



**Combined Fourth Meeting of Arabian Sea Indian Ocean ATS Coordination Group  
ASIOACG/8 and Indian Ocean Strategic Partnership to Reduce Emissions (INSPIRE/4) –**

**Melbourne, Australia 25<sup>th</sup> November – 29<sup>th</sup> November 2013**

**Agenda Item 11: Works program for 2014**

Declaring RNP category for Airspace based on surveillance capabilities (nonexclusive)

(Presented by IATA)

**SUMMARY:**

To Progress on Seamless ATM concepts, it is important that each FIR formally declares RNP Category for Airspace. This paper proposes to include it under ASIOACG work plan 2014.

**1. INTRODUCTION**

- 1.1 Arabian Sea Indian Ocean ACG progressed on several measures for Capacity enhancement.
- 1.2 Under Seamless ATM concept, it is expected that such measures are formally reflected on airspace characteristics.
- 1.3 ICAO's Seamless ATM concept expects each state to declare airspace RNP category based on its surveillance capabilities.
- 1.4 This paper identifies certain possible challenges to this process and suggests way out.

**2. DISCUSSION**

- 2.1 In AS-IO regions, it is observed in certain FIRs that 50/50, 30/30 NM separations are implemented specific to airways rather than airspace.
- 2.2 It is also observed that due to various issues between different FIRs, actual implementation of reduced separation is still a challenge.
- 2.3 FANS 1 aircraft equipage and non-equipped aircraft as reported by ANSPs is still at 50-50% levels.
- 2.4 Based on surveillance capability several FIRs are capable to facilitate reduced separation across FIR.

- 2.5 ICAO recommends adopting minimum possible separation based on surveillance capability rather than following step by step approach for reducing separation that underutilize the surveillance capabilities as well as aircraft equipage.
- 2.6 The “nonexclusive” approach for declaring the airspace RNP category will not restrict the movement of non-equipped aircraft that do not comply with the requirements of declared RNP capability of the airspace. This enables controllers to apply reduced separation.
3. **ACTION BY THE MEETING**
- 3.1 The meeting is invited to consider incorporating following to the ASIOACG work plan 2014:
- a) States that have not yet adopted surveillance based separation across FIR may consider adopting it and declaring the airspace RNP category accordingly.
  - b) Apply reduced separation based on the surveillance capability.

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