



# Workshop on the ICAO 2012 Flight Plan Provisions



ATNS 2012 FPL Project  
Activities



## Introduction

- ICAO State Letter **AN 13/2.1-08/50** dated 25 June 2008 initiated the project for the **New 2012 Flight Plan Form**.
- A project team was established within ATNS to ensure:
  - ATNS is prepared to implement the required flight plan changes within its systems,
  - ATNS is in a position to support the transition from the current to the new format through the following **Project Activities**:





# Project Activities





# Project Planning

- Project Team
  - Project team is compiled consisting of representatives from:
    - Technical environment
    - Operational environment
- Action plans per area of responsibility
- Regular meetings and workshops





## Project Planning (Cont...)

- Project Timelines
  - Project schedule.
  - Systems:
    - Internal systems & entities
    - External systems & entities
  - Specific requirements and specifications are being compiled and requests for quotations and solutions are being issued to the ATNS system suppliers.
  - Draft implementation, transition and training plans are being compiled.





## Project Planning (Cont...)

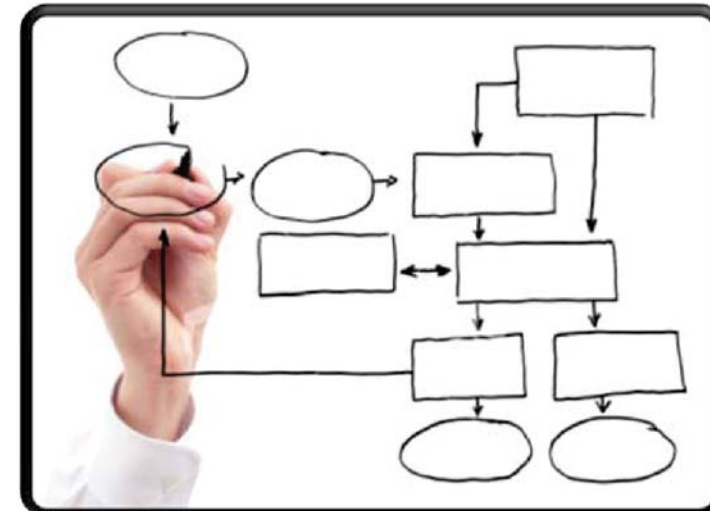
- Action Plans
  - Identified all internal systems potentially impacted with the FPL change. The list is reviewed during each meeting of the project team.
  - Allocate a team member to each system to determine the exact impact of the change and what action is required.
  - Compile an action plan for each system ensuring that interoperability between systems are taken into consideration.
  - Technical and operational action plans are aligned.





## Technical Action Plans

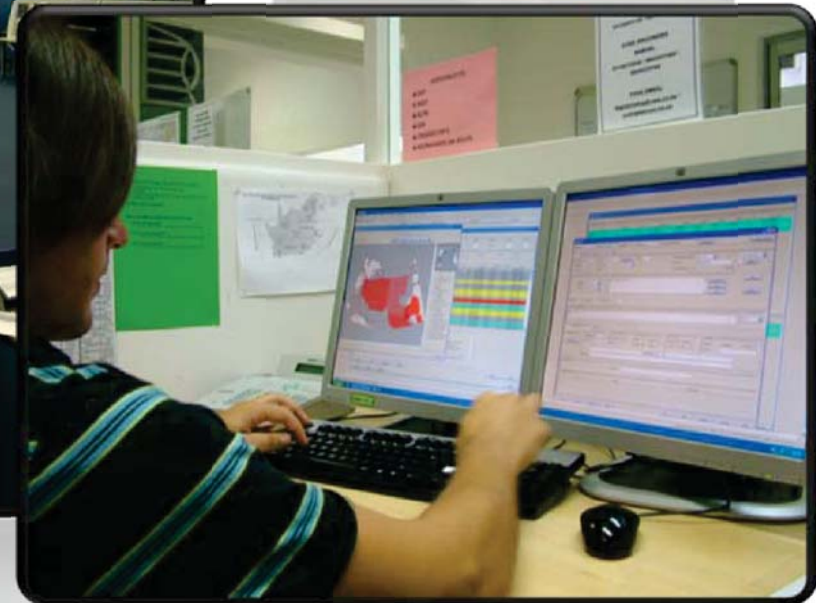
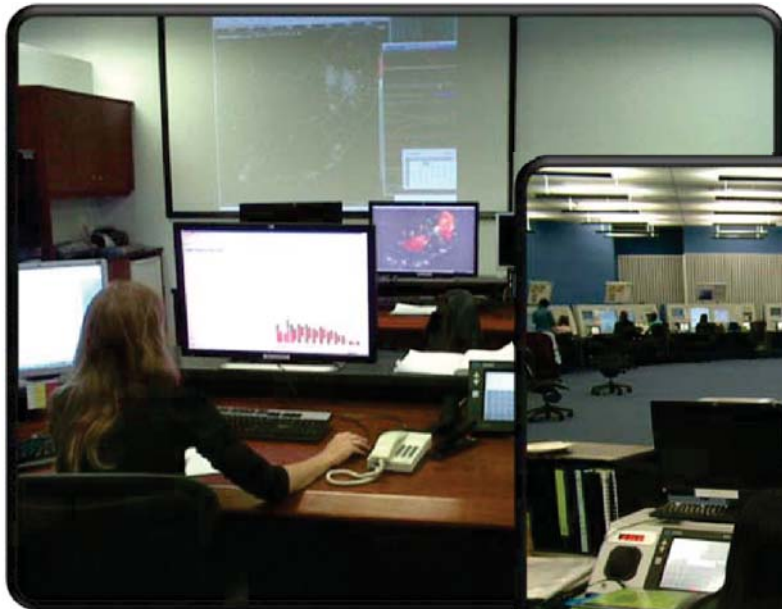
- Systems Identification
- Impact Research
- Solution and Supplier Quotation
- Negotiation
- Implementation & Testing (Risks)
- Transition & Maintenance





## Technical Action Plans

- Systems Identification







## Technical Action Plans

- **Systems Identification**
- Internal systems impacted are:
  - AFTN/AIS (“Motseta”), Display System (Eurocat), CAMU, ASMGCS, Billing System.
- External systems/entities identified are sensitized on the changes as it could potentially impact on ATNS if the external systems/entities are not compliant coming November 2012.
- Prioritizing the systems:
  - AIS system identified as first priority
  - This system is internationally connected and basically feeds all internal systems.
  - The AIS/AFTN system is thus placed on the critical path.



## Technical Action Plans (Cont...)

- Impact Research
  - How does the new FPL format impact on the system?
  - What change is required in the system?
    - Software,
    - Hardware,
    - Processes, procedures & documentation.
  - What interactions does the system have with other systems?





## Technical Action Plans (Cont...)

- Impact Research
  - The AIS/AFTN system is the most impacted and a full software upgrade is required. This system interacts with all the other systems and the international connection is critical. All systems/entities connected to the AFTN Switch have been identified (critical during the transition).
  - Internal Specification and Requirements document.



## Technical Action Plans (Cont...)

### - Solution and Supplier Quotation

- Suppliers is requested to submit a quotation and proposal for the required upgrade to make the system 2012 FPL compliant.
- On receipt of the proposal it is evaluated against the internal specification and requirements document and discrepancies/shortcomings identified.
- The AIS/AFTN system is the most impacted and a full software upgrade is required. The proposal from the AIS/AFTN supplier is currently being evaluated. The implementation schedule of the upgrade will directly impact on the schedules for all the other ATNS systems.





## Technical Action Plans (Cont...)

- **Negotiation**
  - The shortcomings and discrepancies identified are clarified with the supplier.
  - Cost, schedule, implementation and associated plans are negotiated.
  - Order is placed.





## Technical Action Plans (Cont...)

- Implementation & Testing (Risks)
  - Transition and fallback plans are tested.
  - Where possible the upgrade is first installed on a test bed or disaster recovery system or backup system and fully tested before it is implemented on the operational system.
  - Test, Test, Test
  - The AIS/AFTN solution will first be installed and tested off-line before it is implemented on the operational system. Once operationally installed it will first operate in “PRESENT” mode only while further tests are conducted.





## Technical Action Plans (Cont...)

- Transition & Maintenance
  - Provide technical support during the transition.
  - Maintain the system as per existing or new defined processes.
  - Most systems will transition directly from “PRESENT” to “NEW”.
  - The AIS/AFTN solution will transition from “PRESENT” to “PRESENT and NEW” to “NEW” only. Each transition will only take place once all tests have been concluded. Co-ordination with compliant systems/entities is essential.





# Operational Action Plans

**TRAINING IDENTIFICATION**

**TRAINING MATERIAL**

Amendment of Operational  
Procedures & Processes

Participation in Tech Solution  
Implementation & Testing

**TRANSITION PLANNING  
(INTERNATIONAL)**

**TRANSITION PLANNING  
(LOCAL)**







## Operational Action Plans (Cont...)

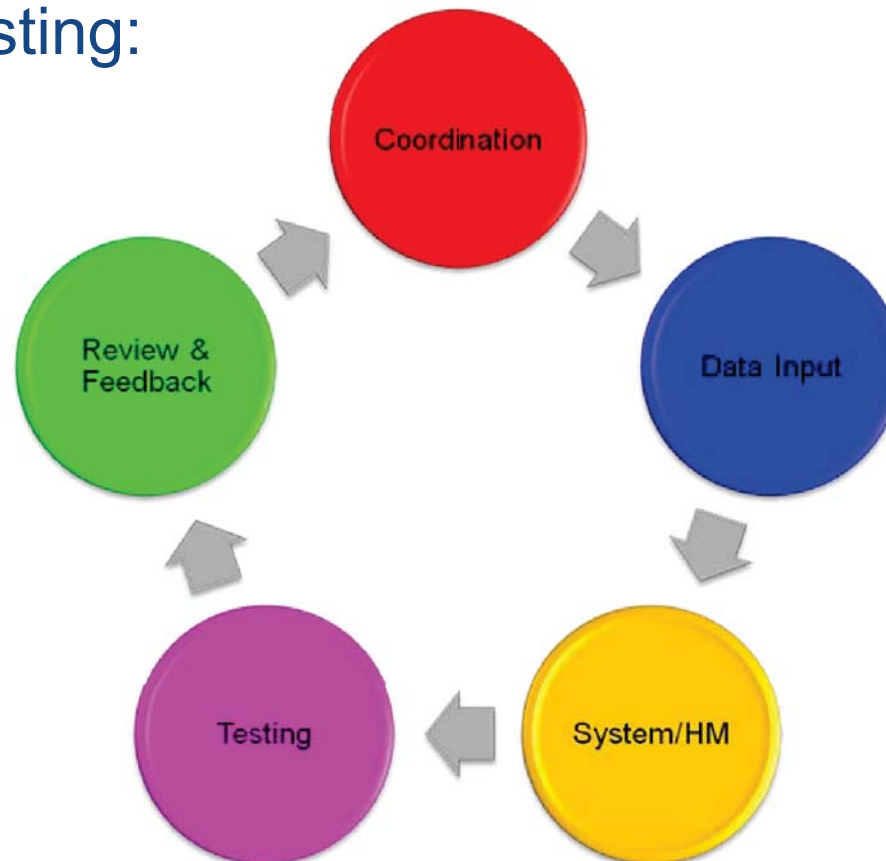
- Major factors Identified include:
  - Participation in Technical Solution Implementation & Testing.
  - Training
  - Operational processes and procedures.
  - Coordination.





## Operational Action Plans (Cont...)

- Participation in Tech Solution Implementation & Testing:





## Operational Action Plans (Cont...)

### - Training:

- Identification of the training gap.
- Developing training syllabus and delivery method .
- Train the trainer.
- Train the rest.
- Certification.





## Operational Action Plans (Cont...)

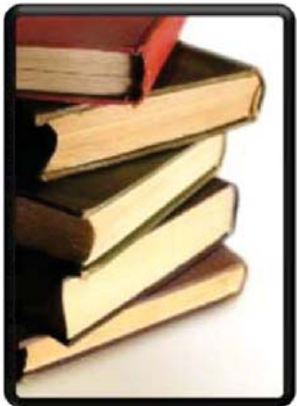
- Operational Procedures & Processes:
  - Review.
  - Resource allocation.
  - Update & Publish.
- Co-ordination:
  - Domestic Role-players.
  - International Role-players.





## Co-ordination / Communication

- Interactions with CAA :
  - AIC & SUP
  - CATS & CARS.
  - AIP
  
- Interactions with Aviation Community
  - Buy-in & co-operation
  - Impact
  - Education





## Co-ordination / Communication

- Interactions with ICAO (FITS)
- Interactions & co-ordination with States/ANSP's
- Internal Co-ordination
  - Company (ATNS)
  - 3<sup>rd</sup> Party





# Final Thoughts

