



Fourth Meeting of the AFI Flight Plan Transition Task Force (FPLT TF/4) Mahe, Seychelles, 20 – 22 February 2012



WP : Preparation of the implementation of the NEW Flight Plan Review of the Action Plan

1. BACKGROUND

- ✓ Attendance to the 3 workshops (Johannesburg, Nairobi and Dakar).
- ✓ Implementation of a working Group (GT-FPL 2012)- Decision N°2011/002274/ASECNA/DGDD, September 26, 2011) ;
- ✓ The GT-FPL 2012 members meet every Friday from 11:00 to 14:00.
- ✓ Mandate : Oversee all the actions for a consistent implementation of the NEW flight plan (FPL 2012)
- ✓ Elaboration of a roadmap with an action plan.

2. FLIGHT PLAN 2012 SAFETY ASSESSMENT

2.1. BRAINSTORMING IN DAKAR ATS CENTRE

- Experimental ATS Centre: Airport LSS of Dakar (28/11 – 05/12)
- Hazards identification ;
- Risks Mitigation Means (RMM)

2.1.1. Equipment testing

Objective of the testing is to insure that the current systems and equipment are capable to handle the New FPL (and the associated messages), its content, syntax, size and format taking into account the size, the format, etc.

- 1) **1st step** : flight plan messages Test 1, Test 2, Test 3 et Test 4 have sent from MESSIR-AFTN free text zone to these addresses : GOOYZPZX, GOOZQZX, GQNNZPZX et DRRNZPZX
- 2) **2nd step**: flight plan messages are written by filling the FPL form of AFTN (MESSIR) terminal.

Flight Plan Item 10 Testing compatibility

TEST 1

FF GOOYZPZX

261041 GABSZPZX

(FPL-SGG19-IS

-1A320/M-SDIRWY/G1

-GOOY2000

-N0453F370 DCT YF UB600 AXIRO B600 GIA DCT

-GUCY 0103 GOOY GBYD

-EET/GLRB0040REG/6VAII SEL/HLEK PER/M078 RMK/TCAS EQUIPED ACARS
EQUIPPED ADS-C EQUIPPED SGG OPS 1341MHZ DOF/290911 TEST TEST)

TEST 2

FF GOOYZPZX

261041 GABSZPZX

(FPL-SGG19-IS

-1A320/M-SDGHIRWY / G1

-GOOY2230

-N0453F370 DCT YF UB600 AXIRO B600 GIA DCT

-GUCY 0103 GOOY GBYD

-EET/GLRB0040REG/6VAII SEL/HLEK PER/M078 RMK/TCAS EQUIPED ACARS EQUIPPED ADS-C
EQUIPPED SGG OPS 1341MHZ DOF/240911 TEST TEST)

TEST 3

FF GOOYZPZX

261041 GABSZPZX

(FPL-SAA207-IS

-1A343/H-SFDGHIRWXY / S

-GOOY1130

-N0453F370 DCT YF UB600 AXIRO B600 GIA DCT

-GUCY 0103 GOOY GBYD

-EET/GLRB0040REG/ZSSXH SEL/HLKE PER/M080 RMK/TCAS EQUIPED ACARS EQUIPPED ADS EQUIPPED
SGG OPS 1341MHZ NAV/nnnn TEST TEST)

TEST 4

FF GOOYZPZX

262041 GABSZPZX

(FPL-SGG21-IS

-1A380/H-SFDGBJ2M3RZIRWY/ D1

-GOOY2200

-N0453F370 DCT YF UB600 AXIRO B600 GIA DCT

-GUCY 0103 GOOY GBYD

-EET/GLRB0040REG/6VAII SEL/HLEK PER/M078 RMK/TCAS EQUIPED ACARS EQUIPPED ADS-C
EQUIPPED SGG OPS 1341MHZ TEST TEST)

Remarks :

Item 10 : 64 characters /20 characters but 69 characters for AFTN lines

NAV/COM : 50 characters / 50 characters

DAT/... : 50 characters

SUR/... : 50 characters

DEP/... : 50 characters

DEST/... : 50 characters

TYP/... : 60 characters

OPR/... : unlimited

RMK/... : unlimited

EQUIPMENTS	RESULTS OF THE TESTS	CONSEQUENCES	MEASURES BEING TAKEN
ATM 02	<ul style="list-style-type: none">- Receipt of "error message" concerning Test 4 ; SSR D is incorrect SFDJBJ2M3RZIRWY/D1.- Not compliant with Item 10 (limited to 6 characters).	<ul style="list-style-type: none">- equipment not compliant with FPL 2012- Not possible to be upgraded	This equipment will be removed and replaced by FDPS (project "Moyens de Surveillance").

EUROCAT-X	- Receipt of "error message", missing field or error D1. - Not compliant with Item 10 (limited to 6 characters).	The system is not compliant with FPL 2012	Upgrade in progress in the framework of the project « Harmonisation et Modernisation » by THALES
AMS 1500 / MESSIR AFTN	OK	OK	OK
AFTN TERMINAL	AFTN PC are not compliant with field 10 (limited to 6 characters)	No processing for FPL 2012	Contact with CORROBOR (MESSIR vender) to upgrade the system

2.1.2. Hazards identification

CODE	HAZARDS	RISK INDEX	ACCEPTABILITY (according to RCS)
FPL_01	Missing flight plan at ATC working position, not detected.	2E	Unacceptable
FPL_02	Missing flight plan at ATC working position, detected (known via coordination, first contact, radar track ...)	4D	Yes (Tolerable)
FPL_03	Flight plan not in compliance with the aircraft specifications	4D	Yes (Tolerable)
FPL_04	Incomplete flight plan	2C	Unacceptable
FPL_05	Incorrect contents of the flight plan	2C	Unacceptable

2.1.3. Risk Mitigation Means and Safety Requirements

MP	Protection/Prevention Mean
EML	Equipment and Software Requirements
EPM	Maintenance Procedures Requirements
EPE	Operational Procedures Requirements
EFT	Technicians Training
EFC	Air traffic controllers and AIS staff Training
EFE	Others operational Training

Mitigation Means	Safety Requirements	Related Hazards
MP_01 : Compliance of EUROCAT X equipment	EML_01: EUROCAT X equipment (including the simulator (must comply, with the FPL 2012 format.	FPL_01 ; FPL_02 ; FPL_04 ; FPL_05
MP_02 : Compliance of ATM 02 software	EML_02 : ATM 02 software must comply with the flight plan 2012	FPL_01 ; FPL_02 ; FPL_04 ; FPL_05
MP_04 : Inter-operability systems between ATCs about messages handling system	EML_04 : The AFTN Messages Handling Systems between ATCs must be interoperable	FPL_01 ; FPL_02 ; FPL_04 ; FPL_05
MP_05: Upgrading AFTN software to comply with FPL 2012	EML_06 : AFTN software must be upgraded to comply with FPL 2012	FPL_01 ; FPL_02 ; FPL_04 ; FPL_05
MP_07 : Updating the training	EPE_03: The training manuals must be updated in	FPL_01; FPL_02; FPL_03;

Mitigation Means	Safety Requirements	Related Hazards
manuals	the operational units (ATC and AIS) concerned by the flight plan.	FPL_04; FPL_05
MP_08 : Availability of the training manuals	EPE_04: the training manuals must be available in the units concerned by the flight plan	FPL_01; FPL_02; FPL_03; FPL_04; FPL_05
MP_09 : Elaboration of coordination procedures between ATCs for the implementation of FPL ICAO 2012	EPE_05: Coordination procedures between ATCs for the implementation of FPL ICAO 2012 must be elaborated.	FPL_01; FPL_02;
MP_13 : Updating of the archiving procedures of flight plans (automatic and manual)	EPE_09: Archiving procedures (automatic and manual) of the FPL must be updated	FPL_01; FPL_02; FPL_03
MP_13 bis : Elaboration of filled flight plan (FPL) processing procedure, focusing on FPL which DOF is beyond 24 hours (e.g. 120 h prior)	EPE_09 bis : the flight plan processing procedure must be elaborated, focusing on preservation of flight plan filled before the Date Of the Flight (e.g. 120 h prior) EPE_09 ter : the flight plan processing procedure must be translated into available reflex sheet on working position in the control units	FPL_01; FPL_02; FPL_03
MP_15 : Respect for the EOBT	EPE_11: the EOBT must be respected	FPL_01; FPL_02; FPL_04
MP_16 : Elaboration of a switch over plan	EPE_12: A switch over plan must be elaborated	FPL_02
MP_16 bis : Strengthening of staff during the switch over period	EPE_12 bis : The switch over plan must integrate the strengthening of ATC and AIS staff in units during the period of switch over	FPL_01;
MP_16 ter : post implementation monitoring	EPE_12 ter : The switch over plan must integrate the post implementation monitoring	FPL_01;
MP_17 : Application of switch over plan	EPE_13: The switch over plan must be properly applied	FPL_01; FPL_02
MP_18 : Respect for the Flight Data Operator (FDO) arming position procedure	EPE_14: the FDO arming position procedure must be observed.	FPL_01; FPL_02; FPL_03; FPL_05
MP_19 : Updating the messages correction procedures	EPE_15: Messages correction procedures must be updated.	FPL_01; FPL_02; FPL_03; FPL_04; FPL_05
MP_21 : Respect for the messages correction procedures	EPE_17: Messages correction procedures must be correctly applied	FPL_01; FPL_02; FPL_03; FPL_04; FPL_05
MP_22 : Respect for the messages syntax	EPE_18: Messages syntax must be respected	FPL_01; FPL_02; FPL_05
MP_24 : Training of the controllers	EFC_01 : The controllers must be trained on the use of the new equipment and procedures	FPL_01; FPL_02; FPL_05
MP_25 : Training of the technicians for maintenance	EFT_01: The technicians for maintenance must be trained on the new equipment	FPL_01; FPL_02; FPL_05
MP_26 : Raising awareness on the NEW FPL of other users, (airlines ground staff and flight crews must be raised on the NEW FPL.	EFE_01 : Awareness of other users, airlines ground staff and flight crews must be raised on the NEW FPL.	FPL_01; FPL_02; FPL_03; FPL_05

Mitigation Means	Safety Requirements	Related Hazards
flight crews)		
MP_27: Training of the AIS and briefing office staff.	EFC_02 : The AIS and briefing office staff must be trained on the NEW FPL and the new procedures	FPL_01; FPL_02; FPL_05
MP_28: Updating the procedure of messages CHG management (referring to the specifications of the aircraft)	EPE_20 : The procedure of messages CHG management (referring to the specifications of the aircraft) must be updated	FPL_03
MP30 : Respect for the messages CHG procedure management (referring to the specifications of the aircraft)	EPE_22: the messages CHG procedure management (referring to the specifications of the aircraft) must be correctly applied	FPL_02; FPL_03
MP_31: Compliance of the AFTN Terminals equipment with FPL 2012	EML_06: The AFTN Terminals equipment must comply to FPL 2012	FPL_04; FPL_05
MP_32: Elaboration of the checking procedure of filled flight plan compliance with the NEW FPL 2012 (Briefing Office staff and airlines ground staff)	EPE_23: The checking procedure of filled flight plan compliance with the NEW FPL must be elaborated (Briefing Office staff and airlines ground staff).	FPL_04
MP_34: Application of the checking procedure of the filled flight plan compliance with the NEW FPL (Briefing Office staff and airlines ground staff)	EPE_25: The checking procedure of the filled flight plan compliance with the NEW FPL must be correctly applied (Briefing Office staff and airlines ground staff).	FPL_04
MP_35: Compliance of the messages transmission procedure between ATCs, with FPL ICAO 2012	EPE_26: The messages transmission procedure between ATCs must comply with FPL ICAO 2012	FPL_03

3. UPDATE OF THE EQUIPMENT

✓ Timetable of FDPS update (THALES) :

- Brazzaville : 13/04/2012
- Dakar : 13/06/2012
- Antananarivo :13/07/2012
- Abidjan :31/08/2012
- Ndjamen :12/10/2012
- Niamey:02/11/2012

✓ AFTN terminal Upgrade (Avril-Juillet 2012).

✓ Period of processing the PRESENT and the NEW format: July, 26 2012. – November, 14 2012.

✓ Report RO WACAF / ESAF : December, 20 2011 (cf Letter N°2011/002949/ASECNA/DGDD).

✓ Information Papers to ASECNA States Members, ASECNA Representative (cf Letter N°2011153220/ASECNA/DEXD/DEXN/DEXNA, December 26, 2011.

✓ Implementation of local working groups (in every State)

4. TRAINING PROGRAMME

The object of the training programme on FPL 2012 is to spread the new flight plan format in the benefice of all the staff involved in the process.

The objective is to train trainers who will train the local staff, mainly those from ATC, AIS and Telecom and help them to acquire knowledge on the new flight plan:

- ✓ major changes expected in the NEW FPL implementation ;
- ✓ Solutions held by ASECNA to insure the transition;
- ✓ Measures to be set up locally for these solutions.

4.1. Contents of the training

Point 1: Amendment N°1 (PANS ATM / Doc. 4444)

- Objectives and applicability
- Main changes
- Transition arrangements

Point 2: Transition from PRESENT to NEW format

- Transition in AFI Region
- ASECNA Action Plan for the transition period

Point 3: Description of the FPL 2012 format

Point 4: Practical examples

- FPL
- messages related to FPL
- Local workshops.

4.2. PLANIFICATION AND ORGANISATION

The training of trainers will be organized in two workshops at:

- Niamey for ASECNA States Members from West Africa and Indian Ocean ;
- Ndjamena for ASECNA States Members from Central Africa.

Taking into account the transition period, in order to hold the local workshops in sufficient delays, the training of the trainers will begin simultaneously on March 2012.

5. ADMINISTRATIVE PROVISIONS

Ouverture d'un projet