



International Civil Aviation Organization

Implementation Follow up of Amendment 1 to PANS-ATM, 15^a Edition, Doc 4444- Regional Perspective & Preliminary testing results and Interoperability

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Follow-up Meeting/Workshop on the Implementation of the New ICAO Flight Plan
Format for NAM/CAR Regions (Mexico City, 26 – 28 March 2012)

Objective

- 1. Follow up the current and remaining implementation activities / Transition Phase/ Regional Plan - National Plans**
- 2. Overview of expected Meeting outcomes**
- 3. Results of the preliminary tests**
- 4. Guide and coordinate the different regional tests**



Overview

a) Follow-up to the implementation activities

- ✓ Relevant references
- ✓ Current implementation status
- ✓ Next steps/activities

b) Outcomes of this meeting

c) Implementation activities:

- ✓ Results and lessons learned from preliminary tests
- ✓ Activities for regional testing- interoperability between Units

Follow up the current and remaining implementation activities / Transition Phase/ Regional Plan - National Plans



✓ Relevant references

- Available references in ICAO Website: [ICAO NACC Webpage](#)
 - ICAO State Letters and CAR/SAM Strategy
 - NAM/CAR RPBANIP RPO 5
 - ICAO Regional workshops (2010 [G1](#)/ 2011 [G2](#))
 - Other valid websites
- Other references
 - New Flight Plan Format CONVERSION TABLE Comparison
 - NACC WG implementation followup
 - GREPECAS Assistance – C3 Project
- ICAO Flight Plan Implementation Tracking System (FITS) [G3](#)

Follow up the current and remaining implementation activities / Transition Phase/ Regional Plan - National Plans



✓ Relevant references

- GREPECAS Conclusion 16/39 -> National action plans by **30 November 2011**
- NACC/DCA Conclusions -> Support implementation activities
- Implementation in NAM/CAR regions -> the Regional consolidated Action Plan [G4: Feb 2012](#)
- Summary of Discussion of previous NFPL Workshop [G5: 2011](#)

Follow up the current and remaining implementation activities / Transition Phase/ Regional Plan - National Plans

✓ Current implementation status

Preparation Phase activities have been completed

Transition Phase activities:

Task Name	Start	Finish
Elaboration of contingency procedures and determine technical considerations/ operational for the transition	03/01/11	30/06/11
Conduct trials between systems with NEW flight Plan processing capacity: April, May and June	18/07/11	30/06/12
Assessment of Transition Actions and make adjustments	18/07/11	30/06/12
Delivery and assessment of software changes and other adjustments	18/07/11	30/06/12
Publication of Transition Actions, Trials and other publication for the users and stakeholders: <ul style="list-style-type: none"> ensure publication of regulations, procedures, transition actions, trials and other informative publications (poster, videos, folders, etc.) for all stakeholders; publish in AIP flight plans procedures for the coordination of the timeline and updating of related changes (altitude, ETD, route, speed, etc.); and update ATS Letters of Agreements (LOAs) with adjacent ATS units, as needed. 	30/06/11	29/06/12

Follow up the current and remaining implementation activities / Transition Phase/ Regional Plan - National Plans



✓ Current implementation status

☐ Transition Phase activities:

- implement a switch-over plan.
- carry out safety assessments;
- review the ATS AIDC messages defined in the PANS-ATM and ICD documents (for ej. CPL-LAM);
- establish a collaborative decision making (CDM) process;
- consider the implementation of a centralized Flight Plan Coordination Unit by each FIR;
- develop and conduct training programmes; and
- develop and conduct a monitoring programme before and post implementation period.



✓ Current implementation status

☐ Main concerns:

- Lack of progress report by ANSP/States (national Plans /PoCs) G6 2011
- Lack of training/knowledge of amendment and related procedures within the States/ ANSP
- Lack of timely and adequated publications
- Safety assessments/ monitoring of System changes and updates
- Compliance with critical dates for implementation (system readiness, trial period, implementation due date, etc.)

Follow up the current and remaining implementation activities / Transition Phase/ Regional Plan - National Plans

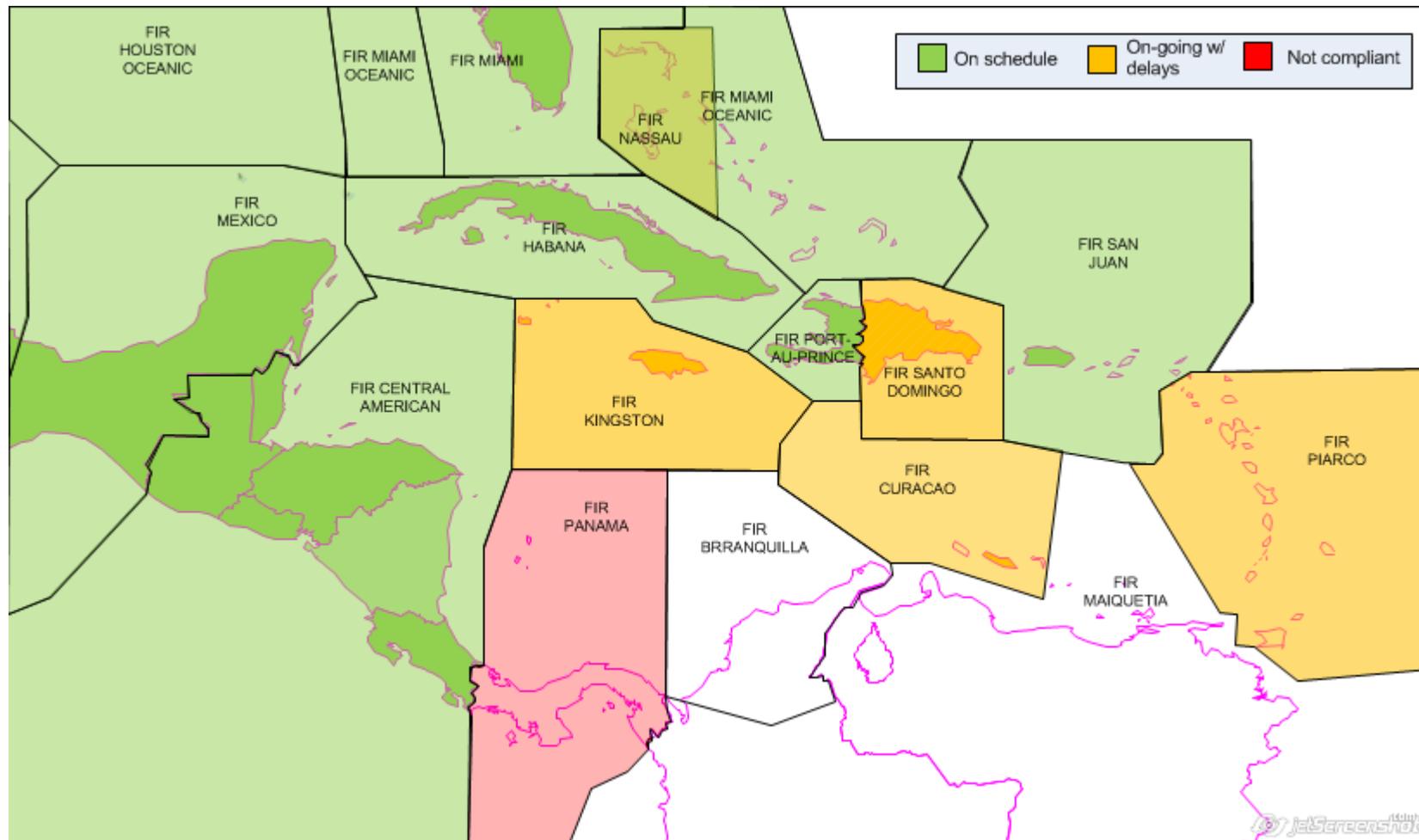


✓ Current implementation status

CAR REGION SYSTEM IMPACT SUMMARY TABLE [G7 2012](#)

Follow up the current and remaining implementation activities / Transition Phase/ Regional Plan - National Plans

✓ Current implementation status



Overview of expected Meeting outcomes

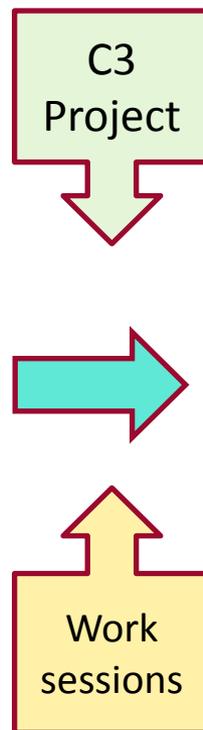
- ❑ Requested information: ICAO SL Ref.: NT 4-4.36 — EMX0023
19 January 2012:
 - their national action plan for the new ICAO FPL Format implementation
 - changes in their flight plan processing system and similar systems (AFTN, etc.)
 - technical, operational and administrative considerations to conduct preliminary testing
 - standards and procedures published for filing and coordinating the current updated FPL in their State
 - results from the subject training program and coverage of the information of the new FPL for their respective State

Overview of expected Meeting outcomes

□ Template information: [Ref](#)

- a) State/ANSP's General Information
- b) Upgrades of the Automated Systems
- c) Tests / Safety Assessment
- d) Publications
- e) Contingency Measures
- f) Switchover Plan
- g) Letter of Agreement and other operational issues
- h) Training

Presentations / IP/ WP



- 1) Implementation Status Update
- 2) Testing coordination/ Sample Testing guidance
- 3) Regional Contingency measures
- 4) Switch over Plan
- 5) Publication Programme
- 6) Update to Regional Action Plan
- 7) Monitoring/ follow up activities

Results of the preliminary tests

- ❑ Conclusion NACC/WG/3/2 – Preliminary Off-Line Testing of the New FPL Format:
- ❑ The off-line tests were conducted in two dates: 28 November 2011 and 17 January 2012. For these tests, a test Guide was developed with a preliminary group of messages.
- ❑ Dominican Republic, Mexico, COCESNA and Aeromexico participated in the tests.

Results of the preliminary tests

ARQUITECTURA DE LOS SISTEMAS PARTICIPANTES

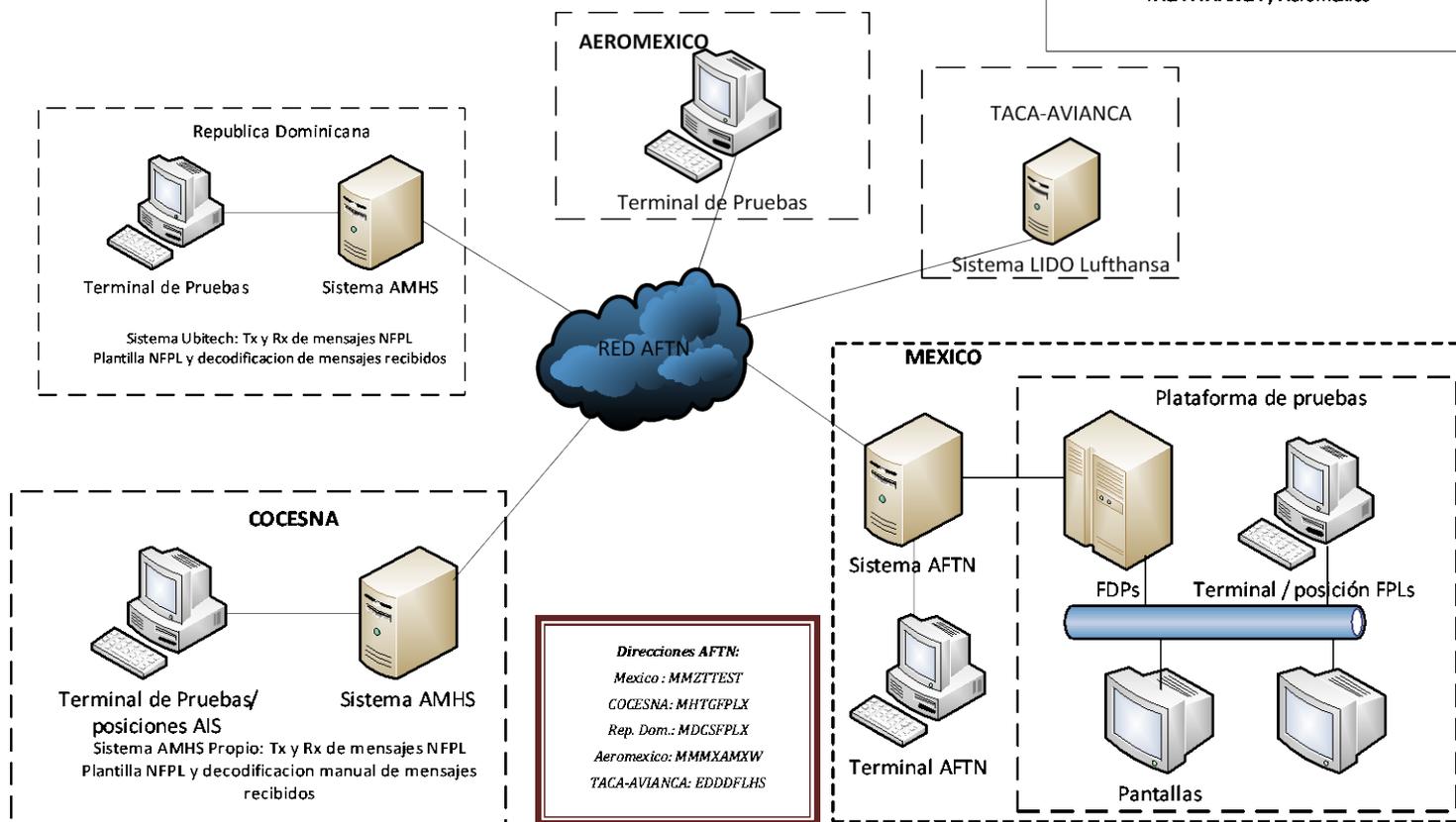
PRUEBAS NUEVO FORMULARIO PLAN DE VUELO

PRUEBAS OFFLINE: 17 de Enero 2012

16:00 a 19:00/20:00 UTC

Protocolo de Pruebas: Guía de Pruebas rev B.

Participantes: Personal técnico, operativo (ATCO) y operadores AFTN de México, Rep. Dom., COCESNA, TACA-AVIANCA y Aeroméxico



Actualizacion: 12 Dic 2011

Results of the preliminary tests

Main Issues:

tests conducted on November 28, 2011:

- mis-coordinations
- need to establishment agreements on means to use and the appropriate sequence of messages.
- Limited number and type of messages

tests on January 17:

- were conducted satisfactorily
- some adjustments to the AFTN addresses (Mazatlan to Mexico)
- COCESNA and SENEAM used the FPL templates implemented in their AFTN terminals.
- SENEAM used their EUROCAT X test bed, testing the message validity by the FDP; however the FDP processing features regarding the activation, presentation, prediction and other functions related to the FPL new data were not tested.

It was observed that one of the incompatibilities with the new FPL was the implementation of the established order/sequence related to designators in number 18. The order is a NFPL requirement and therefore systems must send this information in the required sequence/order.

- Draft Testing Guide was developed

Results of the preliminary tests

Observations:

1. It was agreed that for the next tests, a set of more oriented messages to existing routes, times and regional scenario will be required, specifically formulated to cover different variables and required capabilities by the NFPL.
2. the tests are to be made with more appropriate addresses to the operational scenario: Mexico with its configuration as Mérida ACC and involve the other adjacent ATS (Cuba and Dominican Republic) as well as users like airlines.
3. Use test/ simulation configuration or operational facilities out of peak hours and under control
4. Established a phone/PoC for direct resolution of problems during testing
5. More participation of different users: ARO/ATCO/etc.
6. The GREPECAS C3 Project will develop the update to the Testing Guide
7. The next NFPL tests are scheduled for mid-April when the guide and messages are provided by the C3 Project.

Guide and coordinate the different regional tests

Regional Tests:

Proposed dates for testings:

- 17 – 19 April
- 15 – 17 May
- 12 – 13 June

Preferable with adjacent FIRs

Operational systems / Test beds/ simulator

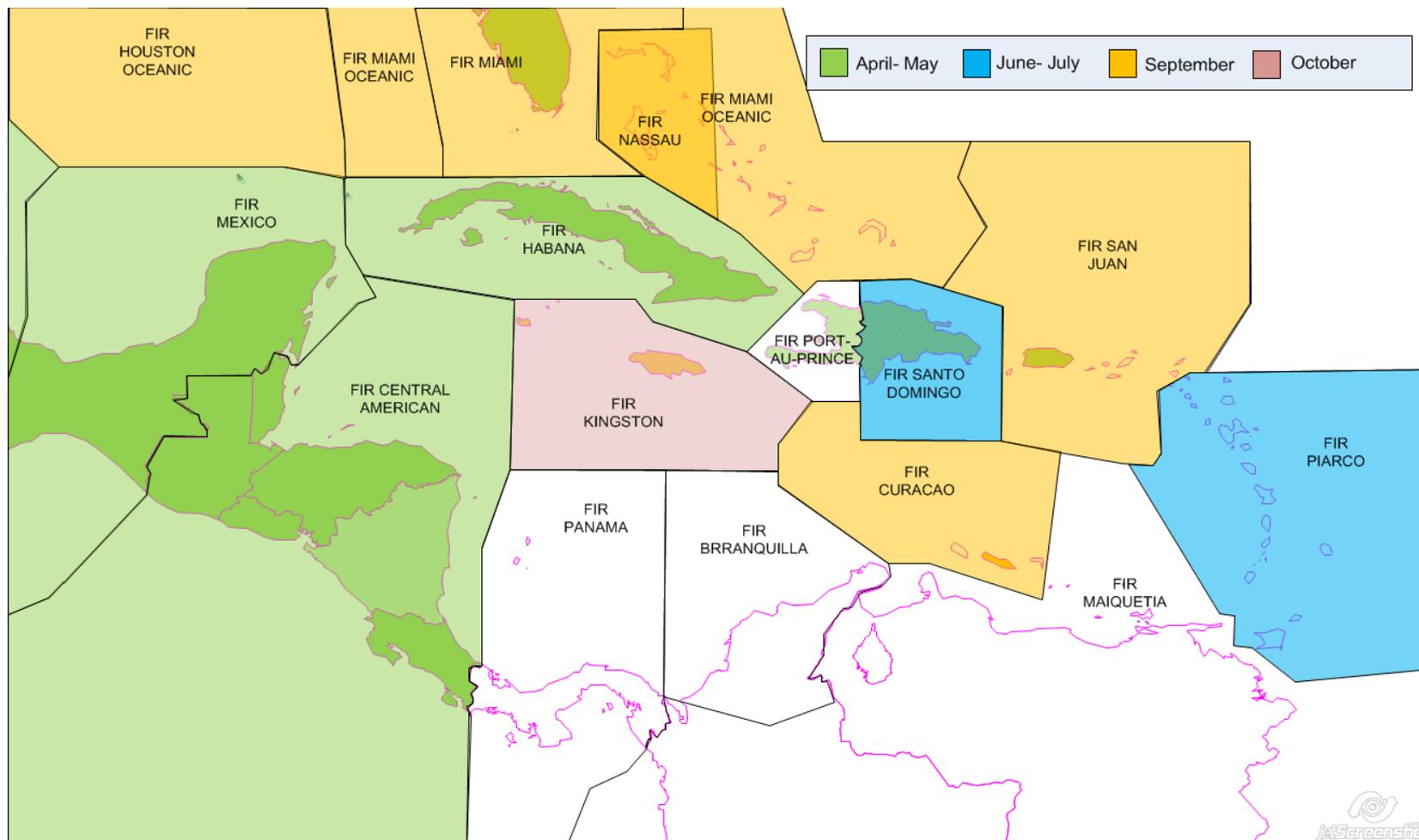
Definition of level of testing (Automation): AFTN template, ATC System, Statistics, Flight Plan associated applications, etc.

Guide and coordinate the different regional tests

- Regional Tests:
- Testing Guide (consistency check/ NEW-Present format/ validity/ capacity)
- Date and Time (timeframe/date testing)
- Participants (PoCs,, responsibilities)
- Phase testing (ANSPs/Airspace users)
- Identify challenges and limitations / Test Reports

Guide and coordinate the different regional tests

☐ Estimated readiness for testing periods:



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