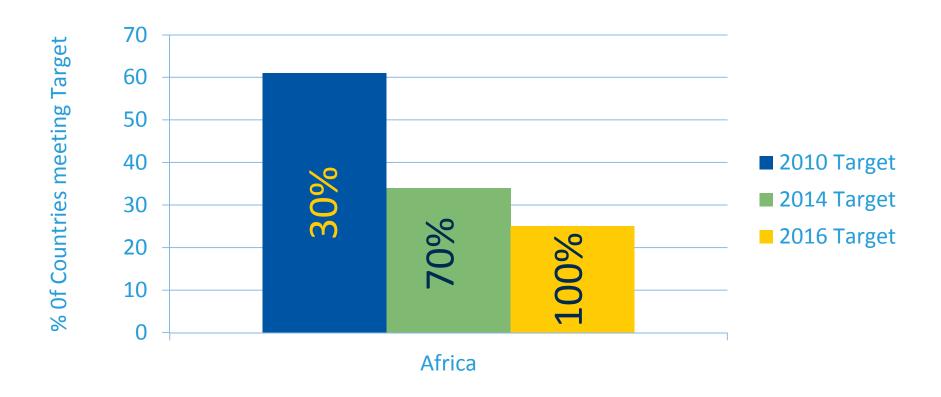
National PBN Implementation Plans Objectives

Frédéric LEGRAND - African Flight Procedure Programme Manager E 24 June 2014



National PBN Implementation Plan

A37-11 Targets - Africa





National PBN Implementation Plan

Mark Improve Safety of Approach Operations

- № Implement PBN instrument approach procedures
- Meet A37-11 timelines
 - Mid term- 2013-2016 Implementation targets.
 - PRNP APCH (APV) (Baro-VNAV or Augmented GNSS) in 100% of instrument runways where practical, by 2016
 - PRNP APCH (LNAV only minima) in 70% of instrument runways by 2014, 100% by 2016

Improve efficiency of flight paths

- Airspace optimization
- № Properly connecting En Route-to-TMA
- № Enable CDO/CCO operations

Starting Point

The National PBN Implementation Plan



National PBN Implementation Plan

The National PBN Implementation Plan

- ✓ Develop the Plan
- Complete the existing Plan; or
- Finhance the existing Plan

Template Plans

№ICAO, 2009

ASECNA, 2009

PBN Implementation Plan State X Plan de Mise en Œuvre de la Navigation Basée sur les Performances (PBN)

[[ÉTAT X]]

Version 1

Existing Plans

African States

December 2009



National PBN Implementation Plan, Strategic Objectives

Timeframes

- Mear Term (2008-2012); and
- Mid-Term (2013-2016)

2 key navigation concepts

- Area Navigation (RNAV) in surveillance environment; and
- Required Navigation Performance (RNP) in non-surveillance environment

Encompasses

- ✓ Instrument approach;
- SIDs and STARs;
- № En Route continental, oceanic and remote operations;
- Airspace design review; and
- Terminal and flight-deck automation



National PBN Implementation Plan, Strategic objectives

CNS/ATM system

- Ensure implementation of navigation portion of CNS/ATM system; and
- № Based on clearly established operational requirements

Ground and board system/equipment

Avoid unnecessarily imposing the mandate for multiple equipment on board or multiple systems on the ground

Mark Airworthiness and operational approvals

Avoid the need for multiple airworthiness and operational approvals for intra- and inter-regional operations

MATM operational requirements

Prevent commercial interests from outdoing ATM operational requirements, generating unnecessary costs for the State as well as for airspace users



