Twenty Seventh Meeting of the
Informal South Pacific ATS Co-ordinating Group
(ISPACG/27)

Auckland, New Zealand
27 February – 01 March 2013

Agenda Item 4 - Review Open Action Items (AI 21-2)

STATUS UPDATE FOR DEVELOPMENT AND IMPLEMENTATION
OF ADS-C CLIMB DESCENT PROCEDURE

Presented by the Federal Aviation Administration

SUMMARY

This paper provides an update on the development and implementation of operational trials for the use of the ADS-C Climb/Descent Procedure.

1. INTRODUCTION

1.1 The ADS-C Climb Descend Procedure (CDP) utilizes existing user equipage and ATC capabilities to allow more oceanic flights to achieve their preferred vertical profiles. ADS-C CDP is part of the Oceanic Trajectory Based Operations (OTBO) program, a critical NextGen capability that addresses current performance gaps in the area of capacity, productivity, and efficiency in the oceanic environment. Integral to ADS-C CDP is the use of advanced communication, navigation, and surveillance (CNS) capabilities; e.g., ADS-C, Controller-Pilot Data Link Communications (CPDLC), and Required Navigation Performance (RNP).

1.2 Operational trials for the use of the ADS-C CDP began on February 15, 2011 in the Oakland FIR and ended February 15, 2013.

2. DISCUSSION

2.1 During the two-year timeframe of the trials, the ADS-C CDP was successfully utilized eight times.

2.2 Due to the inherent limitations of the manual execution of the procedure, there are no plans to extend the manual trial. Alternatively, fast-time simulations are currently being conducted at the FAA's William J. Hughes Technical Center (WJHTC). These simulations will model the use of the ADS-C CDP in a more densely populated environment, thereby increasing the opportunity for use and further validating the procedure.

2.2   The ADS-C CDP is scheduled to be automated in Ocean21 in January, 2015 and be available for use at that time within the Anchorage, New York and Oakland FIRs.

3.   ACTION BY THE MEETING

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