



**Combined Third Meeting of Arabian Sea Indian Ocean ATS Coordination Group ASIOACG/7 and
Indian Ocean Strategic Partnership to Reduce Emissions (INSPIRE/3) –
Mumbai, India, 11 – 14th December 2012**

Agenda Item 6: Review of UPR Trials and follow-up actions

Proposed new waypoints on the YMMM/WIII Boundary

(Presented by Airservices Australia)

SUMMARY

Analysis of the recent User Preferred Route trials has identified a need for additional waypoints on the Melbourne/Jakarta FIR boundary. This paper provides an overview of recent discussions between Airservices Australia and Angkasa Pura II regarding the publication of additional waypoints.

1. INTRODUCTION

- 1.1 INSPIRE participants have been conducting trial User Preferred Route (UPR) flights within oceanic airspace throughout 2012. The trials included flights in the key traffic flows:
- Middle East-Australia
 - Asia-Africa
 - Africa-India
- 1.2 A series of the Asia to Africa flights were from Singapore to Johannesburg and return.
- 1.3 To facilitate increased efficiency in the Asia-Africa traffic flow and allow the delivery of greater environmental benefit the ASIAOCG identified that additional waypoints are required on the Melbourne/Jakarta FIR boundary.

2. DISCUSSION

2.1 To improve the efficiency of UPRs between Asia and Africa, Airservices propose three new waypoints to be published on the Jakarta/Melbourne FIR boundary. The approximate position of these waypoints would be:

1. 100NM SE POSOD
2. 200NM SE POSOD
3. 300NM SE POSOD

2.2 It is proposed that the waypoints should connect to the fixed route structure in the Jakarta FIR via PKU or OBMAT.

2.3 These waypoints, combined with a connection to PKU, would allow potential savings of up to 10 minutes of flight time, equivalent to 800kg of fuel and 2500kg of CO² emissions, per flight for a B777 aircraft.

2.4 The following image shows the route for a FAJS-WSSS flight on fixed routes (black), UPR in YMMM joining fixed routes at POSOD (blue), and unrestricted UPR (green)



2.5 On 27 to 29 November 2012 the 31st Indonesia/Australia ATS Coordination Group Meeting (AusIndo 31) was held in Melbourne Australia.

2.6 At AusIndo 31 Airservices discussed the establishment of the new waypoints with representatives from Angkasa Pura II (APII). APII has undertaken to consider the establishment of these waypoints and discuss this with other Indonesian agencies as required.

3. **ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) Note the environmental benefits that would be delivered by the introduction of new waypoints on the Melbourne/Jakarta FIR boundary, and
- b) Collaborate to introduce these waypoints during 2013.
