



ICAO

*International Civil Aviation Organization***Seventh Meeting of the Asia/Pacific ATS Inter-Facility
Data-Link Communication Implementation Task
Force (APA TF/7) of APANPIRG**

Video Teleconference,

Agenda Item 3: Sharing of experience on AIDC implementation and update the implementation status

PROGRESS OF AIDC IMPLEMENTATION IN LAO PDR

(Presented by Lao PDR)

SUMMARY

This paper aims to present a brief overview status of the AIDC Implementation in Lao PDR and plan of AIDC operational trials.

1. INTRODUCTION

Lao PDR has implemented AIDC system since 2016. It is successfully implemented on AIDC with Bangkok and Phnom Penh ACCs in 2020. In addition, Lao PDR has stipulated AIDC operational trials with the adjacent ACCs to bolster the aircraft control, particularly to reduce ATC workload. Therefore, this paper provides the overview status on AIDC operation and AIDC operational trials plan with AIDC coordination partners.

2. AIDC Implementation

Lao PDR has successfully implemented AIDC with Bangkok and Phnom Penh ACCs on AIDC messages (ABI, EST, ACP, TOC, and AOC). The effective dates are prescribed below:

- 1) Vientiane ACC and Phnom Penh ACC. AIDC operation was effective on 02 January 2020
- 2) Vientiane ACC and Bangkok ACC. AIDC operation was effective on 14 July 2020.

3. AIDC Operational Trials Plan

Lao PDR has defined plan to perform AIDC operational trials with other adjacent ACCs by using AIDC messages (ABI, EST, TOC and AOC) as shown below:

- 1) Vientiane ACC and Kunming ACC. AIDC Tests have been started with Kunming ACC since 3 January 2019.
 - During the tests, the problem on ODF 3 occurred and the trial was suspended.
 - In addition, a message sending time issue was observed. A new direct communication line between KACC and VACC has been installed and is used since end of 2020.
 - AIDC pre-operational trial is carried out yet again since 08 January 2021.

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- During the trial, the problem that encountered was the flight plan information, especially GPS coordinates of route field.
- 2) Vientiane ACC and Hanoi/ Ho Chi Minh ACCs. During the trial with Hanoi ACC, the problem on ODF 3 was resolved. AIDC pre-operational trial was ongoing again during 18 June to 23 July, 2020 period and so far there is still a pending on establishing the LOA with Hanoi ACC. For AIDC trial with Hochi Minh ACC is on standby mode.
- 3) Vientiane ACC and Yangon ACC. AIDC Pre-operational trial has started with Yangon ACC since 2019. And AIDC operational trial was conducted again during 16 March to 16 June, 2020. Nowadays, AIDC pre-operational trial is carried out from Vientiane ACC. However, Yangon ACC's AIDC system has not responded to VACC.

4. ACTION BY THE MEETING

4.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) discuss any relevant matter as appropriate
