



WORKING PAPER

FIFTH MEETING OF THE ALLPIRG/ADVISORY GROUP

(Montreal, 23 – 24 March 2006)

Agenda Item 5.1: Funding for regional safety monitoring agencies for reduced vertical separation minima (RVSM), required navigation performance (RNP) and automatic dependent surveillance – contract/controller-pilot data link communications (ADS-C/CPDLC)

ESTABLISHMENT OF A FANS GLOBAL CENTRAL REPORTING AGENCY

(Presented by SITA)

SUMMARY

This working paper presents high level background to the creation of the South Pacific FANS Interoperability Teams (FIT) and associated sub-team – the Central Reporting Agency (CRA). With the expansion of FANS around the globe it is envisaged that there will be a need for FIT and associated CRA function in each region. Given the commonality of the CRA function, this paper recommends that the meeting consider benefits of establishing a single global CRA function that has the potential to realise cost-efficiencies to all involved stakeholders.

Action by ALLPIRG/5 is in paragraph 2.

1. INTRODUCTION

1.1 In order to facilitate the introduction of future air navigation systems (FANS) 1/A services in the South Pacific region, the Informal South Pacific ATS Co-ordinating Group (ISPACG) established a “FANS Interoperability Team” (FIT) that was responsible for addressing technical and operational issues and overall co-ordination of the implementation of the technology.

1.2 However, the FIT realised that a daily on-going support was required to address the implementation and resolve problems reports that were identified as the implementation progressed. The

FIT created a “Central Reporting Agency” (CRA) that was tasked with the daily monitoring, co-ordination, testing and problem research.

1.3 Since its creation, the South Pacific CRA function has been carried out by the Boeing company and has primarily been funded by one State.

1.4 The purpose of the FIT is generally classified as:

- **Problem identification and resolution**
 - Reviewing de-identified problem reports
 - Recommending interim operational procedures until problems resolved
 - Summaries of problems encountered
- **System Performance**
 - Recommending system performance requirements
 - Assessing performance based on monthly status reports
 - Configuration for end-to-end system elements
- **Achieving Benefits**
 - Plans for long term procedural enhancements
 - Co-ordinating implementation of enhanced operational procedures

1.5 The purpose of the CRA is generally classified as:

- Manage data confidentiality agreement with all FIT members who provide Problem Reports
- Develop and administer problem report process:
- De-identify all reports
- Process all reports (track problems to closure)
- Request audit data from data link service providers
- Identify trends
- Administer and monitor informal, end-to-end configuration process
- Process, analyse, and record monthly status reports from ATSUs.
- Coordinate new procedures.

1.6 With FANS services being expanded to other regions (e.g. South China Sea, Bay of Bengal, Middle East, South Atlantic, North Atlantic and Africa) it is expected that each region will foresee the need to establish a FIT and associated CRA function where it has not already been established.

1.7 Whilst there needs to be a FIT dedicated to each region due to the specific regional needs it is quite plausible that a global CRA function is established that would serve all regional FITs given the foreseen functions of the CRA as described above.

1.8 The primary advantages of a global CRA function are:

- Significant cost-savings to ANSPs and participating airlines
- Promotion of consistent approaches to FANS implementation across all ICAO regions
- Increase awareness and information sharing between the regional FITs.

2. **ACTION BY ALLPIRG**

2.1 The ALLPIRG/5 Meeting is invited to:

- a) consider the benefits of adopting the concept of establishing CRA function to support FANS 1/A implementation across all ICAO regions; and, if agreed,
- b) consider the potential means of cost-sharing the CRA function between air navigation service providers using the services.

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