



International Civil Aviation Organization

The 2nd Meeting of the Future Air Navigation Systems Interoperability Team-Asia (FIT-Asia/2)

Bangkok, Thailand, 28 – 29 March 2013

Agenda Item 2: Central Reporting Agency Reports

PROBLEM REPORTS AND CRA ARRANGEMENTS

(Presented by the Secretariat)

SUMMARY

This paper discusses the apparent deficiencies in data-link problem reporting among FIT-Asia States and airspace users, and the lack of arrangements between States and competent Central Reporting Agencies for the analysis of technical performance of data-link systems

This paper relates to –

Strategic Objectives:

A: *Safety – Enhance global civil aviation safety*

C: *Environmental Protection and Sustainable Development of Air Transport – Foster harmonized and economically viable development of international civil aviation that does not unduly harm the environment*

Global Plan Initiatives:

- GPI-2 Reduced vertical separation minima
- GPI-8 Collaborative airspace design and management
- GPI-9 Situational awareness
- GPI-16 Decision support systems and alerting systems
- GPI-17 Data link applications
- GPI-21 Navigation systems
- GPI-22 Communication infrastructure

1. INTRODUCTION

1.1 The FIT-Asia Terms of Reference (TOR, **Attachment 1**) require that it supports FIT-Asia participant States' compliance with ICAO Annex 11 – *Air Traffic Services* and Global Operational Data-Link Document (GOLD) requirements for data-link performance.

1.2 There is a considerable lack of data-link problem reporting among FIT-Asia States and airspace users, and few FIT-Asia States have arrangements in place for the analysis of problem reports by a competent Central Reporting Agency (CRA)¹.

¹ The Asia/Pacific Regional Airspace Safety Monitoring Advisory Group (RASMAG) is responsible for updating and distributing the Regional list of competent airspace safety monitoring organizations for use by States requiring airspace safety monitoring services, including CRA.

2. DISCUSSION

2.1 The FIT-Asia Terms of Reference (TOR, **Attachment 1**) require, *inter-alia*, that it conducts the following activities to support FIT-Asia participant States' compliance with ICAO Annex 11 – *Air Traffic Services* and Global Operational Data-Link Document (GOLD) requirements for data-link performance:

- oversighting system configuration and the end-to-end monitoring process of datalink systems to ensure they are implemented and continue to meet performance, safety, and interoperability requirements within the Asian Region;
- establishing a problem reporting system;
- reviewing de-identified problem reports, identify trends and determining appropriate resolution;
- monitoring the progress of problem resolution;
- preparing summaries of problems encountered and their operational implications;
- determining and validate system performance requirements;
- establishing a performance monitoring system; and
- assessing system performance based on information from the CRA;

2.2 Monitoring, reporting and analysis of data-link performance and problems is essential for the achievement and maintenance of system performance required for the application of RNP based separation standards.

2.3 In order to conduct these activities, arrangements for the reporting and analysis of data-link problems must be made between FIT-Asia States and a competent CRA.

2.4 The meeting is invited to consider the following draft Conclusion:

Draft Conclusion 2/X: ADS/C and CPDLC Problem Reporting and Analysis

That, FIT-Asia States are urged to:

- establish a process for the reporting and analysis of problems relating to ADS-C and CPDLC services to a competent CRA;
- report the establishment of the process to the ICAO Asia/Pacific Regional Office; and
- report the subsequent analysis and progress of problem resolution to FIT-Asia.

3. ACTION BY THE MEETING

3.1 The meeting is invited to: AMEND AS APPROPRIATE

- a) note the information contained in this paper;
- b) consider and discuss the proposed draft Conclusion and
- c) discuss any relevant matters as appropriate.

.....