*International Civil Aviation Organization*
South American Regional Office
**South Atlantic Safety Oversight Group – Third Meeting (SAT SOG/03)**
(Sao Paulo, Brazil, 15 to 19 April 2024)

SAT/SOG/03-WP/5.1
04/04/2024

**Agenda Item 5:** **Collision risk assessment (CRA) and LHD**

      **a) RMAs activities on height monitoring.**

**Data Collection of Air Traffic Movements Over the Oceanic Area**

(Prepared by CARSAMMA)

---

**SUMMARY**

This working paper presents the reasons for the request to collect air movements from the oceanic areas of the relevant CARSAMMA oceanic FIRs.

---

**References:**

- ICAO DOC 10063 (Manual on Monitoring the Application of Performance-based Horizontal Separation Minima)

- ICAO DOC 9574 (Manual of Implementation of 300m [100ft] Vertical Separation minimum between FL290 and FL410 inclusive)

---

1. **Background**

1.1      During previous SAT SOG meetings, and with the aim of replicating the same separation and surveillance structure used in the North Atlantic oceanic area throughout the South Atlantic oceanic area, the manager of the SAT RMA H/S Project Team asked the RMAs for a test study to understand the evolution of traffic that overcame the oceanic areas of the relevant regions (KYA) of each RMA at the upper levels.

1.2      This was necessary to know the frequency, types of aircraft, average speed, airway occupancy rate, etc. in these areas for decision making.

2. **Analysis**

2.1      For this, CARSAMMA initially used the data sent by the FIRs involved in the calculation of the CRM dated December 2023, which contained this data, but mixed with flight data on the continent, which led to filtering work to separate the two overflight areas.

2.2      For the reasons listed above, CARSAMMA requests the support of the ICAO Offices in Lima and Mexico to make a request to the FIRs (PIARCO, CAYENNE, ATLÂNTICO, MONTEVIDEO, EZEIZA AND COMODORO RIVADAVIA) to send the air movement collection from the upper levels of the month July 2024, only for traffic that flies over the Atlantic Ocean, excluding the part of flights over the continent to continue and improve testing.

3. **Suggested actions**

3.1       The meeting is invited to:

a) Note the information contained in this paper; and

b) Consider this strategy to be approved and recommend its use to other SAT RMAs.

END