



International Civil Aviation Organization

The Fourth Meeting of the Bay of Bengal Reduced Horizontal Separation Implementation Task Force (BOB-RHS/TF/4)

Bangkok, Thailand, 18 to 22 October 2010

Agenda Item 3: Operational Issues

**PROGRESS REPORT OF ADS/CPDLC IMPLEMENTATION IN KUALA LUMPUR FIR
OVER BAY OF BENGAL AREA**

(Presented by Malaysia)

SUMMARY

This information paper presents a progress report on the ADS/CPDLC implementation plan in Kuala Lumpur FIR over the Bay of Bengal area.

1. INTRODUCTION

- 1.1 To undertake its commitment to ICAO in carrying out and applying components of the CNS/ATM system, Malaysia has completed the installation of ADS/CPDLC system at Kuala Lumpur ACC in April 2008 and underwent a limited time operational trial between 1500-1900 UTC daily since July 2008 to collect data and monitor the progress of the system.

2. ADS/CPDLC IMPLEMENTATION PROGRESS IN KUALA LUMPUR FIR

2.1 System:

- a) Based on the data collected and feedback from all the Air Traffic Controllers involved, the ADS/CPDLC system underwent a software updates and upgrades for the purpose of customizing some of the application according to the ATC needs and was completed on 7 May 2010.
- b) A limited time-trial for the new customized system was conducted between 1500-1900 UTC daily upon completion of the upgrading process. The system worked satisfactorily according to the required specification and the upgrading process managed to solve some of the problems faced earlier.
- c) Data analysis indicates that the system was in compliance with Fans 1/A Operation Manual document as stated in the contract between DCA Malaysia and the system supplier.

2.2 Operations:

- a) An ADS/CPDLC ATS interoperability bench test with Boeing Lab and Chennai OCC was done on 7 October 2010 at 1400 UTC. The main purpose of this bench test for Malaysia was to test the Next Data Authority and Contact Advisory Data features that

were installed during the previous upgrading process for seamless transfer of traffic to adjacent ACC. It was a successful bench test even though several new problems arises that needed to be looked into and log data has been sent to Boeing Lab for assistance.

- b) A **24-hour operational trial** was started on **11 October 2010 at 1500UTC** with the intention of collecting more information on the system's stability and reliability. It is also to collect data for analysis to ensure it complies with the GOLD document that was recently published.
- c) An AIP Supplement for 24-hour operations is expected to be submitted upon satisfaction with the 24-hour operational trial.

2.3. Training:

- a) An ADS/CPDLC training and refresher course for KL ATCC personnel, which is currently being conducted, expected to be completed on 29 October 2010. Upon completion, the Reduced Horizontal Separation – RHS (50/50nm) training course will begin and is targeted to be completed before 31 January 2011.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to take note of the information provide in this paper.

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