



**Twenty First Meeting of the
Informal South Pacific ATS Co-ordinating Group (ISPACG/21)**

Auckland, New Zealand, 6-8 March 2007

Agenda Item: 4 Review progress on open action items.
AI 16-13

[“Rule of 11” Implementation in Auckland Oceanic]

(Presented by Allan London, Airways New Zealand)

SUMMARY

This paper gives an update on the expansion of the “rule of 11” in the Auckland Oceanic FIR.

1. INTRODUCTION

1.1 Airways New Zealand has utilized the “rule of 11” for some years using “radar” as the source to confirm the time interval over the common point but has looked to expand use of the procedure as detailed in ICAO DOC 4444 and 7030 to areas outside radar coverage.

2. DISCUSSION

2.1 The delay in expanding this separation standard was directly related to the frequency and magnitude of incorrect pilot estimates that were regularly occurring when Airways first sought to implement the procedure back in late 2004.

Over the last two years these occurrences have decreased and, as a consequence, on 31st August 2006 the “rule of 11” expansion was implemented to allow controllers to apply this separation standard between aircraft crossing the same waypoint outside radar coverage.

2.2 At the same time the CAA NZ approved the use of ADS in conjunction with radar when confirming the “time interval” at the common point for those aircraft that would not report over the same reporting point.

2.3 Airways would like to further expand the use of the “rule of 11” by being able to extrapolate between position reports so that the time interval does not necessarily have to be achieved over a waypoint but may occur sometime thereafter. However in order to extrapolate this time interval accurately, ATC needs to know the exact speed the aircraft has flown since the last position report.

The variation in speed that aircrews are currently allowed without notifying ATC does not allow the “time interval” to be accurately determined. See working paper WP-25.

3. ACTION BY THE MEETING

3.1 The meeting is invited to: Note the implementation of the expanded use of the “rule of 11” in the Auckland Oceanic FIR.