



International Civil Aviation Organization

**THE THIRD MEETING OF ADS-B STUDY AND
IMPLEMENTATION TASK FORCE (ADS-B TF/3)**

Bangkok, Thailand, 23 – 25 March 2005.

Agenda Item 4: Review States' activities on trials and demonstration of ADS-B

PROGRESS IN THE PREPARATION FOR ADS-B OPERATIONAL TRIAL

(Prepared by Thailand)

SUMMARY

This information paper provides a brief update on the recent developments in the preparation for Automatic Dependent Surveillance – Broadcast (ADS-B) operational trial in Bangkok Flight Information Region (FIR).

1. INTRODUCTION

1.1 At the first meeting of the Automatic Dependent Surveillance – Broadcast Study and Implementation Task Force Working Group (ADS-B TF WG), the meeting was informed of the plan by Thailand to initiate an ADS-B operational trial from 2005 for ATC surveillance with the objective of utilizing the technology to back-up existing radar systems and enhance existing surveillance capabilities.

1.2 This information paper provides a brief description of the operational trial and seek to update the meeting on its progress.

2. OPERATIONAL TRIAL

2.1 The operational trial will mainly focus on assessing the system's performance in the local environment utilizing targets of opportunity in Bangkok Flight Information Region (BKK FIR) and the possibility to improve the Secondary Surveillance Radar (SSR) coverage using ADS-B as an additional source. If required, AEROTHAI may also consider equipping the existing flight calibration aircraft with ADS-B avionics.

2.2 A single, non-redundant, ADS-B ground station will be installed. The sites under considerations for the installation of the ADS-B ground station are Bangkok or Phuket at an existing site with appropriate communication link and other necessary infrastructure. This is to reduce the cost for the operational trial. The final decision on the location is expected to be finalized by April-May 2005.

3. CURRENT STATUS

3.1 In December 2004, the Management of AEROTHAI approved the budgetary requirement to conduct the ADS-B operational trial. AEROTHAI is currently in the procurement process and expects the delivery and installation of the equipment to be completed by the third quarter of 2005.

4. ACTION BY THE MEETING

4.1 The meeting is invited to note the information in this information paper.
