

**Twenty Fourth Meeting of the
Informal South Pacific ATS Co-ordinating Group (ISPACG/24)**

Brisbane, Australia, 11-12 March 2010

Agenda Item 4: Review Open Action Items

SHARED PERFORMANCE METRICS FOR FUEL AND EMISSIONS

Presented by the Federal Aviation Administration

SUMMARY

The development of shared performance metrics for ISPACG is an action delegated to the ISPACG Planning Team, is tracked in the ISPACG/PT Integrated Action Plan, and is an initiative highlighted in the work program for the Asia and Pacific Initiative to Reduce Emissions (ASPIRE). This paper provides a status update on efforts to produce a fuel and emissions baseline.

1. INTRODUCTION

- 1.1 Following ISPACG/23, the development of a South Pacific fuel and emissions baseline was established as an open work item in the ISPACG Planning Team Integrated Action Plan and is a key shared goal of the partners under the Asia and Pacific Initiative to Reduce Emissions (ASPIRE).

2. DISCUSSION

- 2.1. The initial focus for the performance metric is the city-pair routes between Australia, New Zealand and the US West Coast. Once in place, this baseline fuel and emissions metric will be available to measure future gains and trends as services evolve via technology and procedural service enhancements.
- 2.2. As part of the Planning Team action to develop a South Pacific shared performance metric, the FAA reviewed data sharing requirements based on the methodology employed in the North Pacific, and the data formats and availability in the South Pacific for city pairs between North America and Australasia. Due to the number of service providers, and the relative differences in data formatting, storage, and retrieval, it was concluded that focusing on air carrier-provided data would provide more consistent access to data and reduce the need to build multiple data parsing tools. Air carrier-provided fuel and emissions data is potentially the most straightforward and accurate means to create a gate-to-gate baseline performance

measurement. Through efforts associated with the development and execution of the ASPIRE work program, there has been preliminary dialog with a subset of South Pacific air carriers on the development of this baseline fuel and emissions measurement using air carrier-provided data.

- 2.3. With only one air carrier committed to participation in the base-lining effort, the Planning Team reevaluated the strategy of using service provider data and investigated methods of data exchange and confirmed potential data formats with both Airservices Australia and Airways New Zealand. Although this option provides the most immediate access to data, and opportunity to move forward, the available service provider data may limit the initial base-lining effort to the en route portion of the selected flights.
- 2.4. Data from the participating air carrier may serve as a verification of the process using the service provider data.
- 2.5. This item remains open under the ISPACG Planning Team, and is being tracked in the Integrated Action Plan.

3. ACTION BY THE MEETING

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