



ICAO

International Civil Aviation Organization

Sixth Meeting of the Asia/Pacific ATS Inter-facility Data-link Communication Implementation Task Force (APA TF/6) of APANPIRG

Web-Conference, 14 – 16 July 2020.

Agenda Item 3: Status of implementation plan focusing those connections identified with priorities

AIDC IMPLEMENTATION IN THAILAND

(Presented by Thailand)

SUMMARY

This paper presents progress of AIDC implementation in Thailand including latest information about AIDC activities in Thailand during the past year and current status of AIDC implementation plan.

1. INTRODUCTION

1.1 Bangkok FIR (Thailand) has four adjacent FIRs, including Kuala Lumpur FIR (Malaysia), Vientiane FIR (Lao PDR), Phnom Penh FIR (Cambodia), and Yangon FIR (Myanmar).

1.2 Thailand has implemented AIDC connection with Malaysia since early this year. AIDC Implementation between Thailand and Lao PDR is agreed for operational in July 2020. This paper details on AIDC activities and information regarding the AIDC implementation plan in Thailand.

2. DISCUSSION

2.1 Thailand has recently commissioned the new Air Traffic Management (ATM) system, namely Thailand Modernization CNS/ATM System (TMCS) since 12th February 2020. The AIDC activities have been carried out with this newly implemented ATM system.

AIDC Implementation with Malaysia

2.2 After commissioning the new ATM system (TMCS), Thailand progressed on AIDC implementation plan with Kuala Lumpur FIR (Malaysia) implementation. Thailand-Malaysia AIDC is the first implemented Thailand's AIDC connection, commenced on 4th March 2020. Thailand-Malaysia air traffic is among the largest international flight movements in Thailand. However, after the AIDC implementation, traffic movements between Thailand and Malaysia has started to decrease significantly due to state measures against COVID-19 pandemic. The following table depicts AIDC statistical information in June 2020 that describes the most recent situation regarding Thailand-Malaysia AIDC coordination.

Agenda Item 3

14-16/07/20

Flights	Average Flights / Day	Total Number of Flights (1 st -30 th June 2020)	EST/ACP Success Flights (1 st -30 th June 2020)	Success Rate
Thailand to Malaysia	13	387	341	88.11%
Malaysia to Thailand	13	370	327	88.38%
Total	26	757	668	88.24%

AIDC Implementation with Lao PDR

2.3 With a certain level of satisfactory on AIDC operational trial, Thailand and Lao PDR are agreed to implement AIDC connection operationally. The effective date is starting from 14th July 2020. Air traffic crossing Thailand-Lao PDR boundary is the first largest number of international flights in Thailand. The most recent information regarding Thailand-Lao PDR AIDC communication in June 2020 is shown in table below.

Flights	Average Flights / Day	Total Number of Flights (1 st -30 th June 2020)	EST/ACP Success Flights (1 st -30 th June 2020)	Success Rate
Thailand to Lao PDR	41	1,212	1,120	92.41%
Lao PDR to Thailand	37	1,105	1,045	94.57%
Total	78	2,317	2,165	93.44%

Thailand AIDC Implementation Status

2.4 AIDC operational trials with Phnom Penh FIR (Cambodia) and Yangon FIR (Myanmar) are ongoing processes. The AIDC operational trial is 24-hour flight coordination trial using AIDC with real operational ATM system. From this period until the target implementation date, the issues found during the trials shall be collected and exchanged between parties for further improvement in AIDC implementation. Current Thailand AIDC implementation status with all adjacent ATSU is summarized in the following table.

Thailand	Adjacent ATSU	AIDC Message	Implementation Date
Bangkok ACC	Kuala Lumpur ATCC (Malaysia)	EST, ACP, LAM, LRM	14 th March 2020 (Implemented)
Bangkok ACC	Vientiane ACC (Lao PDR)	ABI, EST, ACP, TOC, AOC, LAM, LRM	14 th July 2020 (Implemented)
Bangkok ACC	Phnom Penh ACC (Cambodia)	ABI, EST, ACP, TOC, AOC, LAM, LRM	3Q 2020
Bangkok ACC	Yangon ACC (Myanmar)	ABI, EST, ACP, LAM, LRM	4Q 2020

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
