

**Twenty Ninth Meeting of the
Informal South Pacific ATS Co-ordinating Group
(ISPACG/29)**

**Santiago, Chile
4-6 March 2015**

Agenda Item 6: Other business

Global Tracking Trial

Presented by Airservices

SUMMARY

In response to ICAO's near term goals regarding Global Flight Tracking, Airservices has commenced a trial to determine the effectiveness of increasing ADS-C periodic reporting to monitor flights through non-surveillance airspace.

1. INTRODUCTION

- 1.1 Following the loss of MAS370 in March 2014, ICAO convened a Special Meeting on Global Flight Tracking of Aircraft. The meeting concluded that 'global tracking of airline flights will be pursued as a matter of priority to provide early notice of and response to abnormal flight behaviour'. Airservices has worked closely with satellite communications company Inmarsat, to trial a form of Global Tracking that uses existing aircraft equipment.

2. DISCUSSION

- 2.1 The Global Tracking Trial enhances surveillance by increasing the frequency of ADS-C periodic reporting rates in non-surveillance airspace. The default reporting rate in these areas is currently 30 minutes and, in the initial stages of the trial, this is being manually updated by the controller to 10 minutes. To assist with the feasibility of the trial, Inmarsat will provide one free position report every 15 minutes. *It is worth noting here that subsequent to the commencement of this trial, ICAO has recommended the adoption of a 15 minute tracking Standard which may trigger an amendment to this trial.*
- 2.2 To enable the trial to commence in the shortest possible timeframe it was introduced into Brisbane FIR with participation limited to Qantas and Virgin Australia. Performance data from the trial will be monitored and outcomes discussed with industry partners and the global aviation community.

We expect to continue with the trial until global standards for aircraft tracking are finalised. The next stages of the trial will see all aircraft that are equipped with ADS-C technology automatically begin reporting their position more frequently to air traffic control centres in Australian airspace.

Arrangements for implementation dates are currently being worked through with airlines and our neighbouring Indonesian and Malaysian air traffic control agencies.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to note the information provided in this paper.