



International Civil Aviation Organization

The Fourth Meeting of the Future Air Navigation Systems Interoperability Team-Asia (FIT-Asia/4)

Bangkok, Thailand, 25-26 May 2015

Agenda Item 3: Review of ADS/CPDLC Operations

ADSC and DATA LINK IMPLEMENTATION IN INDONESIA FIR

(Presented by INDONESIA)

SUMMARY

This paper presents history of data link implementation in Indonesia FIR, and the advantages to have the services on the ATS system.

1. INTRODUCTION

1.1 To ensure the ability of surveillance and communication between pilot and controller in order to achieve the objectives of increasing the level of safety and maintain accurate awareness of the air traffic situation, ANSP and government of Indonesia took action to implementing the ADS-C/CPDLC operational in Jakarta FIR and Ujung pandang FIR.

1.2 ADS-C/CPDLC services within Ujung pandang FIR on international routes, CPDLC as a primary means communication with suitable equipped aircraft beyond the range of voice VHF and HF and secondary means within voice VHF and HF range.

1.3 Ujung pandang FIR has been provide the services since October 2008 as a trial operational and permanently established the services 23rd September 2010. Ujung pandang AFN LOGON WAAF.

1.4 Jakarta FIR trial operational has been running two phases:

- Phase I : From April 13th –July 3rd, 2014 between 12:00UTC-00:00UTC
- Phase II: From July 4th – October 3rd, 2014 between 09:00UTC-23:59UTC

1.4 ADS-C/CPDLC trial within Jakarta FIR on all ATS routes within the Indian ocean upper control area (UIOS UTA), Banda aceh, upper control area (UBAC UTA) and bandung Upper control area (UBND UTA). ADS-C/CPDLC will be used as primary communication within UIOS UTA on the route portion L774, L896, M766, N646, N572 and N633 HF voice as secondary.

2. DISCUSSION

2.1 ADS-C/CPDLC coverage Ujung pandang and Jakarta FIR (you can see on attachment A)

2.2 ADS-C/CPDLC TRIAL coverage Jakarta FIR (you can see on attachment B)

2.3 On this occasion, we can be reported that the trial conduct of full operation have been conducted successfully without any significant matter, although ADS-C/CPDLC in Jakarta FIR facility still stand alone, not integrated with ATC system.

2.4 Before we will publish next phase to conduct of full operation, we have planed to improve our ADS-C/CPDLC facility. Improvement of ADS-C/CPDLC facility will be conduct on September 2015, intregated with the JATSC ATC system (Jakarta FIR).

2.5 Jakarta FIR AFN LOGON been changed to WIII. Based on AIRAC AIP supplement Number : 04/14 February 20, 2104

2.6 Gold Format will established on June 2015.

3. ACTION BY THE MEETING

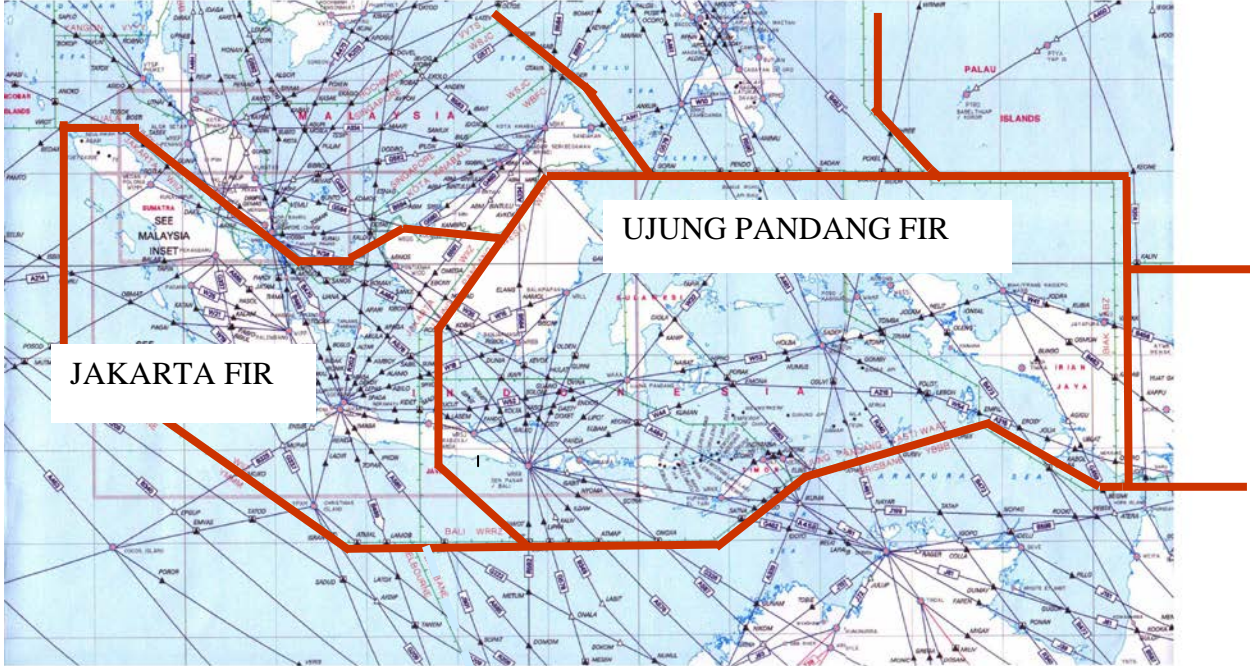
3.1 The meeting is invited to: AMEND AS APPROPRIATE

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

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ATTACHMENT A

ADS-C/CPDLC Coverage within Ujung pandang FIR and Jakarta FIR



ATTACHMENT B

ADS-C/CPDLC TRIAL Coverage within Jakarta FIR

