



International Civil Aviation Organization

**THE FIRST MEETING OF ASIA/PACIFIC ATS INTER-FACILITY
DATA-LINK COMMUNICATION (AIDC) IMPLEMENTATION
TASK FORCE (APATF/1) OF APANPIRG**

Bangkok, Thailand, 16-18 June 2015

**Agenda Item 8: Sharing of experience on AIDC implementation including training and
implementation packages**

**ATS INTERFACILITY DATA COMMUNICATION (AIDC) IMPLEMENTATION IN
MALAYSIA WITH ADJACENT ATS UNITS**

(Presented by Malaysia)

SUMMARY

This paper presents the status of AIDC implementation in Malaysia (Kuala Lumpur ATCC, Kota Kinabalu ATCC and Kuching ATCC) with relevant adjacent ATS units.

1. INTRODUCTION

1.1 As one of the main elements in ASBU Block-0, AIDC is an automated system that facilitates routine coordination by providing a reliable and timely data exchange between ATS units in which accurate information can be derived directly from the system, thus effectively reducing controllers' workload.

1.2 As of date, Malaysia has initiated AIDC tests with India, Singapore and Indonesia. The tests result have been mostly successful.

1.3 Subsequently, Malaysia is planning to conduct AIDC tests with Thailand, Vietnam and Philippines in stages, which can be seen in Appendix A.

2. DISCUSSION

2.1 Malaysia is currently using APAC AIDC ICD version 3 in the automation system installed at all the ATS units i.e. Kuala Lumpur ATCC, Kota Kinabalu ATCC and Kuching ATCC.

Implementation in Kuala Lumpur ATCC

2.2 Extensive trials have been carried out between KL ATCC - Chennai ACC since 2013 and between KL ATCC - Singapore ACC since January 2015 and the results have been encouraging.

2.3 During the trials, a number of technical and operational issues were identified, many of which have been resolved. Some pending operational (parameters to be used) and procedural issues are currently being analyzed and hopefully would be resolved in the near future.

2.4 Initial discussion has been carried out with Bangkok ACC and Ho Chi Minh ACC to conduct the trials which are expected to commence in the third quarter of 2015.

Implementation in Kota Kinabalu ATCC

2.5 Since 2011, AIDC coordination between Kota Kinabalu and Kuching ATCC has been operationally successful by using the IP-based connectivity. However, the implementation of AIDC with Adjacent FIRs requires the use of AFTN connectivity. Due to technical issues (if using both IP-based and AFTN-based simultaneously), the IP-based connectivity has been replaced with AFTN connectivity in the AIDC operation between Kota Kinabalu ATCC and Kuching ATCC starting from November 2014. The change did not affect the coordination operation via AIDC between the two ATCCs.

2.6 A series of trials has been carried out between Kota Kinabalu ATCC and Singapore ACC in December 2014 as well as between Kota Kinabalu ATCC and Makasar ATSC in April 2015. A number of operational and technical issues were identified and resolved. Nevertheless, the results from the trials have been encouraging and the move towards official implementation of the AIDC system with Singapore ACC and Makasar ATSC, which is planned to commence early 2016, is currently showing good progress.

2.7 AIDC tests between Kota Kinabalu ATCC, Manila ACC and Brunei have been planned for the third quarter of 2015. A preliminary discussion with related person-in-charge for each state is expected to be initiated during this meeting (APA TF/1).

Implementation in Kuching ATCC

2.8 AIDC operations between Kuching ATCC and Kota Kinabalu ATCC are currently and successfully being implemented as explained in para 2.5 and 2.6.

2.9 The trials with Singapore ACC have been conducted with some technical and operational findings that were identified and are currently being resolved.

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.

AIDC Implementation Schedule in Malaysia

ATS Units	India		Singapore		Indonesia (Jakarta)		Vietnam	
	Test	Operational Trial	Test	Operational Trial	Test	Operational Trial	Test	Operational Trial
Kuala Lumpur	2013	1Q 2016	Jan 2014	Jan 2016	TBC*	TBC*	3Q 2015	1Q 2016
Kota Kinabalu			Dec 2014	Dec 2015				
Kuching			Dec 2014	Feb 2016				

ATS Units	Indonesia (Makasar)		Philippine		Brunei		Thailand	
	Test	Operational Trial	Test	Operational Trial	Test	Operational Trial	Test	Operational Trial
Kuala Lumpur							4Q 2015	2Q 2016
Kota Kinabalu	April 2015	4Q 2015	3Q 2015	2Q 2016	TBC*	TBC*		
Kuching					TBC*	TBC*		

* undetermine due to no information whether the system of the adjacent ATS Units are AIDC capable or not.