International Civil Aviation Organization

The Second Meeting of the Asia/Pacific Air Traffic Management Automation System Task Force (APAC ATMAS TF/2)

Video Tele-Conference, 14 - 16 September 2021

Agenda Item 3: Global and Regional ATM Automation System Updates

REPOSITORY OF THE ATMAS IN APAC

(Presented by Indonesia and the Secretariat)

SUMMARY

This paper presents the Table of the Current ATMAS Status in APAC proposed by Indonesia and invites States/Administrations to review and take necessary actions to make the regional repository.

1. INTRODUCTION

1.1 The ICAO Asia Pacific Regional ATM Automation System Symposium (APAC RATMS) was held in Nanjing, China, from *22 to 23 November 2018*. The symposium recognized a need for States/Administrations to take stock of fallback systems available for all of their ATM automation systems and for the ICAO to conduct a survey on States regarding their provisions of main and fallback ATM automation systems, their functionality/capability/capacity, and any future resilience improvement plan.

1.2 The First Meeting of the Asia/Pacific Air Traffic Management Automation System Task Force (ATMAS TF/1) was held from *27 to 30 October 2020*. In this meeting, Indonesia presented IP/03: *ATM Automation System in Indonesia* and introduced the phased approach in ATMAS implementation from System Plan and Design System, Installation and Commissioning to Operational Transition.

1.3 Based on Indonesia's sharing, the meeting recalled the proposal by ATM automation System Symposium held in 2018 to establish a repository of the ATM automation systems implemented by States. The meeting agreed to develop this further with inputs with States as **ACTION ITEM 1-1:** *Develop a table to list the current ATMAS status for all states* for this task force.

2. DISCUSSION

2.1 In order to follow up the **ACTION ITEM 1-1** of ATMAS TF/1 to build a repository of ATMAS implementation status in APAC, Indonesia has worked on the table design and proposed a draft Table of Current ATMAS Status for all States as provided in **Appendix A** to this paper. The table is designed based on the Appendix A (Recommended Functions and Performances of Air Traffic Management Automation System) of the ATMAS TF/1 report and is expected to take the ATM automation system information from States on system status, system manufacture, functional baseline to optional function.

2.2 The meeting is invited to review this table and make further amendments if necessary. The Member States are suggested to use the table during the meeting and propose feedback to the Secretariat. While filling the table, the Member States are recommended to refer to the document "Recommended Functions and Performances of Air Traffic Management Automation System" which is still under development by this task force.

2.3 Once the table discussed and agreed by the meeting, the ICAO Secretariat will take necessary actions in due course to circulate the table to collect information in order to build the repository of the ATM automation systems for APAC Region.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

a) note the information contained in this paper;

b) review the Table of Current ATMAS Status provided as **Appendix A** to this paper**,** amend if necessary and fill the table ; and

c) discuss any relevant matter as appropriate.

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Table of Current ATMAS Status

Reporting Year :

This page represent only for 1 system		
1	**State**	:
2	**FIR**	:
3	**ATS Unit / Location**	:
4	**Manufacture / Brand / Version**	:
5	**System Status**	
	☐ Main	
	☐ Back Up	
	☐ Emergency	

No	Function	Yes	No	Remark
A	**System Functional Baseline**			
1	Surveillance Data Processing Function (SDP)			
2	Flight Data Processing Function (FDP)			
3	Bypass Surveillance Data Processing Function (BSDPP)			
4	Correlation of suveillance and flight data			
5	Alerts and Warning Function			
	a MSAW abreviation			
	b STCA			
	c APW			
	d APM			
	e DPM			
6	Meteorological Information Processing Function			
7	Air Ground Data Link Function (AGDL)			
8	Variable System Parameter Management Function			
9	ATS Inter-facility Data Communication Function (AIDC)			
10	Human Machine Interface Function (HMI			
11	Recording and Playback Function			
12	System Monitoring and Controlling Function			
13	Software Version Management Function			
14	GNSS Time Synchronization			

No	Function	Yes	No	Remark
B	**SYSTEM OPTIONAL FUNCTION**			
1	Extended Surveillance Data Processing			
2	Extended Correlation			
3	Extended Alerts and Warning			
	a Multi Runway NTZ Alert Function			
	b Medium Term Conflict Detection Warning Function (MTCD)			
	c Route Adherence Monitoring (RAM):			
	d Cleared Level Adherence Monitoring (CLAM)			
	e Departure No Transgression Zone (DTZ)			
	f Similar Callsign Warning Function (SC)			
	g Reduced Vertical Separation Minimum Warning Function (RVSM)			
	h Position Report Monitoring (PMON) Warning.			
4	Downlink Aircraft Parameters Processing and Display Function			
5	AMAN			
6	System Log Management Function			
7	Enhancement Record and Replay Function			
8	Recategorization Function			
9	Operational Data Synchronization Function			please mention time to recover from main to back up (…….....s)
10	Statistics and Analysis			

Additional Information

This form represents for one automation system
Please Refer to doc RECOMMENDED FUNCTIONS AND PERFORMANCES OF AIR TRAFFIC MANAGEMENT AUTOMATION SYSTEM
and also mention the actual condition of each item whether normal operation or unserviceable