



International Civil Aviation Organization

**FIFTEENH MEETING OF THE ADS-B STUDY AND IMPLEMENTATION
TASK FORCE (ADS-B SITF/15)**

Bangkok, Thailand, 18-20 April 2016

**Agenda Item 4: Review States' activities and interregional issues on implementation of
ADS-B and multilateralism**

UPDATE ON ADS-B ACTIVITIES IN CHINA

(Presented by China)

SUMMARY

This information paper presents ADS-B implementation status in China. The paper is an update of the reports provided previously.

1. INTRODUCTION

1.1 This information paper provides ADS-B implementation status in China. The paper is an update of the reports provided previously.

2. DISCUSSION

The National ADS-B Project

2.1 CAAC has revised "ADS-B Implementation Plan for the Civil Aviation of China" on December, 2015. According to the national ADS-B construction project approval and implementation progress, the main revision is to adjust the realization time of each phase.

- Phase 1: At the end of 2017, the initial operation of ADS-B out in China will commence. And the implementation of Automatic Dependent Surveillance - Broadcast (ADS-B) on the ATS routes: B213,B345,B215,A460,H66,L888,H15,Z1,B206,A368,M771,L642,N892 and A1.
- Phase 2: From 2017 to 2020, the key task is comprehensive promotion of ADS-B out, and the safety assessment of ADS-B out.
- Phase 3: From 2020 to 2025, A complete ADS-B operation surveillance system and information service system will be built to provide all-airspace surveillance means for air traffic, and comprehensive ADS-B information services for airlines, and strengthen the safety support capacity and service level of air traffic control.

2.2 At the end of 2017(phase 1), 310 ADS-B ground stations, 2 primary ADS-B data processing centers, and 8 secondary ADS-B data processing centers are going to be deployed. The national ADS-B coverage in this phase is as below:

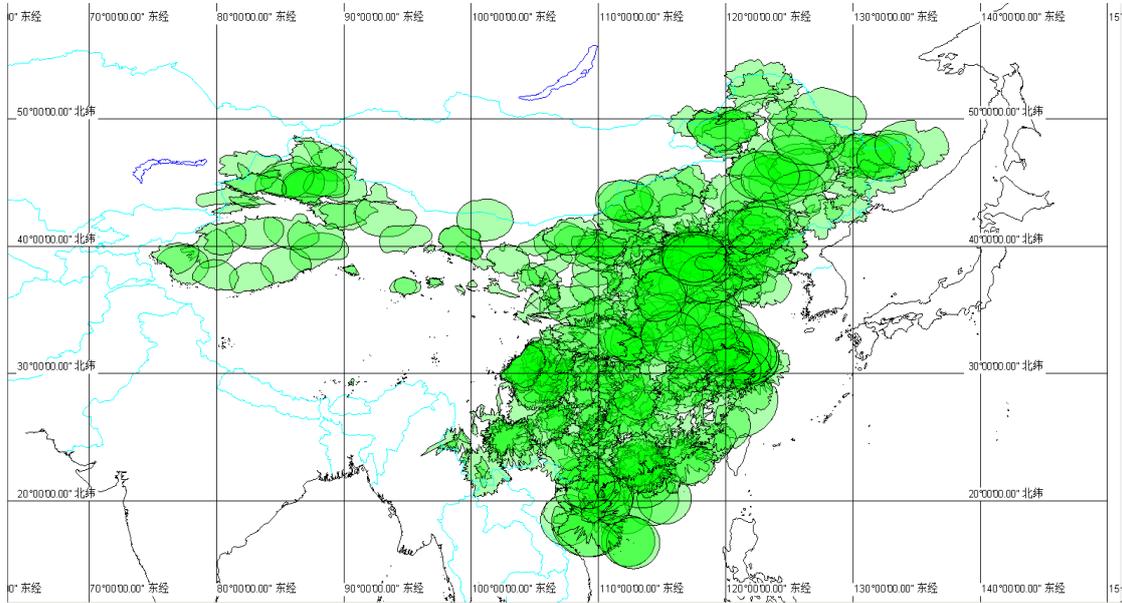


Figure 1: the national ADS-B coverage at 3300m

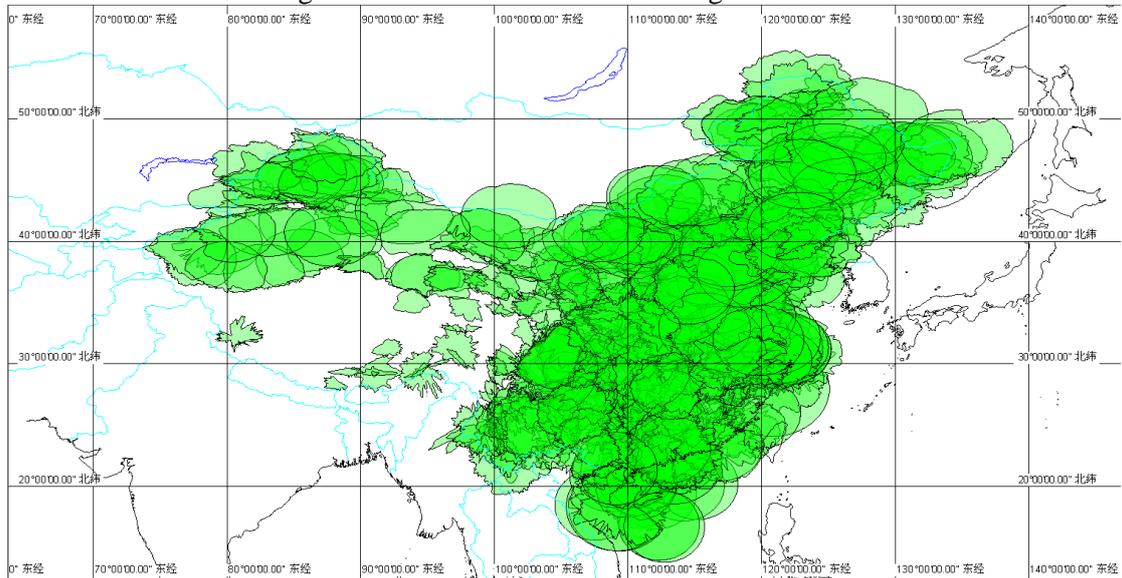


Figure 2: the national ADS-B coverage at 6600m

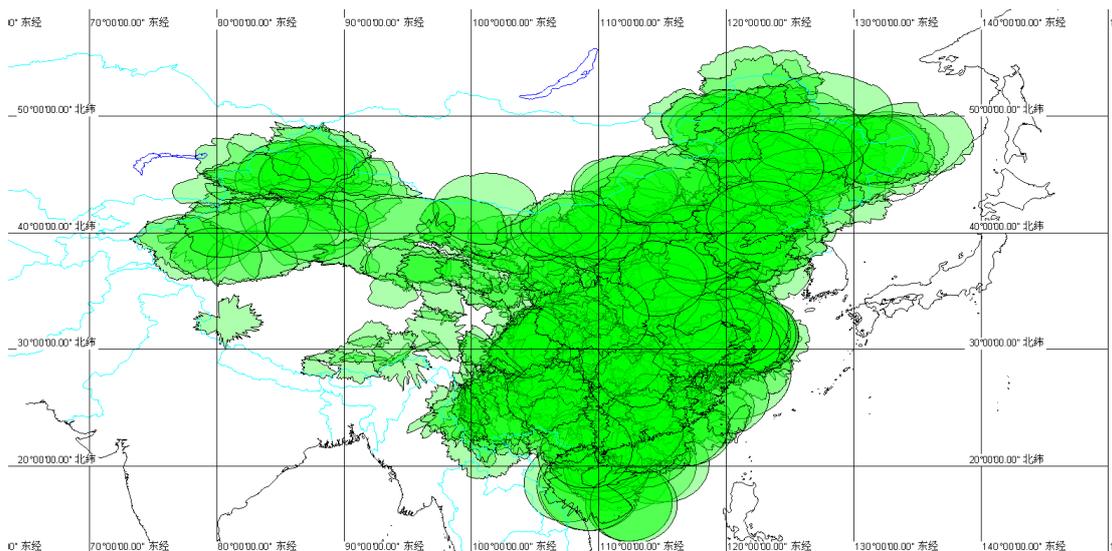


Figure 3: the national ADS-B coverage at 8400m

ADS-B Implementation Status in the South China Sea

2.3 In order to meet the needs of route L642 and M771 in ADS-B surveillance control and to enhance the ADS-B surveillance capacity in Sanya FIR, CAAC has built additional four ADS-B stations within the FIR.

2.4 At present, 4 ADS-B stations and 1 ADS-B data processing station have completed installation, debugging and site acceptance testing. The ATC automation system has completed software upgrade testing which will be put into operation shortly. The Surveillance coverage in this area will be much improved.

ADS-B Data Sharing

2.5 China would like to share the ADS-B data from the ADS-B data processing center with neighbouring States/Administrations.

3. ACTION REQUIRED BY THE MEETING

3.1 The meeting is invited to:

- a) note the ADS-B implementation status in China; and
- b) discuss any relevant matters as appropriate.
