



**International Civil Aviation Organization**  
**The Second Meeting of South China Sea Major Traffic Flow Review Group**  
**(SCS-MTFRG/2)**  
 Haikou, China, 22-24 July 2015

**Agenda Item 4: Review of the current and planned CNS/ATM capabilities and identifying associated reduced horizontal separation**

***Review of Communications and Surveillance Coverage in SCS***

(Presented by Secretariat)

**SUMMARY**

The availability of CNS is the cornerstone for any airspace review leading to route and/or airspace capacity enhancements. To further the work of the SCS MTFRG, a relook at existing communications and surveillance data over the SCS, with a view to obtaining the latest infrastructure updates is crucial

**1. INTRODUCTION**

- 1.1 In any planning endeavour, up to date and relevant information can play a vital role in determining the direction, focus and the targeting of reachable goals. In airspace planning, the available CNS infrastructure is a precursor to the planning process.
1. This importance can be seen from the various initiatives undertaken by various planning, implementation groups and task forces. Gaps in surveillance and communications coverage were presented by two states during the APSAPG meetings. Both the Automatic Dependent Surveillance – Broadcast (ADS-B) Study and Implementation Task Force (ADS-B SITF) and the South East Asia Sub-Regional ADS-B Implementation Working Group (SEA ADS-B WG), among others have done data collection and analysis.

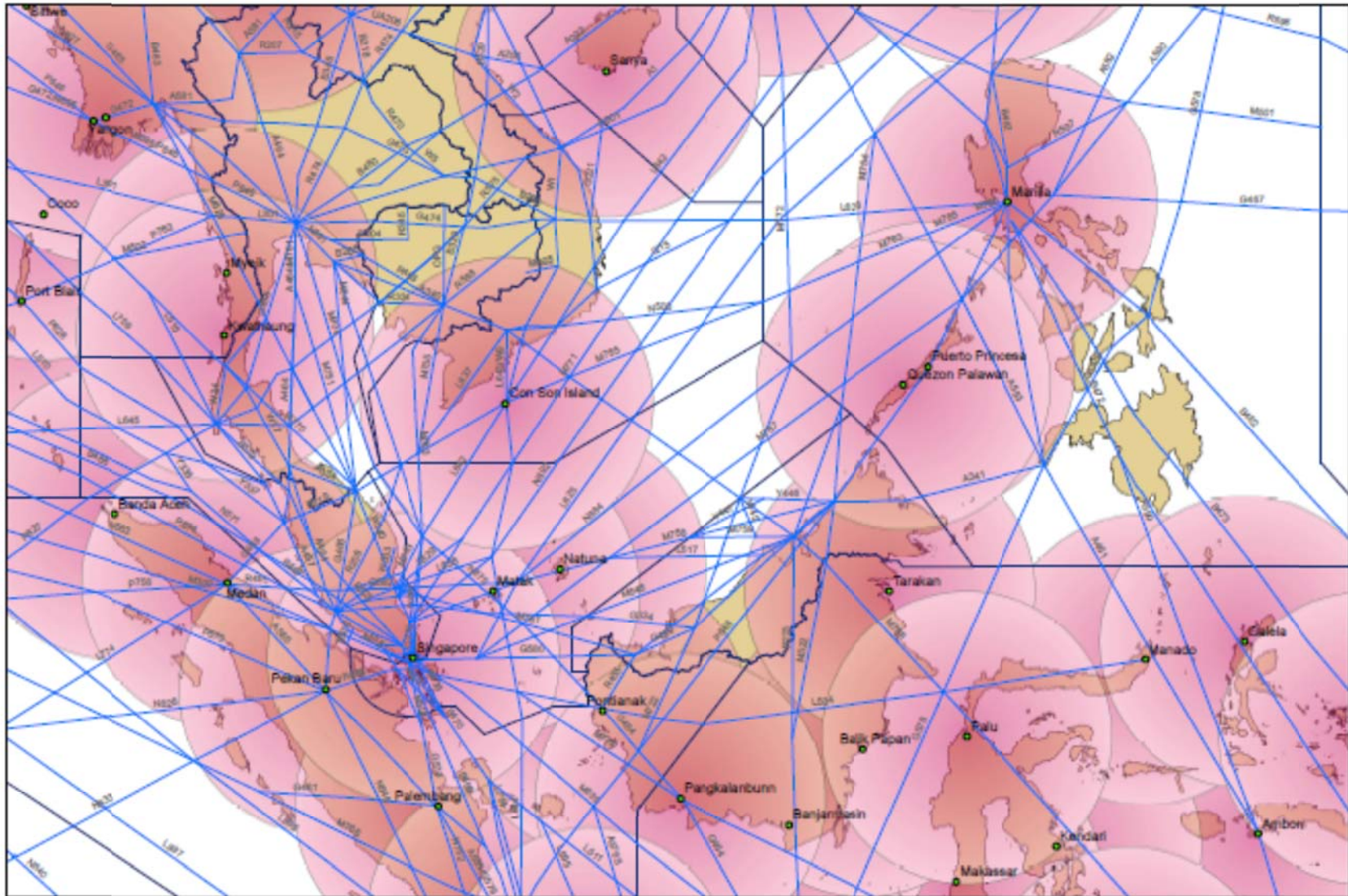
**2. DISCUSSION**

- 2.1 A key aspect to these surveys were the intention of sharing of ADS-B data well as enhancing DCPC through VHF communications. Of greater relevance was the exploration of possibilities on how to leverage on these overlapping coverages.
- 2.2 The information gathered from one these sources is attached as an appendix to this working paper. However, there is a need to revise and update these as well as gather and compile information pending and future infrastructure deployments and their respective timelines. It is envisaged that the compilation of these data will be of significance to the progress of this review groups tasks.

**3. ACTION BY THE MEETING**

- 3.1 The meeting is invited to:
- a) review the communications and surveillance data available
  - b) discuss the advantages of compiling surveillance and communications data for SCS
  - c) decide, if required on responsibilities and modalities of collection of updated information on surveillance and communications, including timelines thereof.

### ADS-B Locations (South China Sea)





### SSR Locations (South China Sea)

