



**International Civil Aviation Organization**  
**The Third Meeting of South China Sea Major Traffic Flow Review Group**  
**(SCS-MTFRG/3)**  
Bangkok, Thailand, 25-27 February 2016

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Agenda Item 2: Review of the current and planned CNS/ATM capabilities and identifying associated reduced horizontal separation

VHF, SSR, and ADS-B Coverage in WPAC/SCS

(Presented by Monitoring Agency for Asia Region)

**SUMMARY**

This paper presents a visualization of VHF, SSR, and ADS-B ideal coverage in WPAC/SCS airspace to assist SCS-MTFRG in reviewing and improving the existing route structures in the SCS Airspace.

## 1. INTRODUCTION

1.1 At SCS-MTFRG/3, MAAR was tasked to collect communication and surveillance information from States and plot the information geographically so that SCS-MTFRG can utilize the information to find opportunities to improve the existing SCS route structures.

## 2. DISCUSSION

### Data Limitations

2.1 Since some States could not submit the updated data in time, MAAR used legacy data for the following:

- Malaysia's VHF sites
- Sanya FIR's VHF and surveillance sites
- Lao PDR and Cambodia

### Generated Charts

2.2 **Attachment 1** shows a map of **VHF sites and their ideal coverage** by country in the region.

2.3 **Attachment 2** shows a map of **surveillance sensor sites and their ideal coverage** by country in the region.

2.4 **Attachment 3** shows a map of **surveillance sensor sites and their ideal coverage** by sensor type in the region.

## 3. ACTION BY THE MEETING

3.1 The meeting is invited to:

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