



INTERNATIONAL CIVIL AVIATION ORGANIZATION

WESTERN AND CENTRAL AFRICA OFFICE

**Twenty-Third Meeting on the Improvement of Air Traffic Services over the South Atlantic
(SAT/23)**

Durban, South Africa, 4-5 June 2018

Agenda Item 4: Emerging technologies

PBCS IMPLEMENTATION READINESS IN SOUTH AFRICA

(Presented by the South Africa)

SUMMARY
This paper provides status of PBCS implementation readiness for South Africa.
REFERENCE(S): Doc 10037 Global Operational Data Link Document (GOLD) and Doc 9869 Performance Based Communication and Surveillance Manual (PBCS)
Related ICAO Strategic Objective(s): Standardisation and interoperability of Communications and Surveillance procedures; as well as implementing performance-based criteria for Communications and Surveillance

1. INTRODUCTION:

SATFIT 22 Conclusion 22/04 called for the implementation of the PBCS concept requirements for flights operating to NAT region from March 2018, the SAT Group study the implementation of Reduced Separation Minima in line with PBCS requirements to facilitate the provision of seamless services in the entire SAT area.

APIRG also adopted Conclusion 20/09 (Implementation of ICAO PBCS manual (DOC 9869) and GOLD Manual (DOC 10037))

That:

a) States, Air Navigation Service Providers (ANSPs) and users take necessary action to apply the technical and operational guidance provided in the Second Edition of Doc 9869 (Performance Based Communication and Surveillance (PBCS) Manual) and the Global Operational Datalink (GOLD) Manual (Doc 10037) once published;

b) States and ANSPs that have already implemented CPLDC/ADS-C review their systems performance using PBCS Manual and take immediate action where remedial measures are necessary; and

2. DISCUSSION:

To seamless implement PBCS, ICAO was tasked to Conduct regional workshops on PBCS and to also assist States to conduct gap analysis for PBCS implementation.

States were tasked to develop local/national implementation plan.

ANSPs that have implemented CPDLC/ADS-C and SATCOM communication services must set up their local PBCS Monitoring Programme.

Under the ICAO statement of NCLB, states that have implemented PBCS to assist those that are struggling to implement.

2.1 South Africa has attended PBCS workshops as arranged by ICAO.

A project has been established to facilitate the implementation of PBCS.

South Africa has started the process of developing internal capability to issue PBCS ops approval to airlines. Together with the Regulator, South Africa will conduct gap analysis on PBCS related regulation.

Part of participating in this meeting, South Africa aims to engage and learn from other ANSPs, especially in the NAT Region, who has established local Data Link monitoring programme to properly implement its own local monitoring capability.

2.2 One of the Draft conclusion of the Airspace and Aerodrome Operations Sub Group (AAO SG 2) proposed for the establishment of the regional monitoring Agency for the PBCS and States were still encouraged to establish their own local monitoring agencies.

3. ACTION BY THE MEETING:

3.1. The meeting is invited to:

- Note the contents of this WP; and
- Encourage States that have implemented the PBCS, Under the ICAO statements of NCLB, offer assistance to those States that are struggling to implement Local/National monitoring agencies.

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