITING AVIATION

Sixth Meeting of the Directors General of Civil Aviation of Africa and the Indian Ocean (AFI-DGCA/6)

African Flight Procedure Programme (AFPP) (Agenda item: 4.3)

Presented by Prosper Zo'o Minto'o,
ICAO Deputy Regional Director, WACAF Regional Office

**Brazzaville, Congo.
2 - 4 November, 2016**



States obligations related to PBN implementation

- ICAO Assembly Resolution A37-11 (Performance-based navigation global goals), October 2010
 - implementation of PBN flight procedures
- APIRG/20 Meeting: Key Performance Indicators and Targets adopted for Air Navigation Services (ANS)
 - PBN plans (2016)
 - Elements of PBN (2018)
 - CCO and CDO operations (2018)



- State Letter 2016/39 (11 April 2016), applicable on 10 November 2016
 - Amendment to Annex 11 concerning procedure design and oversight SARPS
 - Definition of an Instrument Flight Procedure Design Service
 - Design: internal capabilities or joint service by contracting State or external agency
 - State shall approve and remain responsible for all IFPs for their aerodromes and airspace
 - Quality management system for implementation (Doc 9906)
 - Provide IFP maintenance and review
 - Soon by ICAO: Manual on the development of a regulatory framework for IFP design service



Status of PBN Implementation

ESAF Region, 24 States
(60 airports, 64 runways)

Total % Plan PBN	Total % PBN STAR	Total % CDO	Total % PBN APCH (2 ends)	Total % PBN APCH (1 end)	Total % PBN SID	Total % CCO
63%	34%	5%	45%	75%	31%	3%

WACAF Region, 24 States
(72 airports, 73 runways)

Total % Plan PBN	Total % PBN STAR	Total % CDO	Total % PBN APCH (2 ends)	Total % PBN APCH (1 end)	Total % PBN SID	Total % CCO
58%	42%	2%	51%	73%	24%	1%



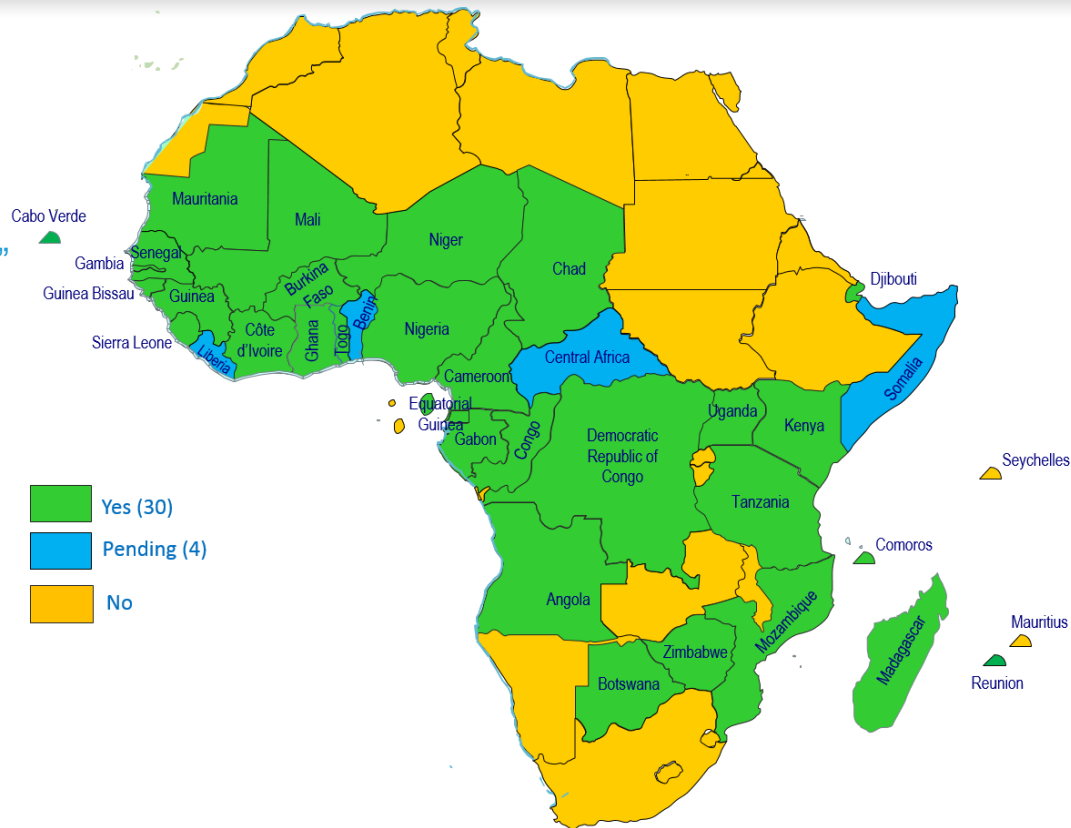
The African Flight Procedure Programme

- A regional, sustainable solution
 - Centre of Excellence
 - Phase 1, 2014/2017, hosted by ASECNA
 - Supported by ESAF and WACAF Offices, ICAO HQ
 - Supported by DGAC France and AIRBUS
 - Supported by AFCAC
 - Seconded experts by African States
 - Funded by African States

30 AFPP Member States

- 26 Active Participating States (APS)
- 4 User States (US)
- Activities based on “Programme Document”
- Team composed of seconded experts
 - France
 - ASECNA
 - Tanzania
- Finances
 - Annual contribution by APS
 - Incomes produced by design activities
- Activity costs for Members

	Training	Assistance	Workshop	Support
APS	Free	Free	Free	Charged
US	Charged	Charged	Free	Charged





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African Flight Procedure Programme

Activities 2014/2016 ... to be continued in 2017

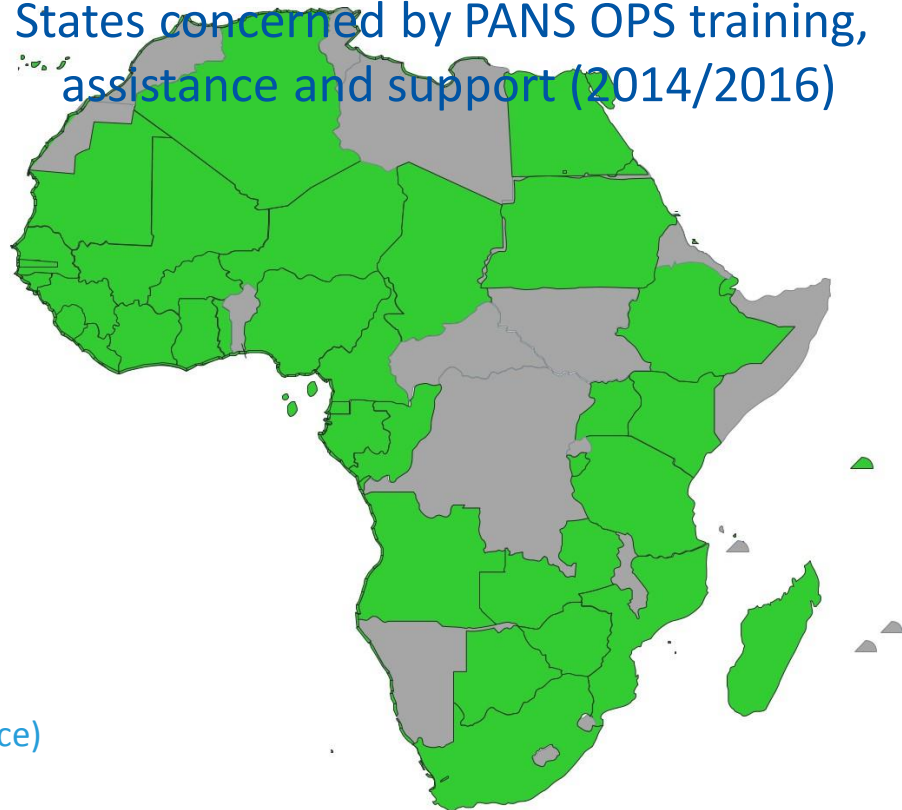
- 175 participants
- PANS OPS Flight Procedures designers training + OJT
- PBN Operations Approval training sessions
- Quality Assurance for IFP implementation workshop
- PBN Airspace Design workshop
- PBN for ATC/ATM workshop
- Data Origination for IFPD workshop
- PANS OPS design for regulatory authorities workshop
- National PBN Implementation Plan assistance
- IFP Validation / Approval assistance
- **Flight Procedures designed**
 - 35 conventional, 47 PBN, 16 airports

Expertise

- AFPP
- ASECNA
- Kenya CAA and EASA

ICAO HQ
ENAC (France)
AIRBUS

States concerned by PANS OPS training, assistance and support (2014/2016)





Challenges for future activities

ICAO Assembly Resolution A38-7 (Comprehensive Regional Implementation Plan for Aviation Safety in Africa), October 2013.

12. *Urges* Member States of the AFI Region to support the establishment of the AFI Flight Procedure Programme (FPP) Office with seconded personnel and financial assistance as a matter of urgency to expedite the implementation of PBN in the region; and

- **Expert secondment**
 - Additional experts to increase AFPP internal capabilities to conduct activities
- **Annual contribution, 10,000 USD approved by AFPP SC**
 - APS to pay contribution to cover costs for activities provision
 - Only 14 States out of 23, paid 2015 contribution
 - Only 8 States out of 26, paid 2016 contribution
- **AFPP Phase 2 Task Force** meeting to define future after May 2017
- **3rd AFPP Steering Committee meeting**, 23-24 November 2016, Livingstone, Zambia



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

South American
(SAM) Office
Lima

ICAO
Headquarters
Montréal

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) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok



THANK YOU