



***4th Meeting of AFI Flight Plan Task Force
- FPLT 2012 TF/4 -
Mahe (Seychelles), 20- 22 February 2012***

***Preparation of the
implementation of the New FPL
Review of the Action Plan***

Presented by ASECNA

ICAO FLIGHT PLAN
PLAN DE VOL OACI

PRIORITY / PRIORITÉ << ≡ FF →		ADDRESSEE(S) / DESTINATAIRE(S)			
FILING TIME / HEURE DE DÉPÔT		ORIGINATOR / EXPÉDITEUR			
SPECIFIC IDENTIFICATION OF ADDRESSEE(S) AND/OR ORIGINATOR / IDENTIFICATION PRÉCISE DU(DES) DESTINATAIRE(S) ET/OU DE L'EXPÉDITEUR					
3 MESSAGE TYPE / TYPE DE MESSAGE << ≡ (FPL	7 AIRCRAFT IDENTIFICATION / IDENTIFICATION DE L'AÉRONEF	8 FLIGHT RULES / RÉGLES DE VOL	TYPE OF FLIGHT / TYPE DE VOL		
9 NUMBER / NOMBRE	TYPE OF AIRCRAFT / TYPE D'AÉRONEF	WAKE TURBULENCE CAT. / CAT. DE TURBULENCE DE SILLAGE	10 EQUIPMENT / ÉQUIPEMENT		
13 DEPARTURE AERODROME / AÉRODROME DE DÉPART		TIME / HEURE			
15 CRUISING SPEED / VITESSE DE CROISIÈRE					
ALTITUDE / LEVEL / NIVEAU		ROUTE / ROUTE			
16 DESTINATION AERODROME / AÉRODROME DE DESTINATION		TOTAL EET / DURÉE TOTALE ESTIMÉE		SAR	
AÉRODROME DE DÉGAGEMENT		2ND ALTN AERODROME / 2 ^e AÉRODROME DE DÉGAGEMENT		OTHER INFORMATION / RENSEIGNEMENTS DIVERS	
19 ENDURANCE / AUTONOMIE					
EMERGENCY RADIO / RADIO DE SECOURS		PERSONS ON BOARD / PERSONNES À BORD			
SURVIVAL EQUIPMENT / ÉQUIPEMENT DE SURVIE		JACKETS / GILETS DE SAUVETAGE			
DINGHIES / CANOTS		AIRCRAFT COLOUR AND MARKINGS / COULEUR ET MARQUES DE L'AÉRONEF			
REMARKS / REMARQUES		WHEELS ROUES			
AN ARRIVAL REPORT WILL BE FILED WITH / UN COMPTE RENDU D'ARRIVÉE SERA NOTIFIÉ À :		SEAPLANE HYDRAVION			
NAME AND PHONE NUMBER OR ADDRESS OF PERSONS(S) OR COMPANY TO BE NOTIFIED IF SEARCH AND RESCUE ACTION INITIATED / NOM ET NUMÉRO DE TÉLÉPHONE OU ADRESSE DE LA (DES) PERSONNE(S) OU COMPAGNIE À AVISER SI DES RECHERCHES SONT ENTREPRISES		SKIS			
PILOT-IN-COMMAND / PILOTE COMMANDANT DE BORD		AMPHIBIAN AMPHIBIE			
PILOT'S LICENCE NO. / N° DE LICENCE DU PILOTE					
FILED BY / DÉPOSÉ PAR		SPACE RESERVED FOR ADDITIONAL REQUIREMENTS / ESPACE RÉSERVÉ À DES FINS SUPPLÉMENTAIRES			



SUMMARY

1 – Background

2 – FPL 2012 Safety Assessment

3 – Update of the equipment

4 – Training programme



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Background



FPLT 2012 Meeting

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) ;
- ✓ Mandate : Oversee all the actions for a consistent implementation of the NEW flight plan (FPL 2012);
- ✓ Elaboration of a roadmap with an action plan.
- ✓ The GT-FPL 2012 members meet every Friday from 11:00 to 14:00.



FPLT 2012 Meeting

1 – Background

ELABORATION OF A SUPP AIP

The objective of SUPP AIP is to advise air users all provisions envisaged by ASECNA to prepare the transition and insure an harmonious implementation of the new ICAO 2012 flight plan format in its States Members, in the respect for the requirements of ANS safety. It gives details on :

- ✓ The transition from PRESENT to NEW formats;
- ✓ The steps towards the date of November, 15 2012;
- ✓ The Switch Over Plan before, during and beyond the date of application;

EFFECTIVE DATE	July, 26 2012 at 00:01 UTC
VALIDITY	November, 14 2012 at 23:59 UTC



FPLT 2012 Meeting



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FPL 2012 Safety Assessment



FPLT 2012 Meeting

2 – FPL 2012 Safety Assessment

SAFETY BRAINSTORMING IN DAKAR ATS CENTRE

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



FPLT 2012 Meeting

2 – FPL 2012 Safety Assessment

Objective of the testing

Verifying that the current systems and equipment are capable to handle the New FPL (and the associated messages),...

... its content, syntax, size and format..



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2 – FPL 2012 Safety Assessment

EQUIPMENT TESTING

- ✓ Testing the Flight Plan Item 10 Testing Compatibility by two steps:

Step 1 :

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

Step 2 :

Flight plan messages are written by filling the FPL form on the AFTN (MESSIR) terminal.



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2 – FPL 2012 Safety Assessment

EQUIPMENT TESTING

✓ Example – 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 ~~DOE~~/290911 TEST)

Item 10

Item 18



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2 – FPL 2012 Safety Assessment

EQUIPMENT TESTING

✓ Example – Test 4

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)

Item 10



Item 10 – Equipment and Capabilities

Recall

Capabilities include the following elements (among others):

- ✓ Presence of relevant serviceable equipment on board;
- ✓ Equipment & capabilities commensurate with flight crew qualifications; and
- ✓ Where applicable, authorization from appropriate authority



Item 15– Route

Recall

Item 15 includes the following elements (among others):

- ✓ Added information on significant point;
- ✓ Significant point is 2 – 5 alphas to allow for waypoint names
- ✓ Bearing & distance from a significant point



Item 18 – Other Information

Recall

Item 18 includes the following elements (among others):

- ✓ Specifies indicators must be filed in the sequence shown;
- ✓ Specified entries only (no free text) Other reasons in free text after indicator RMK/...
- ✓ Significant data related to navigation equipment, other than specified in PBN/, as required by ATS



Item 18 – Other Information

Recall

Item 18 includes the following elements (among others):

- ✓ Communications applications or capabilities not specified in Item 10a
- ✓ If departure is more than 24 but less than 120 hours from time of filing, must insert date of flight ;
- ✓ Accumulated elapsed time from take-off to such points or FIR boundaries 209 69 69



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2 – FPLT 2012 Safety Assessment



RESULTS OF THE TESTING / ATM02

Results of the tests	Consequences	Measures being taken
Receipt of “ error message ” concerning Test 4 ; SSR D is incorrect	Equipment not compliant with FPL 2012	<i>This equipment will be removed and replaced by FDPS (project “Moyens de Surveillance”).</i>
SFDJBJ2M3RZIRWY/D1 Not compliant with Item 10 (limited to 6 characters).	Not possible to be upgraded	



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RESULTS OF THE TESTING / **FDPS**

Results of the tests	Consequences	Measures being taken
<p>Receipt of “error message”, missing field or error D1.</p> <p>Not compliant with Item 10 (limited to 6 characters).</p>	<p>The system is not compliant with FPL 2012</p>	<p><i>Upgrade in progress in the framework of the project « Harmonisation et Modernisation » by THALES</i></p>



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RESULTS OF THE TESTING / **AFTN TERMINAL**

Results of the tests	Consequences	Measures being taken
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

RESULTS OF THE TESTING / **AMS1500 – MESSIR AFTN**

Results of the tests	Consequences	Measures being taken
OK	OK	OK



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2 – FPL 2012 Safety Assessment

HAZARDS IDENTIFICATION

Code	Hazards	Acceptability
FPL_01	At ATC working position : Missing flight plan not detected.	Unacceptable
FPL_02	Missing flight plan at ATC working position, detected (known via coordination, first contact, radar or/and ADS track ...)	Yes (Tolerable)
FPL_03	Flight plan not in compliance with the aircraft specifications	Yes (Tolerable)
FPL_04	Incomplete flight plan	Unacceptable
FPL_05	Incorrect contents of the flight plan	Unacceptable



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RISK MITIGATION MEANS / SAFETY REQUIREMENTS IDENTIFICATION

- 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*



FPLT 2012 Meeting 2 – FPL 2012 Safety Assessment



RISK MITIGATION MEANS / SAFETY REQUIREMENTS IDENTIFICATION

Mitigation Means	Safety Requirements	Related Hazards
<i>MP_01 : Compliance of EUROCAT X equipment</i>	EML_01: EUROCAT X equipment (including the simulator (must comply, with the FPL 2012 format.	FPL_01 ; FPL_02 ; FPL_04 ; FPL_05
<i>MP_02 : Compliance of ATM02 software</i>	EML_02 : ATM 02 software must comply with the flight plan 2012	FPL_01 ; FPL_02 ; FPL_04 ; FPL_05
<i>MP_04 : Inter-operability systems between ATCs about messages handling system</i>	EML_04 : The AFTN Messages Handling Systems between ATCs must be interoperable	FPL_01 ; FPL_02 ; FPL_04 ; FPL_05



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2 – FPL 2012 Safety Assessment



RISK MITIGATION MEANS / SAFETY REQUIREMENTS IDENTIFICATION

Mitigation Means	Safety Requirements	Related Hazards
<i>MP_05: Upgrading AFTN software to comply with FPL 2012</i>	EML_06 : AFTN software must be upgraded to comply with FPL 2012	FPL_01 ; FPL_02 ; FPL_04 ; FPL_05
<i>MP_07 : Updating the training manuals</i>	EPE_03: The training manuals must be updated in the operational units (ATC and AIS) concerned by the flight plan.	FPL_01 - FPL_05
<i>MP_08 : Availability of the training manuals</i>	EPE_04: the training manuals must be available in the units concerned by the flight plan	FPL_01 - FPL_05



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RISK MITIGATION MEANS / SAFETY REQUIREMENTS IDENTIFICATION

Mitigation Means	Safety Requirements	Hazards
<i>MP_09 : Elaboration of coordination procedures between ATCs</i>	EPE_05: Coordination procedures between ATCs for the implementation of FPL ICAO 2012 must be elaborated.	FPL_01; FPL_02;
<i>MP_13 : Update the archiving procedures of flight plans (automatic and manual)</i>	EPE_09: Archiving procedures (automatic and manual) of the FPL must be updated	FPL_01; FPL_02; FPL_03
<i>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)</i>	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	FPL_01; FPL_02; FPL_03



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RISK MITIGATION MEANS / SAFETY REQUIREMENTS IDENTIFICATION

Mitigation Means	Safety Requirements	Hazards
<i>MP_15 : Respect for the EOBT</i>	EPE_11: the EOBT must be respected	FPL_01; FPL_02; FPL_04
<i>MP_16 : Elaboration of a switch over plan</i>	EPE_12: A switch over plan must be elaborated	FPL_02
<i>MP_16 bis : Strengthening of staff during the switch over period</i>	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;
<i>MP_16 ter : post implementation monitoring</i>	EPE_12 ter : The switch over plan must integrate the post implementation monitoring	FPL_01;



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RISK MITIGATION MEANS / SAFETY REQUIREMENTS IDENTIFICATION

Mitigation Means	Safety Requirements	Hazards
<i>MP_17 : Application of switch over plan</i>	EPE_13: The switch over plan must be properly applied	FPL_01; PL_02
<i>MP_18 : Respect for the Flight Data Operator (FDO) arming position procedure</i>	EPE_14: the FDO arming position procedure must be observed.	FPL_01; PL_02; FPL_03; PL_05
<i>MP_19 : Updating the messages correction procedures</i>	EPE_15: Messages correction procedures must be updated.	FPL_01 - FPL_05
<i>MP_21 : Respect for the messages correction procedures</i>	EPE_17: Messages correction procedures must be correctly applied	FPL_01; PL_02; FPL_03; PL_04; FPL_05



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RISK MITIGATION MEANS / SAFETY REQUIREMENTS IDENTIFICATION

Mitigation Means	Safety Requirements	Hazards
<i>MP_22 : Respect for the messages syntax</i>	EPE_18: Messages syntax must be respected	FPL_01; FPL_02;FPL_05
<i>MP_24 : Training of the controllers</i>	EFC_01 : The controllers must be trained on the use of the new equipment and procedures	FPL_01; PL_02; FPL_05
<i>MP_25 : Training of the technicians for maintenance</i>	EFT_01: The technicians for maintenance must be trained on the new equipment	FPL_01; PL_02; FPL_05
<i>MP_26 : Raising awareness on the NEW FPL of other users, (airlines ground staff L and flight crews)</i>	EFE_01 : Awareness of other users, airlines ground staff and flight crews must be raised on the NEW FPL.	FPL_01; PL_02; FPL_03; PL_05



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RISK MITIGATION MEANS / SAFETY REQUIREMENTS IDENTIFICATION

Mitigation Means	Safety Requirements	Hazards
<i>MP_27: Training of the AIS and briefing office staff.</i>	EFC_02 : The AIS and briefing office staff must be trained on the NEW FPL and the new procedures	FPL_01; PL_02; FPL_05
<i>MP_28: Updating the procedure of messages CHG management</i>	EPE_20 : The procedure of messages CHG management must be updated	FPL_03
<i>MP30 : Respect for the messages CHG procedure management</i>	EPE_22: the messages CHG procedure management	FPL_02; PL_03
<i>MP_31: Compliance of the AFTN Terminals equipment with FPL 2012</i>	EML_06: The AFTN Terminals equipment must comply to FPL 2012	FPL_04; PL_05



FPLT 2012 Meeting 2 – FPL 2012 Safety Assessment



RISK MITIGATION MEANS / SAFETY REQUIREMENTS IDENTIFICATION

Mitigation Means	Safety Requirements	Hazards
<i>MP_32: Elaboration of the checking procedure of filled flight plan in compliance with the NEW FPL 2012</i>	EPE_23: The checking procedure of filled flight plan compliance with the NEW FPL must be elaborated.	FPL_04
<i>MP_34: Application of the checking procedure of the filled flight plan compliance with the NEW FPL.</i>	EPE_25: The checking procedure of the filled flight plan compliance with the NEW FPL must be correctly	FPL_04
<i>MP_35: Compliance of the messages transmission procedure between ATCs, with FPL ICAO 2012</i>	EPE_26: The messages transmission procedure between ATCs must comply with FPL ICAO 2012	FPL_03



- 3-

Update of the Equipment



FPLT 2012 Meeting

3 - UPDATE OF THE EQUIPMENT



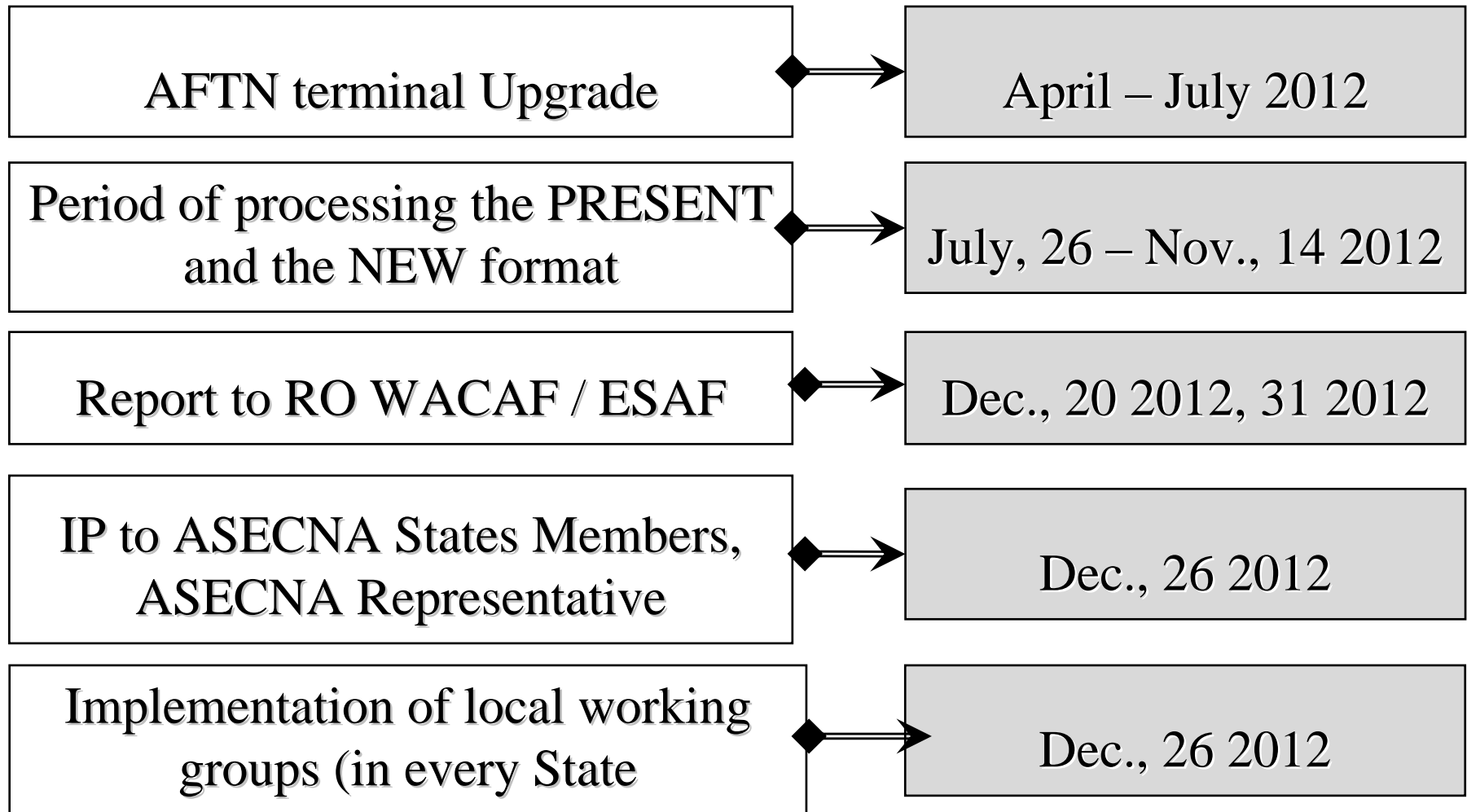
**Timetable of FDPS
update (THALES)**

Brazzaville	April, 13 2012
Dakar	June, 13 2012
Antananarivo	July, 13 2012
Abidjan	August, 31 2012
NDjamena	October, 12 2012
Niamey	November, 02 2012



FPLT 2012 Meeting

3 - UPDATE OF THE EQUIPMENT





- 4 -

Training Programme



FPLT 2012 Meeting

- 4 – Training Programme



Object

... to spread the new flight plan format in the benefice of all the staff involved in the process.

Objective

... 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.

Training of the facilitator of the workshops



FPLT 2012 Meeting - 4 – Training Programme



Training Contents

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

- ✓ *filling a flight plan*
- ✓ *messages related to FPL*
- ✓ *Local workshops.*



FPLT 2012 Meeting - 4 – Training Programme



Planning and arrangement of the training

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 April 2012.



References

- ✓ *ICAO State Letter 2009/9 - Guidance for implementation of FPL information to support Amendment 1 of PANS-ATM, DOC 4444).*
- ✓ *ICAO State Letter 2008/50 - Approval of Amendment 1 to the PANS-ATM (25/06/2008).*
- ✓ *ASECNA Project of EUROCAT-X system Harmonisation.*



Thank you for attention

End

FPLT 2012 Meeting



?

Q/A



WORKSHOP ON NEW FPL



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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
- Ndjamena :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