



4th AFI AVIATION WEEK, Safety Symposium
22 – 25 JANUARY 2016



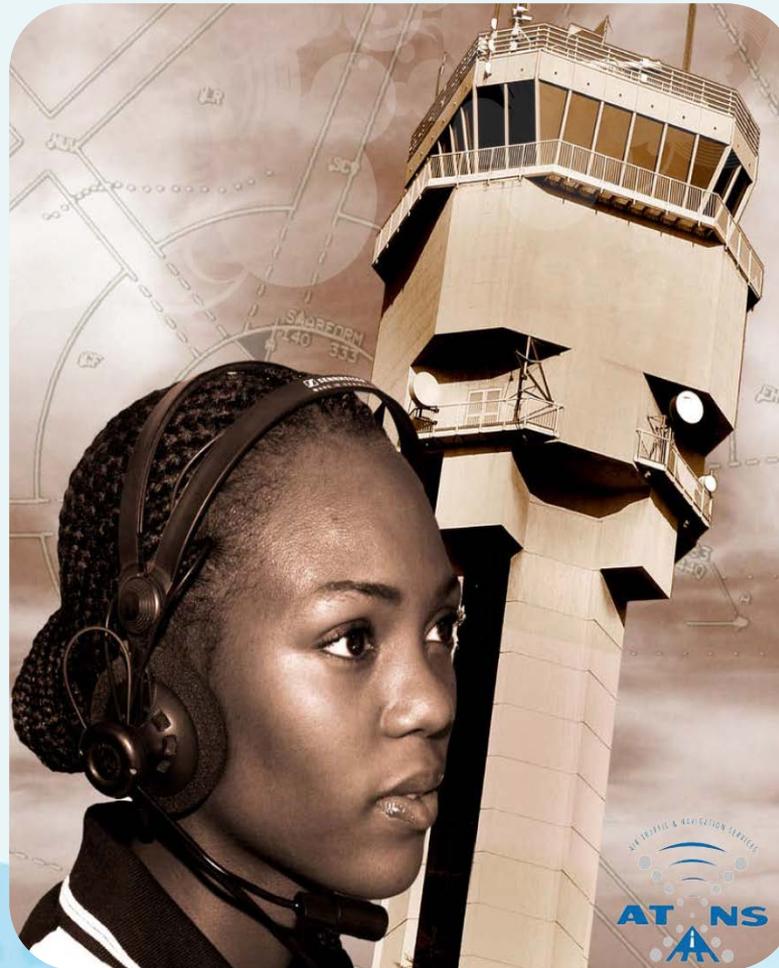
SMS Implementation within ATNS
Mr Jeffrey Matshoba
Executive : ATM/cns Planning

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Introduction & ATNS Profile



ORGANISATIONAL PROFILE



STATE –OWNED
COMPANY (SOC) –
ATNS COMPANY ACT
(ACT 45 OF 1993)
SCHEDULE 2 PUBLIC
ENTITY

Provision of Air
Traffic
Management
Solutions and
associated services
on behalf of state

SHAREHOLDING:
National
Department of
Transport (DoT)

Services according
to ICAO standards
and recommended
practices

ATNS MANDATE



ATNS was incorporated in 1993 in terms of ATNS Company Act, Act 45 of 1993.

The Act mandates ATNS to provide Air Traffic Management Solutions and associated services on behalf of the State in accordance with ICAO Standards, recommended practice as well as the South African Regulations and Technical Standards.

ATNS STRATEGY

OUR VISION

To be the **preferred** supplier of **air traffic management solutions** and **associated services** to the **African** continent and selected **international** markets

OUR MISSION

To provide **safe, expeditious** and **efficient** air traffic management solutions

AREAS OF RESPONSIBILITY

ATNS in South Africa



ATNS AT A GLANCE – QUICK FACTS



1

FY 2016/2017

Total Air Traffic Movements - 1,115,346

Billable aircraft movements - 481,840

2

Total airspace - 22 000 000 km² (10% of world)

3

Statutory service provision - 9 Airports

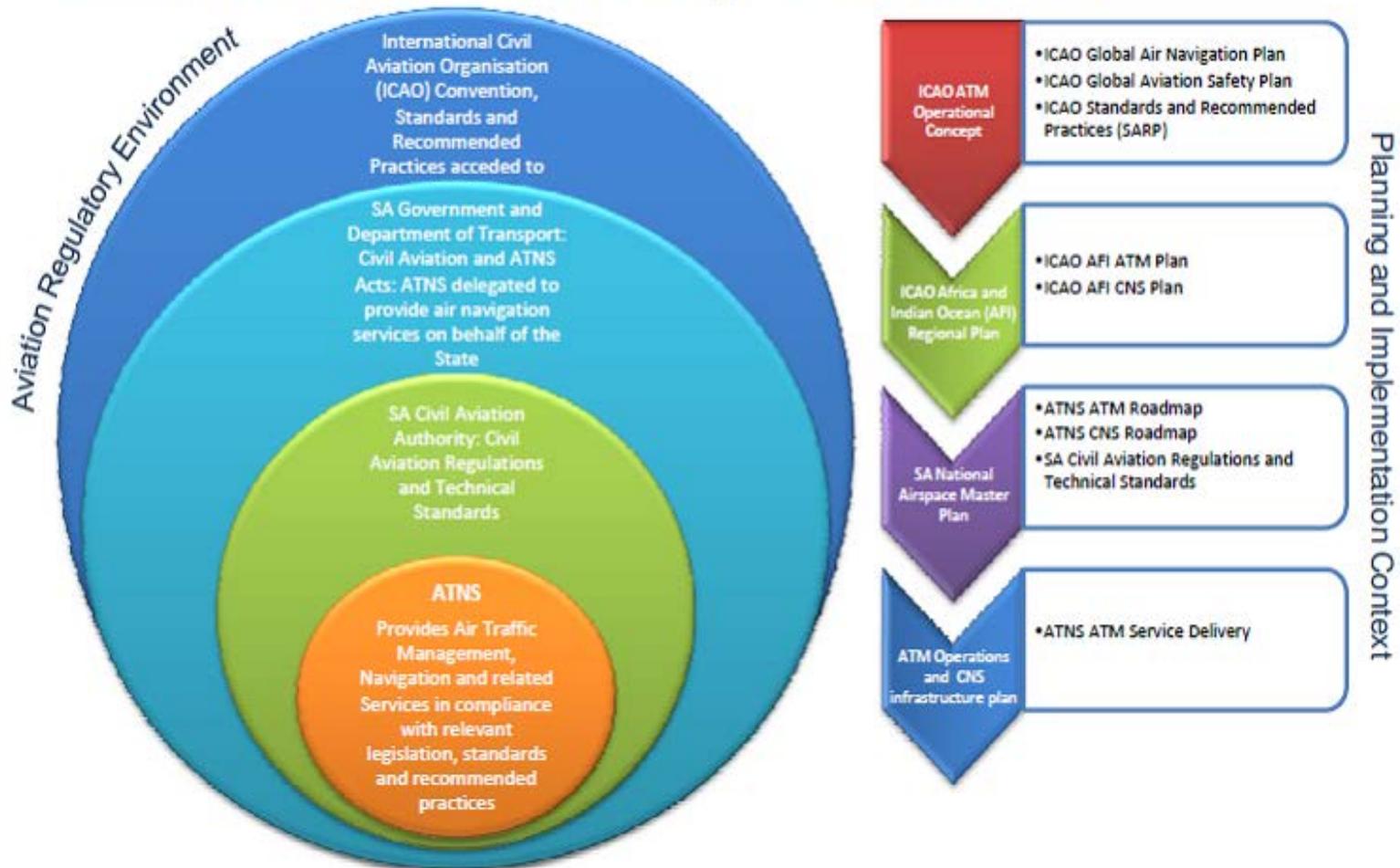
4

Contractual service provision - 13 Airports

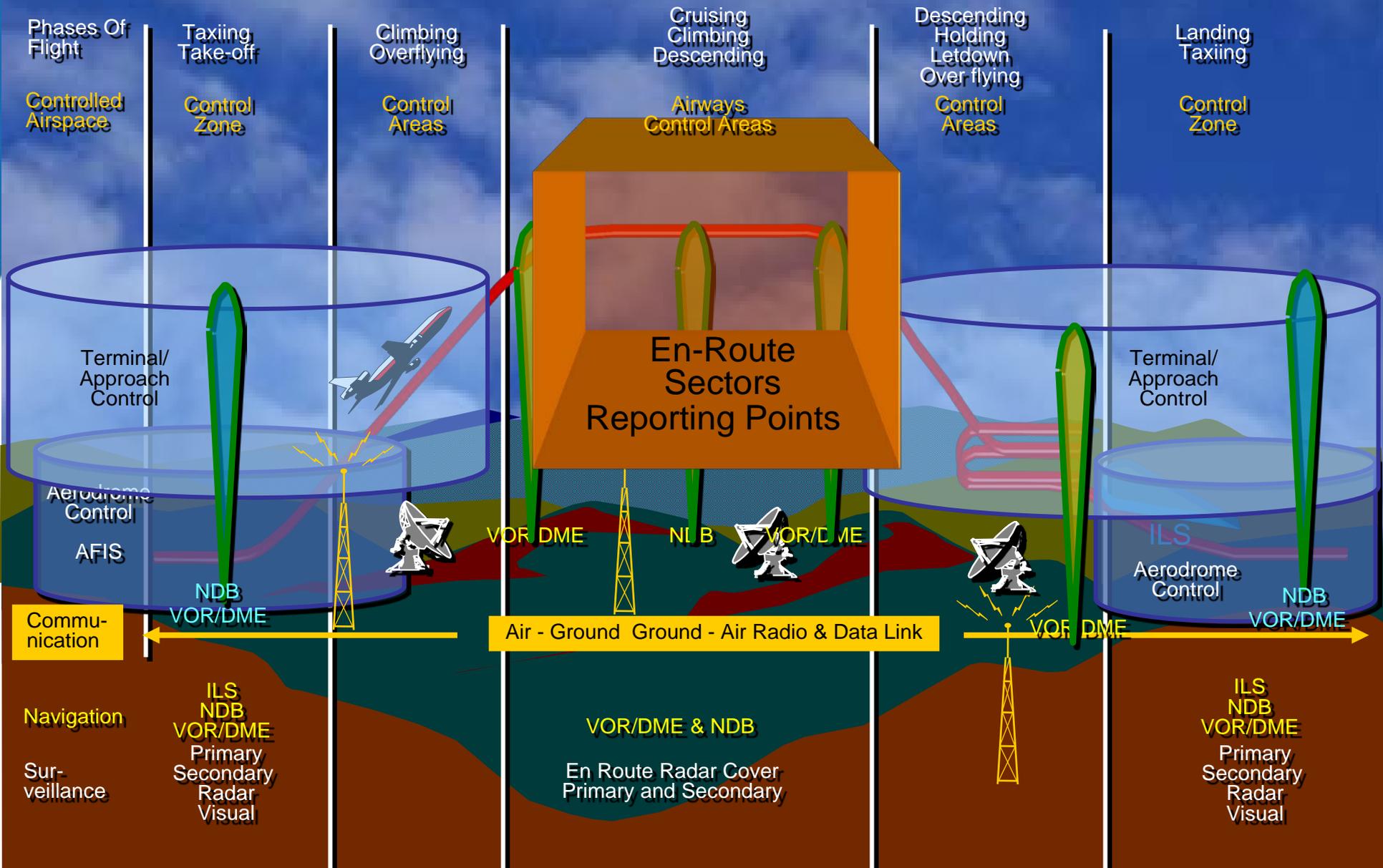
A white rectangular sticky note with a red pushpin at the top right corner. The words "Quick facts" are written on it in a black, cursive script.

Quick facts

Civil Aviation Regulatory and Service Delivery Context



..services provided



AVIATION SAFETY CHALLENGES

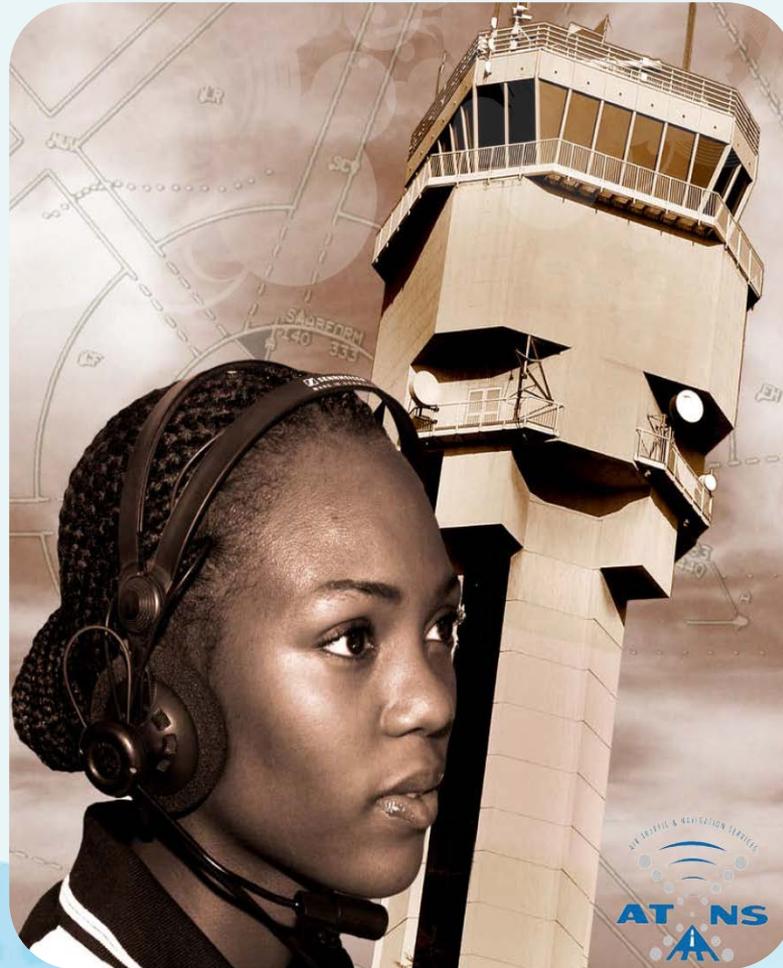
Safety
Performance

Lack of adequate
resources and
infrastructure

Distance and
limited
connectivity with
our neighbours

Introduction of
new **regulation**

SMS Journey



Implementation of SMS in ATNS

- ATNS SMS Established in 2006
- ICAO Requirement
- Annex 11 Chapter 2.26



ATNS SMS Structure

Safety policy

Safety promotion

ATNS SMS

Safety Assurance

Safety Risk
management

Evolution of ATNS SMS

- SMS Manual reviewed once every two years
- Alignment to the SOE 2011
- SMS training
- Safety groups
- Development of continuation training
- Safety month (promotion)
- Safety publication
- Safety workshops
- Annual Benchmarking exercises (LoS & RI)
- Safety culture surveys
- Critical Incident Stress Management
- Intergrated Electronic SMS- XTRAX
- CANSO maturity surveys



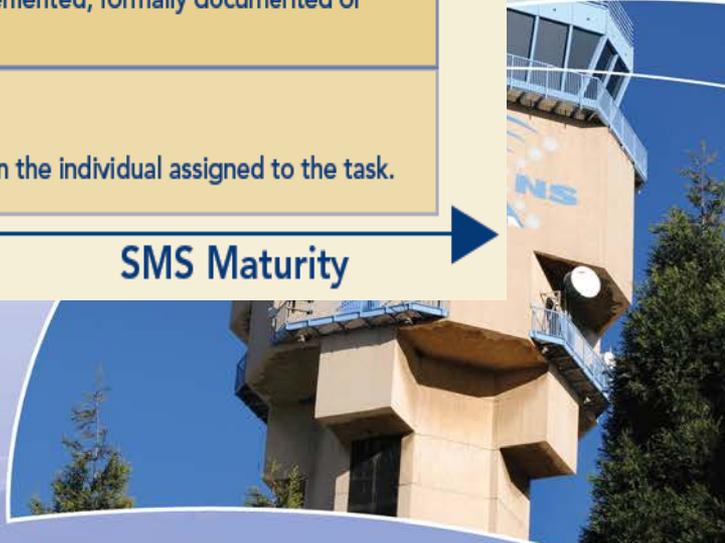
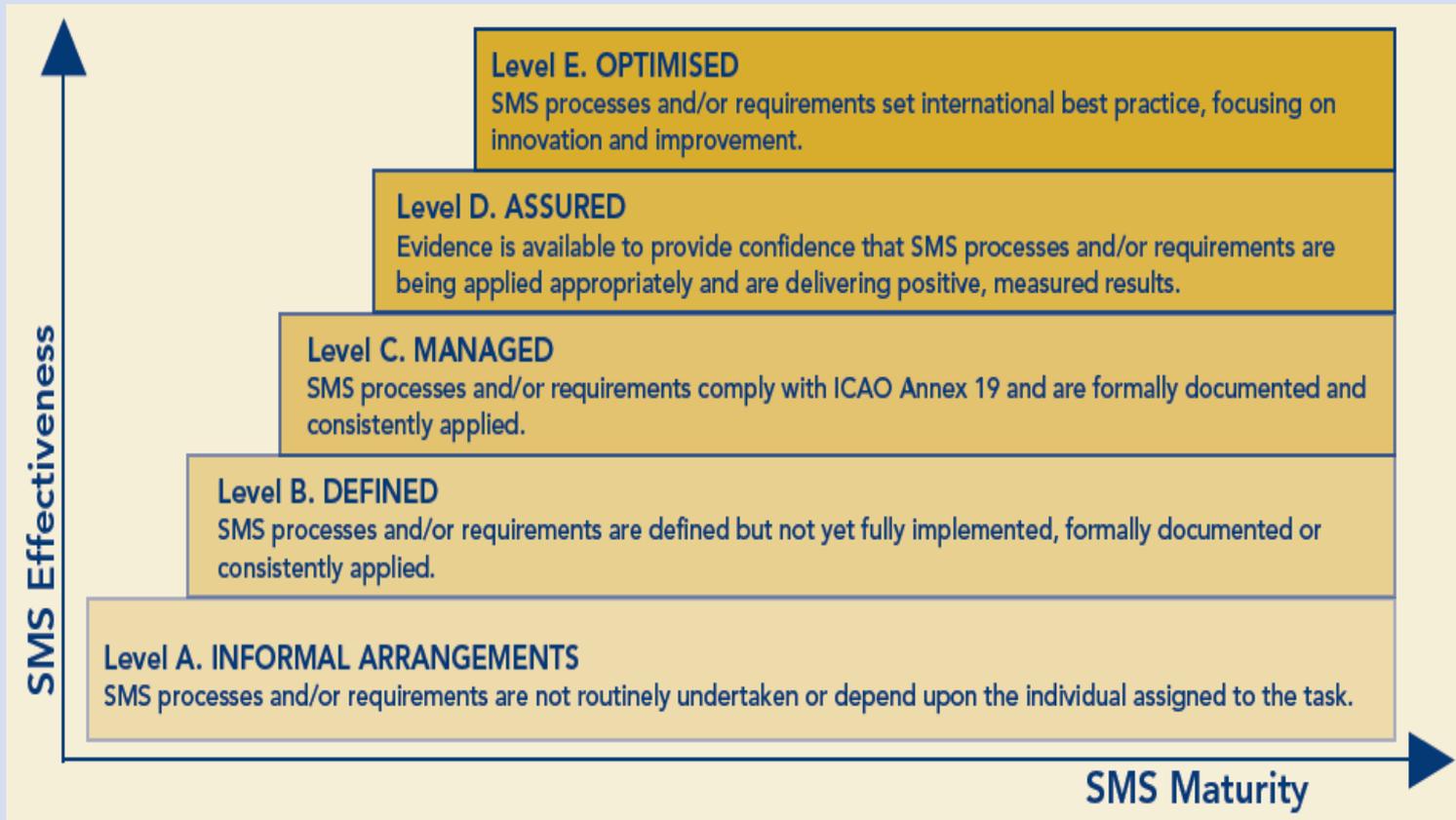
Impact of CANSO to ATNS Safety

- Aviation industry **collaboration** is at the heart of driving **global transformation**
- Air Traffic Management is a very high priority at ICAO because it impacts directly on the body's complimentary **safety and efficiency goals**
- CANSO, the global voice of Air Traffic management, has official observer status at ICAO and is working to transform the performance of the air traffic management system
- The CANSO Africa office aims to create a platform of collaboration for Efficient and Safe Air Traffic Management in **Africa**:

**CANSO Maturity Survey
Peer Review Initiative**



CANSO SMS Maturity levels



CANSO SEANS Safety Assessment

- CANSO Standard of Excellence for Air Navigation- Jan 2016
- 2 Assessors: NAVCANADA and SAUDI ARABIA
- 17 areas of SMS surveyed with justification and evidence
- 14 Areas comply or exceed level C maturity
- 3 areas found to be level D

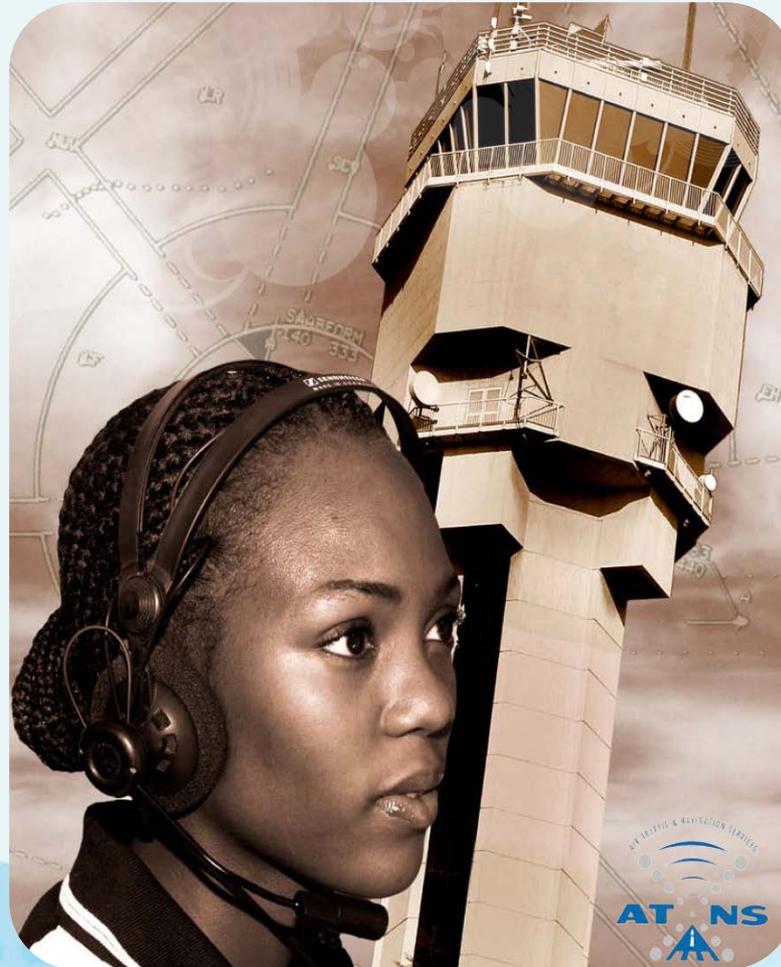


ATNS Results

ATNS Final Results



Conclusions



Road to level C compliance

- Implementation of SMS in the Flight Procedure Design (FPD) and Engineering domains

- SMS awareness presentations
- SMS training
- Review of SMS documentation to include Engineering and FPD processes

- Safety culture survey for Engineering domain

- Measurement of risk baseline and level of risk acceptance to be defined



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Thank you