



Agenda Item 5: Operational implementation of new ATM automated systems and integration of the existing systems

**ACTION TAKEN BY ECUADOR TO MITIGATE FLIGHT PLAN ERRORS AND
DUPLICATION/MULTIPLICITY**

(Presented by Ecuador)

SUMMARY

This paper presents the action taken to mitigate flight plan errors, duplication and multiplicity.

References:

- Final report of the SAM/IG/22 meeting (Lima, Peru, 19-23 November 2018)
- NAM/CAR/SAM AIDC (ATS interfacility data communication) implementation meeting (Lima, Peru, 16-20 April 2018)
- Guidance to avoid errors in FPLs and ATS messages

1. Background

1.1 The SAM/IG/19 meeting considered that, in order to implement procedures to mitigate the duplication/multiplicity of scheduled commercial flight plans, States should establish AFTN address XXXXZPZX as the only address to receive flight plans corresponding to ARO/AIS offices. Accordingly, it formulated Conclusion SAMIG/19-2 - Implementation of procedures to mitigate the duplication/multiplicity of scheduled commercial flight plans.

1.2 Based on the guidance for mitigating flight plan duplication contained in the final report of the last AIDC meeting held in April 2018, the following recommendation was taken as a reference: “*In order to reduce the risk of errors resulting from manual operation, and in accordance with Doc 4444, paragraph 11.2.1.1.1, ANSPs may implement local arrangements to delegate the responsibility for originating movement messages to the operators, through the Aeronautical Fixed Telecommunication Network (AFTN) or the Air traffic service (ATS) message handling system (AMHS). Movement messages include FPL, flight plan change (CHG), delay (DLA) and cancellation messages*”.

2. Discussion

2.1 In July 2018, conversations started between JETBLUE and DGCA staff to reach an agreement for the filing and direct transmission of flight plans *via* AMHS to SEFGZQZX (ACC) and SEQMZPZX (ARO).

2.2 Initial tests conducted in September and October 2018 revealed difficulties because manual addressing and delivery from ARO/AIS systems to ATS automated systems caused flight plan duplication. Consequently, this procedure was discarded.

2.3 On 15 November 2018, the letter of operational agreement was signed between JETBLUE and the General Directorate of Civil Aviation of Ecuador for accepting direct filing (*via* AMHS) of JETBLUE FPLs for outgoing and incoming flights from its dispatch centre in the United States to the ATS systems.

2.4 The duplication of flight plans of airlines and various users is notified to their representatives, explaining that they can apply the procedure for filing FPLs directly to ATS systems.

2.5 Timely action taken by the FDD position to eliminate duplicated and erroneous flight plans helps reduce the LRM error rate, allowing for successful AIDC coordination. Accordingly, the personnel have been requested to pay attention to duplicated FPLs until such moment that an agreement is reached with airlines for direct filing.

3 Suggested action

3.1 The Meeting is invited to:

- a) take note of the information presented herein;
- b) analyse flight plan duplication and the information contained in the appendix to this paper; and
- c) address other related issues it may deem appropriate.

APÉNDICE /APPENDIX

DUPLICADOS FPL CON CODIGO LRM/RMK /07/07, MARZO 2019/

DUPLICATED FPLs WITH CODE LRM/RMK /07/07, MARCH 2019

FECHA/ DATE	No. VUELOS / # of FLIGHTS	IDENTIFICACIÓN DE VUELOS / FLIGHT IDENTIFICATION
1/03/19	6	IBE6454, DPJ90, AEA040, HCCGO, RCH667, LVCCW
2/03/19	2	NKS977, LVCAZ.
3/03/19	6	CMP310, HK5228, TPU131, GLG8373, CMP272, IBE6454.
4/03/19	3	RPB7064, HCCUH, CMP489.
5/03/19	7	LNE1378, RPB7064, IBE6454, LNE1380, TAE172, GLG8372, LCO1306
6/03/19	5	TAE515, GTI36, UAL1036, GLG8372, CLX7612.
7/03/19	5	IBE6454, GLG8378, N559DM, GLG8372, TAE302.
8/03/19	8	LPE2453, AAL947, DAL9915, CMP272, KLM755, MPH7342, AMX031, LPE2415.
9/03/19	2	CMP489, LPE2449.
10/03/19	2	NKS1442, FAE448
11/03/19	8	IBE6454, VPE441, GTI40, GLG1800, CJT7145.
12/03/19	7	IBE6454, LPE2483, N865MT, CMP397, RPB687, N605M, GTI36
13/03/19	4	HCBZK, CMP175, AN211, NAC860.

14/03/19	5	CMP493, PPJFZ, TAE194, CMP159, LNE1378.
15/03/19	8	LNE1380, IBE6454, CMP397, TAE320, DAL680, MPH6142, AMX019, KAL274
16/03/19	4	HCCOE, GLG1635, GTI58, CMP175
17/03/19	7	HCBYU, IBE6454, LPE2415, AAL1307, UAL978, GTI40, TPA4041.
18/03/19	9	IBE6454, TAE322, AMX760, AAL931, TAE131, KAL274, LNE1425, GTI56, N502GM.
19/03/19	7	IBE6454, VPE439, RPB687, CMP397, AMX031, N778XJ, GTI36.
20/03/19	7	CMP489, AMX031, AYY108, DAL680, HCCTF, LCO1304, HK4563
21/03/19	5	CMP489, AAL996, FAE1030, GLG1633, CMP272
22/03/19	5	CMP175, TAE320, MPH6142, N21J, HCCTF.
23/03/19	5	CLX7615, UAL1036, TAE320, AAL1558, LPE2472.
24/03/19	2	GTI34, AEE384
25/03/19	8	AMX049, LPE2471, CMP175, N863MF, AMX029, CJT7145, GTI40, AMX684.
26/03/19	3	LPE2483, CMP397, CMP489.
27/03/19	7	CMP310, AN235, CMP495, N213TG, FAE1032, CMP118, CMP272.
28/03/19	6	IBE6454, CMP175, FAE1141, FAE893, HCCJJ, GTI38.
29/03/19	4	AAL1307, MPH6142, HCCUL, MPH7342.
30/03/19	6	IBE6454, CMP158, TAI592, AEA040, N253LA, FAE893.
31/03/19	4	LPE2415, HCCSY, LPE2451, N865MT.