

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

**Auckland, New Zealand
27 February – 01 March 2013**

Agenda Item 5.4 – Review Work Programmes

Asia & Pacific Initiative to Reduce Emissions (ASPIRE)

Presented by Federal Aviation Administration

SUMMARY

The ASPIRE Partnership was initiated in February 2008 and has achieved many milestones and successes since its inception. The ASPIRE Strategic Plan has been developed and is a living document that is driving ASPIRE Partners towards actual accomplishments and operational benefits. The ASPIRE Annual Report was first published in 2009 with a new version published every year since. The ASPIRE Partners have established the ASPIRE-Daily program to identify and promote city-pair routes where best practices with demonstrated and proven success in the reduction of greenhouse gasses are available on a daily basis.

1. INTRODUCTION

- 1.1. The Asia and Pacific Initiative to Reduce Emissions (ASPIRE) is a partnership of air navigation service providers focused on environmental stewardship in the region. The ASPIRE partnership was initiated by the signing of the ASPIRE Joint Statement of Purpose by Airservices Australia, Airways New Zealand, and the Federal Aviation Administration at the Singapore Air Show on 18 February 2008. The partnership has since grown to include the Civil Aviation Bureau, Japan (JCAB), the Civil Aviation Authority of Singapore (CAAS), and Aeronautical Radio of Thailand. Unlike regional collaborations focused primarily on technology demonstration, the ASPIRE partnership is a comprehensive approach to environmental stewardship for the region. Under ASPIRE, current and future partners pledge to adopt and promote best practices that have demonstrated and proven success in the reduction of greenhouse gasses, as well as to the development of work programs to promote future gains for the environment.

2. DISCUSSION

- 2.1. The ASPIRE members met from 5-7 June 2012 in Tokyo for the ASPIRE Annual Meeting. The meeting focused on the ASPIRE Work Program for 2012, including updates from each ASPIRE member on progress and future planning, the 2012 Annual Report and future expansion of the partnership. The members also reviewed progress and future plans for the development of shared metrics for fuel and emissions. Mr.

Kazuto Suzuki of JCAB chaired the meeting in the first year of a two year term as ASPIRE Chair.

- 2.2. The ASPIRE Partners continued to expand the ASPIRE-Daily program to identify the most efficient city-pair routes in the region where best practices with demonstrated and proven success in the reduction of greenhouse gasses are available on a daily basis. Best practices for the first year of the ASPIRE Daily program included User Preferred Routes (UPRs), Dynamic Airborne Reroute Procedures (DARP), 30/30 Reduced Oceanic Separation, Time-Based Arrivals Management, Arrivals Optimization, Departure Optimization, and Surface Movement Optimization. An additional best practice, Network Optimization – Collaborative Decision Making, was added with the publishing of the 2012 Strategic Plan.

The partners continue to work with the International Air Transport Association (IATA) Asia Pacific office to assess and validate the ASPIRE-Daily best practices, city pair nominations and ratings. ASPIRE-Daily city pairs are certified with a star rating system based on the number of best-practice procedures available.

Number of Best Practices	Star Rating
3-4	3
5-6	4
7-8	5

- 2.3. Since its inception, the ASPIRE-Daily program has validated ten city pairs:

- Auckland – San Francisco (four stars)
- Los Angeles – Singapore (four stars)
- Los Angeles – Melbourne (four stars)
- Sydney – San Francisco (four stars)
- Singapore – Melbourne (four stars)
- Melbourne – Singapore (four stars)
- Singapore – Sydney (three stars)
- Sydney – Singapore (four stars)
- Melbourne – Los Angeles (four stars)
- Sydney – Los Angeles (four stars).

Additional city pairs are currently under development.

- 2.4. The 2012 ASPIRE Annual Report was published in October 2012 to the ASPIRE website (www.aspire-green.com). The 2012 Strategic Plan was restructured this year

to more closely align with ASPIRE best practices and was also published to the website in October.

- 2.5. At the annual meeting in June, the ASPIRE partners discussed further expansion of the partnership to include additional air navigation service providers and airlines in the region. Recognizing that the greatest benefit will be delivered through the broadest collaboration, the ASPIRE partners are seeking to expand the partnership by encouraging airlines and ANSPs who share our environmental values to become ASPIRE partners. Interested providers will be asked to demonstrate clear environmental initiatives in their current or near term work programs that contribute to and align with the overall goals of ASPIRE.
- 2.6. The ASPIRE partners will hold their next annual conference 23-25 April 2013 in Thailand. The meeting provides an opportunity for ANSPs, airlines, and industry to present and discuss ideas and programs intended to improve ATM environmental performance. ANSPs and airlines interested in becoming ASPIRE partners as well as industry representatives are encouraged to attend and should contact the ASPIRE chair at Suzuki-k2km@mlit.go.jp by 15 March 2013.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to:
 - a) Recognize the progress, performance and program updates by the ASPIRE Partnership; and
 - b) Note the information presented in this paper, especially the additional ASPIRE-Daily city-pair routes and the plans for expansion of the partnership.