

**Twenty Fifth Meeting of the
Informal South Pacific ATS Co-ordinating Group (ISPACG/25)**

Honolulu, Hawaii, USA, 24-25 March 2011

Agenda Item 4: Review Open Action Items (AI 21-5)

ASPIRE Update

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SUMMARY

The ASPIRE environmental initiative has sharpened airline and public attention on the work being done by Air Navigation Service Providers to improve the efficiency of aviation operations across the Pacific region. This paper provides a brief update on the membership and activities of ASPIRE, with a particular focus on the recently established ASPIRE-Daily Program.

1. INTRODUCTION

- 1.1 Since its launch in February 2008 the Asia and Pacific Initiative to Reduce Emissions (ASPIRE) has focused the attention of our Airline customers and the general public on the contributions being made by Air Navigation Service Providers (ANSPs) to reduce the impact of aviation on the environment.
- 1.2 During the past 12 months the ASPIRE partners have been working toward realising the program of work detailed in the ASPIRE strategic plan. There has also been a specific focus on establishing the ASPIRE-Daily Program, a program to increase awareness and utilisation of best practices on a daily basis in the Asia-Pacific region
- 1.3 During the next 12 months the work program will continue, and the partnership will be expanded to include AeroThai. Furthermore there will be an emphasis on expanding the ASPIRE-Daily Program to include an increased number of eligible city pairs.

2. DISCUSSION

2.1 ASPIRE Membership

- 2.1.1 It is planned that AeroThai will join the ASPIRE partnership in June 2011.

- 2.1.2 This will take the partnership to six (6). The current partners are; the founding partners FAA, Airservices Australia, and Airways New Zealand, and the subsequent partners Civil Aviation Authority of Singapore, and the Japanese Civil Aviation Bureau. Whilst there have been indications of interest in joining ASPIRE from other Air Navigation Service providers it is not intended that the membership be increased in the near future.
- 2.1.3 AeroThai plans a formal ceremony to mark their commitment to the ASPIRE partnership. The ceremony will be in mid June to coincide with the CANSO Asia Pacific Conference

2.2 ASPIRE work program

- 2.2.1 The most recent ASPIRE strategic plan, which can be found on the existing ASPIRE-Green.com website, includes updates to the ASPIRE work program.
- 2.2.2 The key successes in the work program include;
- 2.2.2.1 Planning for improvements in surveillance coverage in the South China Sea is progressing well.
- 2.2.2.2 Planning RNP10 and RNP4 operations in the South China Sea and Bay of Bengal areas is progressing well.
- 2.2.2.3 Programs for Arrivals Optimisation within each Partners area of responsibility are being progressively implemented, with particular success in New Zealand and the United States.
- 2.2.2.4 The ASPIRE-Daily Program has been established successfully.

2.3 ASPIRE-Daily

- 2.3.1 Since the publication of the ASPIRE Strategic Plan in October of 2008, the ASPIRE Partners have conducted a series of five gate-to-gate “ASPIRE Green Flights” successfully demonstrating the potential for fuel and emissions savings. Although the green flights represented the best-case or ideal scenario due to the removal of controllable constraints – a practice not feasible in daily operations – most of the procedures used are available on a daily operational basis for a variety of city-pair routes throughout the Asia Pacific region. At the 2010 ASPIRE Coordinators’ Conference in Maroochydore, Australia, the partners agreed to a proposal for the ASPIRE-Daily program, identifying city-pair routes where key elements of the ASPIRE best practices are utilised.
- 2.3.2 ASPIRE-Daily Best Practices are procedures and services that a) have proven fuel & emissions savings and b) are available on a daily basis to participating equipped flights either by pilot request (e.g. DARP), or with no action required by the flight crew (e.g. Reduced Oceanic Separation Minima).
- 2.3.3 The objective of ASPIRE-Daily is to increase awareness and utilisation of best practices on a daily basis in the Asia-Pacific region.

2.3.4 The goals of the ASPIRE Daily Program include:

- Identify and publish ASPIRE-Daily City Pairs where three (3) or more fuel-saving Best Practices are available
- Certify ASPIRE-Daily City Pairs with a star rating system in consultation with the International Air Transportation Association (IATA)
- Enable and encourage reporting by airlines of their successful utilisation of ASPIRE-Daily City Pair routes and index this information
- Actively promote and advertise the availability and usage statistics of new and existing ASPIRE-Daily City Pairs through industry forums, web distribution and the ASPIRE Annual Report

2.3.5 Before an ASPIRE-Daily city pair is established, the City Pairs and the proposed best practices are proposed to IATA for endorsement.

2.3.6 The inaugural city pair between Auckland and San Francisco has been established. The initial utilisation data is not yet available. It is anticipated that a number of additional city pairs will be established before the end of June 2011.

2.3.7 An ASPIRE-Daily website will be published in the second quarter of 2011 which will provide information about the city pairs, the available best practices and the utilisation. This website will also be linked to the existing ASPIRE-Green.com website.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) Note the increased membership of ASPIRE, and the increasing participation of ANSPs on the Western fringes of the Pacific Region.
- b) Note the progress being made in the ASPIRE work program
- c) Review their progress for those work packages or portions of work packages where ISPACG has been assigned some responsibility.
- d) Note the establishment of the ASPIRE-Daily Program.