International Civil Aviation Organization

The Fifth Meeting of ICAO Asia/Pacific Air Traffic Flow Management Steering Group (ATFM/SG/5)

Bangkok, Thailand, 30 March – 3 April 2015

Agenda Item 5: Development of Regional ATFM Framework

INDONESIA CDM DATA EXCHANGE

(Presented by INDONESIA)

SUMMARY

This paper presents 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.

Data Center of the data placed and managed by Ministry of Transport and the data could be exchange between CDM Stakeholder

1. INTRODUCTION

1.1 Start from February 2015, the Ministry of Transportation (MOT) evolve the Indonesia ANSP and Airport Service Provider to submit operational data to the Data Center and the operational data will be processed with mechanism called ESB SOA (Enterprise Service Bus Service Oriented Architecture) and the output submitted to Executive Information System (EIS). The target of data integration on Mid April 2015.

1.2 For the baseline scenario the data and information exchange from 8 (eight) coordinated airport of Indonesia : Soekarno-Hatta Int'l Airport (Jakarta), Juanda Int'l Airport (Surabaya), Kualanamu Int'l Airport (Medan), Ngurah Rai Int'l Aiport (Bali), Sepinggan Int'l Airport (Balikpapan), Hasanuddin Int'l Airport (Makassar/Ujung Pandang), Sentani Int'l Airport (Jayapura), SMB II Int'l Airport (Palembang), and it will expand to all airport of Indonesia

1.3 The output of the EIS is the realtime condition of the avition industries such as : On Time Performance, Operation Deviation and many other information.

1.4 ESB SOA is a webservice data processing with capability to process various data format.

2. DISCUSSION

Data and Information Exchange

2.1 Taskforce DGCA clasify data domain for each operator i.e :

a) ANSP (AirNav Indonesia) : Actual Time Departure/Arrival, Runway In Use, Runway Capacity;

b) ASP (PT. Angkasa Pura I & II) : Actual Block Off/On Time, Apron Capacity, Terminal (Building) Capacity, Parking Stand Number, A/c Registration, Gate Number.

c) Slot Time Management Unit : Estimated Block Off Time, Slot Time Regular and Irregular Flight (Domestic and International), On Time Performance,

d) DGCA (Air Transport and Airworthiness Directorate) : Flight Approval, Route Permit (Regular), Air Crew and Cabin Crew Duty Hours,

e) Aircraft Operator : Filled Flight Plan, Passenger on Board, Air and Cabin Crew on board

2.2 That data is submitted to the ESB using web service interface.

2.3 Each operators could use data submitted by other operators for operational purposes from ESB/SOA

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

a) note the information contained in this paper; and

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