



International Civil Aviation Organization

The Sixth Meeting of ICAO Asia/Pacific Air Traffic Flow Management Steering Group (ATFM/SG/6)

Bangkok, Thailand, 06 – 10 June 2016

Agenda Item 4: Review of Current CDM/ATFM Operations and Problem Areas

IRREGULARITY FLIGHT AND DELAY SLOTS APPLICATION SYSTEM

(Presented by INDONESIA)

SUMMARY

This paper presents continued activity concerning previous paper on The Fifth Meeting of ICAO Asia/Pacific Air Traffic Flow Management Steering Group (ATFM/SG/5) Bangkok-Thailand, 30 March – 3 April 2015 entitled “Indonesia CDM Data Exchange”

The process of the collaborative engagement between National CDM Stakeholder (ANSP, ASP and Airlines) for the submitted data operational from each entity with the gradually process to reach realtime submit and sharing data information

Sharing data information could be exchange between CDM Stakeholder the operational data will be processed with mechanism called ESB “SOA” (Enterprise Service Bus *Service Oriented Architecture*)

1. INTRODUCTION

1.1 The number of flight that constantly growth every year drive demand meet capacity. The increasing of traffic number should anticipated to ensure the safety, regularity and efficiency of flight. The regularity of the movement of aircraft both in the air and on the ground will not be achieved without the cooperation of stakeholder to the exchange of flight information data. Coordination and collaboration also needed in managing irregularity of flights.

1.2 Indonesia Airport Slot Management (IASM) is joint organization (AirNav Indonesia, Angkasa Pura I & Angkasa Pura II) which assinged to manage scheduled flight slots. But in case of scheduled flight experincing irregularity (delay, RTB, RTA, etc), slot will be provided by Slot Coordinator Unit (Unit Pelaksana Koordinasi Slot / UPKS). Before, the unit has so far coordinating irregularity case conventionally, but at March 2016 Slot Coordinator Unit start using Irregularity Flight and Delay Slots Application System.

1.3 The application has start its trials phase in Surabaya, Denpasar and Makassar (Q1) at March 2016, then continued in Palembang, Balikpapan and Medan (Q2) at April 2016, and at last in Jakarta and Jayapura (Q3) at May 2016. The application is planned to be apply in all Indonesia airports in 2017. Irregularity Flight and Delay Slots Application System will later be integrated with ESB “SOA” (Enterprise Service Bus *Service Oriented Architecture*) and the permit route / Flight Approval (FA) online application.

1.4 Irregularity Flight and Delay Slots application is a web service data processing with capability to process various data format.

1.5 Steps being taken in the process of trial application system :

- a. Making of User Manual
- b. Stakeholder Accounts creation
- c. Manufacture Standard Operating Procedure
- d. Letter of Agreement between AirNav, Airport, Airline and Ground Handling
- e. Training Application usage Slot Online
- f. Trial Application Slot Online
- g. Evaluation

2. DISCUSSION

Component for trial system

2.1 There are many components that can contribute to the success of data-entry process this application, for example, the daily schedule was uploaded by the aircraft operator, the time difference between the FA and the Score system applications. the data is uploaded via applications are expected in accordance with the license issued by the Directorate of Air Transport.

Outcomes

2.2 The purpose of developing this application is :

- a. Provide recommendations as a pairing time slot to the irregularity flights and delay flight
- b. Validation Flight Plan with these route license / Flight Approval (FA)
- c. DGCA reported to the flights not carried out for 7 days in a row surgery
- d. Monitoring the number of flights which do not required approval Flight
- e. On Time Performance report every flight number
- f. Cancel Flight Reports
- g. Balancing Demand and Capacity

2.3 That data is submitted to the irregularity flight and delay slot application online using web service interface with address : <http://slottime.airnavindonesia.co.id:88>

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.

.....