



ICAO

International Civil Aviation Organization

**Fifth Meeting of the Asia/Pacific Air Traffic
Management Automation System Task Force (APAC
ATMAS TF/5)**

Chengdu, China, 5 – 7 June 2024

Agenda Item 4: ATM Automation System Implementation Experience by States

4.1 ATM Automation System Implementation Issues sharing

4.4 Integration with External Systems

INTEGRATION OF BATARAZA ADS-B DATA IN PHILIPPINES ATM AUTOMATION SYSTEM

(Presented by Philippines)

SUMMARY

This paper presents an update of the joint Philippine Singapore ADS-B project.

1. INTRODUCTION

1.1 The Philippines and Singapore signed an ADS-B collaboration agreement in October 2015 providing ADS-B data at Bataraza Philippines for Singapore. This covers parts of the surveillance on the ATS routes N884 and M767.

1.2 This paper presents an update of the joint Philippine Singapore ADS-B project and the integration process in the Philippine ATM Automation.

2. DISCUSSION

BATARAZA ADS-B DATA IN PHILIPPINE ATM SYSTEM

2.1 The collaboration agreement between the Civil Aviation Authority of the Philippines and the Civil Aviation Authority of Singapore (CAAS) ADS-B project provides an additional layer of surveillance coverage specifically in the Southwestern part of Palawan on air routes N884 and M767.

2.2 It will also reinforce the safety and efficiency of air traffic services for ATC air situation display and include the ability to perform life-saving search and rescue missions.

2.3 Below, shows typical coverage of installed ADS-B at the Bataraza Palawan.

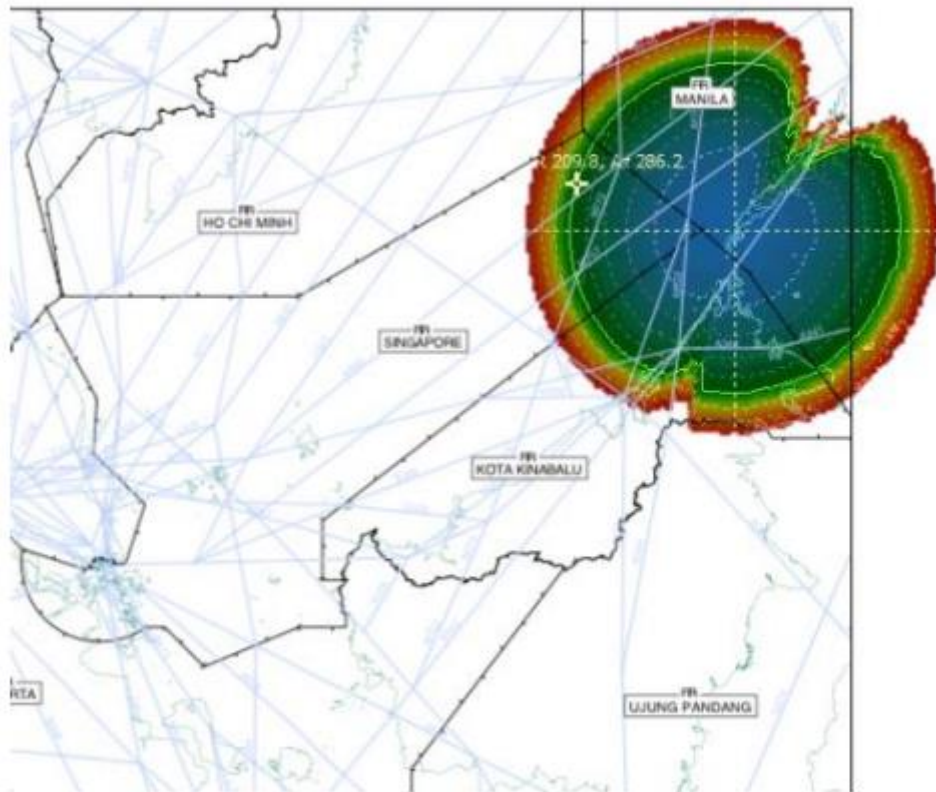


Figure 2. Bataraza ADS-B Coverage (source: CAAS)

INTEGRATION of BATARAZA ADS-B DATA

2.4 To address the safety of operations, the Civil Aviation Authority of the Philippines has signed a software support and services contract with the vendor of Philippine ATM Automation System including an integration project.

2.5 The ADS-B data has already been transmitted at the demarcation point of the Philippine ATM Center through a satellite VSAT communication link and the target date for integration is at the end of 2Q2024 including tuning.

2.6 To date, the BATARAZA ADS-B data is already monitored on a separate platform in the Philippine ATM Center. The ADS-B ASTERIX format, multicast address and ports were identified and to be configured in the Philippine ATM Automation System.

Conclusion

2.7 With the integration of BATARAZA ADS-B, the capability of surveillance in the southwestern part of the Philippines will significantly increase and give a safe, orderly flow of air traffic at various reporting points. It also adds a layer to the existing Palawan SSR and ADS-C surveillance performance for better air situation display in the Philippine ATM Automation System.

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 matter as appropriate.
