



ICAO

International Civil Aviation Organization

**Fifth Meeting of the Surveillance Implementation
Coordination Group (SURICG/5)**

Web-conference, 22 – 24 September 2020

Agenda Item 4: Review the Action Items from SURICG/4 Meeting

ACTION ITEMS FROM SURICG/4

(Presented by the Secretariat)

SUMMARY

This paper presents the action items updated at SURICG/4 Meeting for review and further updates by this meeting.

1. INTRODUCTION

1.1 The SURICG/4 meeting held in April 2019 reviewed and updated the task/action items from SURICG/3 meeting.

2. DISCUSSIONS

2.1 The list of action items consolidated up to SURICG/4 meeting is provided in **Appendix A** to this paper for further review and updates.

2.2 As one of the follow-up actions to Action Item 1, the meeting is also invited to update the information in **Appendix B** to this paper on the status of ground stations that able to receive and process DO260B compliant data, last update of which was done in April 2019 by SURICG/4 meeting, and further viewed by SEA/BOB WG/15 meeting in December 2019. Considering almost all ground stations having been complaint with Version 2 (ADS-B DO260B), the SEA/BOB WG/15 meeting agreed that this historical table is no longer required for review at future meetings.

3. ACTION BY THE MEETING

3.1 The meeting is expected to review and update the actions items provided in the **Appendix A** and identify ways for SURICG to follow up, and take appropriate action on **Appendix B**.

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Appendix A to WP/04

LIST OF ACTION ITMES FOR SURICG

No.	Subject	Forum Raised	Status / Target Date	Remarks / follow-up	Action Party	Status
1.	States to advise when their ground stations can be upgraded to receive ADS-B DO260B compliant ADS-B data. A survey was conducted during ADS-B SITF/13 (Appendix E). On-going bases	SEA/BOB WG/9	On-going (Review Appendix B to SURICG/4 -WP/3)	Further updates the Table and report to SURICG/5	All States/ Administrations	On-going Table updated and maintained by SURICG
2.	Develop and implement regional collaboration project for ADS-B out operational use including data sharing in South Pacific and report on implementation progress.	Previous meeting of ADS-B SITF and ADS-B SITF/14	SURICG/4	SURICG/5	South Pacific States On-going Transferred to SURICG	On-going Initial stage Report by Ad Hoc WG at ADS-B SITF14
3.	Perform data collection and data analysis of ADS-B messages to examine GPS performance in different geographic areas.	Previous meetings of ADS-B SITF and ADS-B WGs	SURICG/5	Report of data collected and analysed - continuous	All Members On-going Transferred to SURICG	On-going, USA and China to provide papers
4.	Develop guidance material on ICAO aircraft address monitoring for inclusion in AIGD	SURICG/2	SURICG/5	Status report and procedure on identify a/c address problem and reporting path.	Co-chairs, Japan	Japan agreed to provide a working paper in SURICG/5 on provision of more detailed guidance materials on this subject.
5.	Examine the density of Mode S radar installations in the Region to determine the need for development of a SI code allocation/implementation plan and related issues	SURICG/2	SURICG/4	Review the status of coordination for Mode S II CODEs allocation	Secretariat in consultation with States. Tasked to ICAO sec. & DAPS WG	Updates to Modes S SI code still not very active by States. Current information shows that II code is still sufficient.

LIST OF ACTION ITEMS FOR SURICG

No.	Subject	Forum Raised	Status / Target Date	Remarks / follow-up	Action Party	Status
6.	New definition of ADS-B implementation in the Seamless reporting in i-Star and focal point nominated by States/Administration be notified for follow-up actions	SURICG/2	SURICG/5	Report status	Secretariat and States	Status updates in the Seamless ATM Plan is slow
7.	Review outcome of DAPs WG	SURICG/4	SURICG/5		DAPs WG and secretariat	
8.	Review APAC regional Surveillance Strategy and revise when necessary	SURICG/4	SURICG/6		Co-Chairs and secretariat	

SURICG/2 agreed to keep subject list resulted from the ADS-B SITF/15 for consideration by States in preparation of further SURICG meetings.

All members States/Administrations to contribute with papers at next meeting on any of the following items.

- ASBUs relating to ADS-B IN
- Implementation of Space Based ADS-B
- ASBU B0-NET using ADS-B
- Use of lower cost, lower performance ADS-B systems (TSO199)
- Use of Mode S DAPS in APAC region
- Use of electronic scan primary radars in APAC region
- Use of Mode C transponder veils in APAC region
- Use of Flight ID data from mode S interrogation and ADS-B
- Mode S problem reporting in APAC region
- Mode S analysis tools used in APAC region
- ADS-B test equipment used in APAC region
- Need to amend SUPPs 7030 on SIL matter
- Management issues with 24 bit ICAO codes in APAC
- Update and maintain ADS-B problem database
- Consider need for aircraft transponder Mode S mandates

SURICG/5
Appendix B to WP/04

DO260B compliant ADS-B ground stations in APAC Region					
State or Administration	No. of ADS-B Ground Stations Installed	DO260B Compliant?			
		Yes (all)	Yes (some)	No	If <u>some</u> or <u>No</u> , planned date of full DO260B capability
Australia	50	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All ADS-B and WAM systems upgraded.
Bangladesh	Nil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Brunei	5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
China	354	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All stations have 260B ADS-B OUT Compliant.
Hong Kong, China	9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Macao, China	Nil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No current plans for ADS-B
France (French Polynesia)	Nil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No current GS
Fiji	11	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
India	21	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Indonesia	30	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Upgraded 10 Stations compliant in 2017 and 20 more compliant in 2 nd Q 2019

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DO260B compliant ADS-B ground stations in APAC Region					
State or Administration	No. of ADS-B Ground Stations Installed	DO260B Compliant?			
		Yes (all)	Yes (some)	No	If <u>some</u> or <u>No</u> , planned date of full DO260B capability
Japan	Nil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No operational GS yet.
Malaysia	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2 DO-260B compliant GS installed in West Malaysia. Additional 4 DO-260B compliant GS will be installed in East Malaysia. Kuala Terengganu currently DO-260A will be upgraded to DO260B compliant.
Maldives	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not yet determined.
Myanmar	5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3 DO260B compliant
Nepal	Nil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
New Zealand	34	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pakistan	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Test basis.
Papua New Guinea	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Philippines	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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DO260B compliant ADS-B ground stations in APAC Region						
State or Administration	No. of ADS-B Ground Stations Installed	DO260B Compliant?				If <u>some</u> or <u>No</u> , planned date of full DO260B capability
		Yes (all)	Yes (some)	No		
Republic of Korea	11	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		10 stations will have 260B ADS-B OUT Compliant by 2019. 1 station is not determined for upgrading to DO260 B compliant
Singapore	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sri Lanka	5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Thailand	6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Test basis
USA	634	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Viet Nam	12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
