



# Missing Flight Plans

ICAO ATM/CM-SAF meeting

Johannesburg 3-5 February 2015

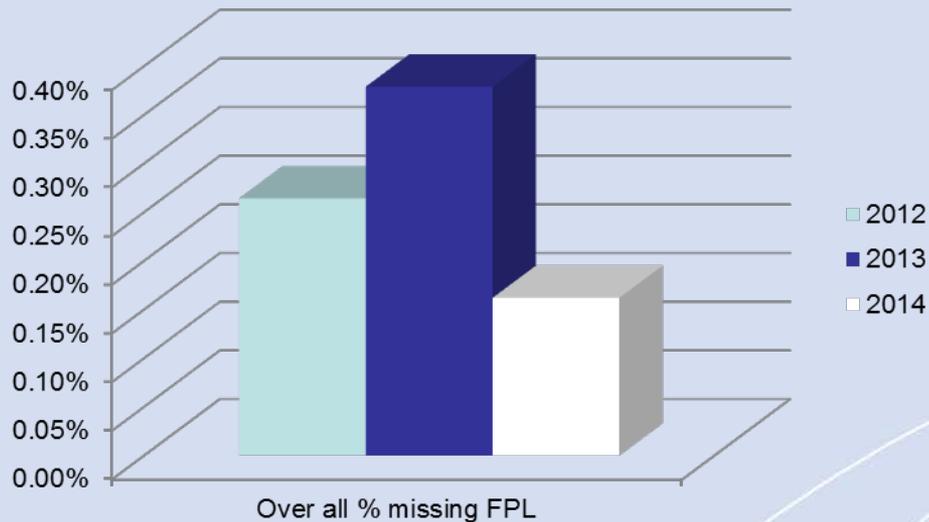
# Missing Flight Plans

- Procedural Control – flight plan information helps to create the mental picture and develop the plan
- Radar Control – flight plan data is coupled with the system aeronautical data and radar feed to create the picture
- In both cases a critical success factor is timely, accurate information obtained, essentially from the flight plan
- The lack of flight plan data significantly increases risk:
  - safety events
  - security breaches
  - system inefficiencies
  - ability to balance demand and capacity

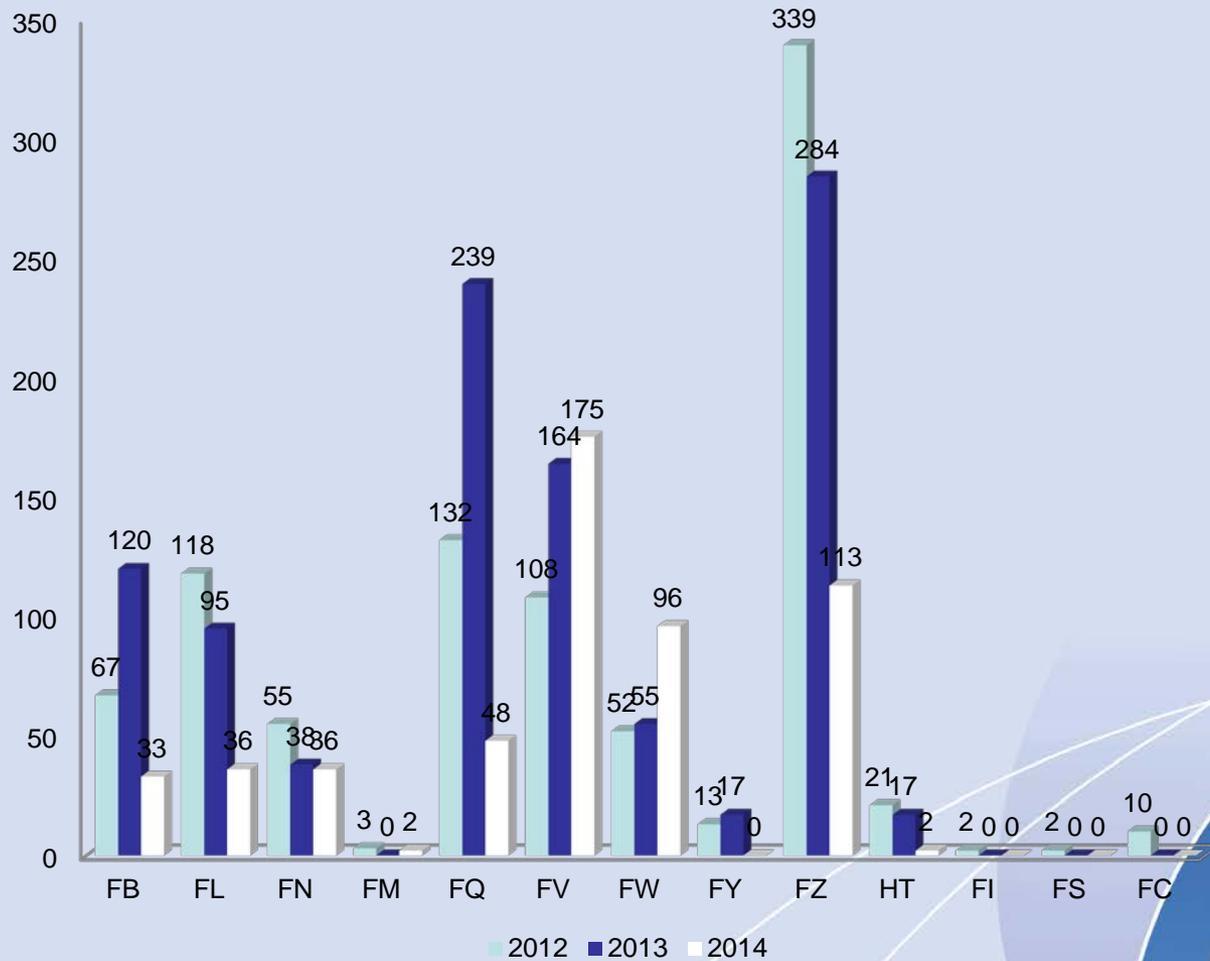


# Missing Flight Plans – South Africa Statistics

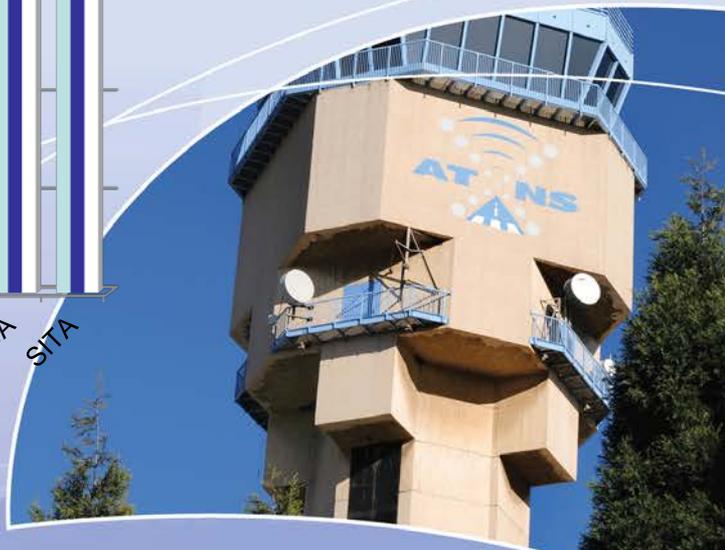
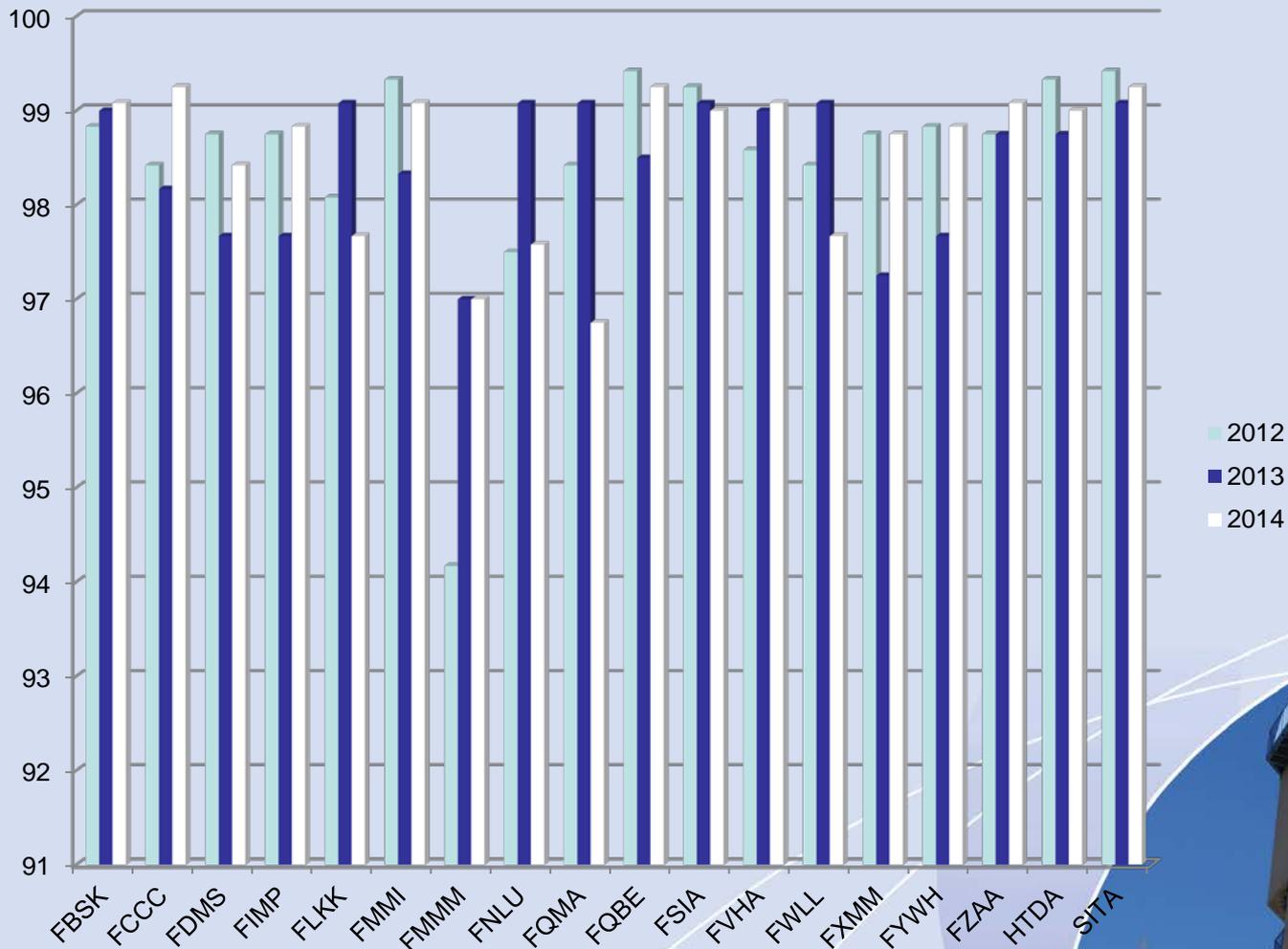
|      | Total number of flight plans filed/received for the year | Total number of missing flight plans (over all) | Over all % missing FPL |
|------|--|---|------------------------|
| 2012 | 427 022  | 1 128   | 0.264%                 |
| 2013 | 395 706  | 1 499   | 0.379%                 |
| 2014 | 389 316  | 631   | 0.162%                 |



# Missing Flight Plans –Southern AFI FIR Originators



# Missing Flight Plans – AFTN Availability



# Missing Flight Plans – Major Causes

- AFTN availability is NOT a major cause
- Major contributing factors ARE:
  - Incorrect addressing
  - Switch configuration – AFTN traffic routing (Addis)
  - Syntax / data error = system queues



# Missing Flight Plans – Mitigations

- Operator engagement
- Flight plan addressing requirements in South African AIP
- Critical address configuration in AIM system
- Automated addressing



# Missing Flight Plans – Actions by meeting

- In order to improve further the reduction in the prevalence of missing flight plans regional communication and cooperation is required, with regular exchange of statistics and missing flight plan lists for investigation.
- The recommendations of the workshop on the mitigation of loss of operational messages be implemented, in particular:

Recommendation 1/01 – reinforcement of the compliance to the requirements of the ICAO flight plan new format. In order to increase the availability of flight plans in the AFI region, administrations/organisations ensure that airlines and ANSP's re-enforce the capabilities of their operators in charge of flight plans to follow the requirements of the ICAO flight plan new format.



# Missing Flight Plans – Actions by meeting

- The recommendations of the workshop on the mitigation of loss of operational messages be implemented, in particular: (continued)

Recommendation 1/04 – Monitoring the control signals between AFTN messages switching systems. States/Organisations make bilateral and multilateral arrangements to investigate the availability of the control signal between AFTN message switching systems and take related remedial measures

Recommendation 1/06 – Implementation of procedures to mitigate loss of operational messages (FPL, NOTAM, OPMET)....b) ANSP's should issue AICs and letters to inform; their neighbours, IATA, Eurocontrol and ICAO on their collective addressing procedures.





# Contact us

## ATNS HEAD OFFICE

### Postal address

Private Bag X15  
Kempton Park  
1620

### Street address

Block C, Eastgate Office Park  
South Boulevard Road  
Bruma 2198  
Gauteng  
Republic of South Africa

### Contact details

Tel: +27 11 607 1000

Fax: +27 11 607 1570

Website: [www.atns.com](http://www.atns.com)

Email: [marketing@atns.co.za](mailto:marketing@atns.co.za)

## THE AVIATION TRAINING ACADEMY

### Postal address

Private Bag X1  
Bonaero Park  
1622

### Contact details

Tel: +27 11 570 0400

Fax: +27 11 395 3347

Thank you