



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

Twenty Third Meeting of the Africa-Indian Ocean Planning and Implementation Regional Group (APIRG/23)

(Virtual, 24 - 26 November 2020)

Agenda Item 3: RVSM Airspace Safety

3.2 AFI PBCS MONITORING

(Presented by ARMA)

SUMMARY	
This working paper presents information with regards to the establishment of AFI PBCS Monitoring to be part of AFI RMA monitoring mechanism. Action by the Meeting is in point 3.	
Strategic Objectives	A,B,D,E

1. INTRODUCTION

1.1 It may be recalled that APIRG/22 held in Accra Ghana considered issues related to RVSM Airspace safety, and the challenges of PBCS monitoring in the AFI Region in particular and made APIRG/22 Conclusion 22/12: Establishment of the AFI Performance-Based Communication and Surveillance (PBCS) Monitoring:

That:

- a) *The AFI PBCS monitoring should be established as part of the AFI RMA monitoring mechanism;*
- b) *ICAO to formally request South Africa, as matter of urgency, to facilitate the inclusion of PBCS monitoring in the functions and responsibilities of the AFI Regional Monitoring Agency (ARMA) and provide necessary expertise for both functional areas (RVSM and PBCS), as well associated support to States and service providers as applicable;*
- c) *South Africa be mandated to formulate cost recovery mechanism in accordance with ICAO policies and in coordination with users and AFI ANSPs as necessary, and provide an up-date to AFI States and ANSPs through the Secretariat and the APIRG framework;*
- d) *The Secretariat to provide assistance and support as necessary to facilitate early establishment of the AFI PBCS monitoring mechanism;*
- e) *The proposed terms of reference of the ARMA relating to PBCS monitoring at Appendix 4C to this report be reviewed and updated as necessary; and*
- f) *PBCS monitoring should be established as part of the South Atlantic Regional Monitoring Agency (SATMA) monitoring mechanism;*

2. DISCUSSION

2.1 ICAO has formally requested South Africa, to facilitate the inclusion of PBCS monitoring in the functions and responsibilities of the AFI Regional Monitoring Agency (ARMA) and provide necessary expertise for both functional areas (RVSM and PBCS), as well associated support to States and service providers as applicable;

2.2 ARMA's function and responsibilities for PBCS Performance Based Communications and Surveillance has the same goal as RVSM but the mechanism is a bit different.

2.3 These AFI PBCS functions and responsibilities have been added to ARMA's list of responsibilities:

- a) Receive reports of non-compliance (Doc 9869 refers) with RSP180 and RCP240 from AFI ANSPs and transmitting reports to the respective RMA associated with the State of the respective operator/aircraft;
- b) Receive and maintain records of RCP and RSP approvals issued by States of Operator/Registry associated with current State responsibility and incorporating into expanded RVSM/PBCS approvals database and follow-up as appropriate instances of non-approved aircraft being identified in PBCS airspace. This would be determined by augmenting the existing monthly RVSM approvals check to incorporate a similar check against PBCS approvals where these have been included in the flight plan but no approvals record is held by RMAs;
- c) Verify compliance with State PBCS requirements applicable to RMAs with designated areas of responsibility that include airspace where PBCS is implemented; and
- d) Sharing records of RCP and RSP approvals between RMAs in line with current sharing practices of RVSM approvals for the ability of States/ANSPs to verify that aircraft operators filing PBCS capabilities in the flight plan are authorized to do so.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) take on note of the Working Paper;
- b) note that ARMA functions and responsibilities have been expanded to include PBCS monitoring;
- c) Urge States to start the pre-implementation process in developing policies that will be line with the adoption of RSP180 and RCP 240;
- d) take note of the new ARMA F2 and F3 forms which include both RVSM and PBCS Approvals. Forms attached as Appendix A and B.

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