



canso
civil air navigation services organisation

CANSO Safety Successful Story

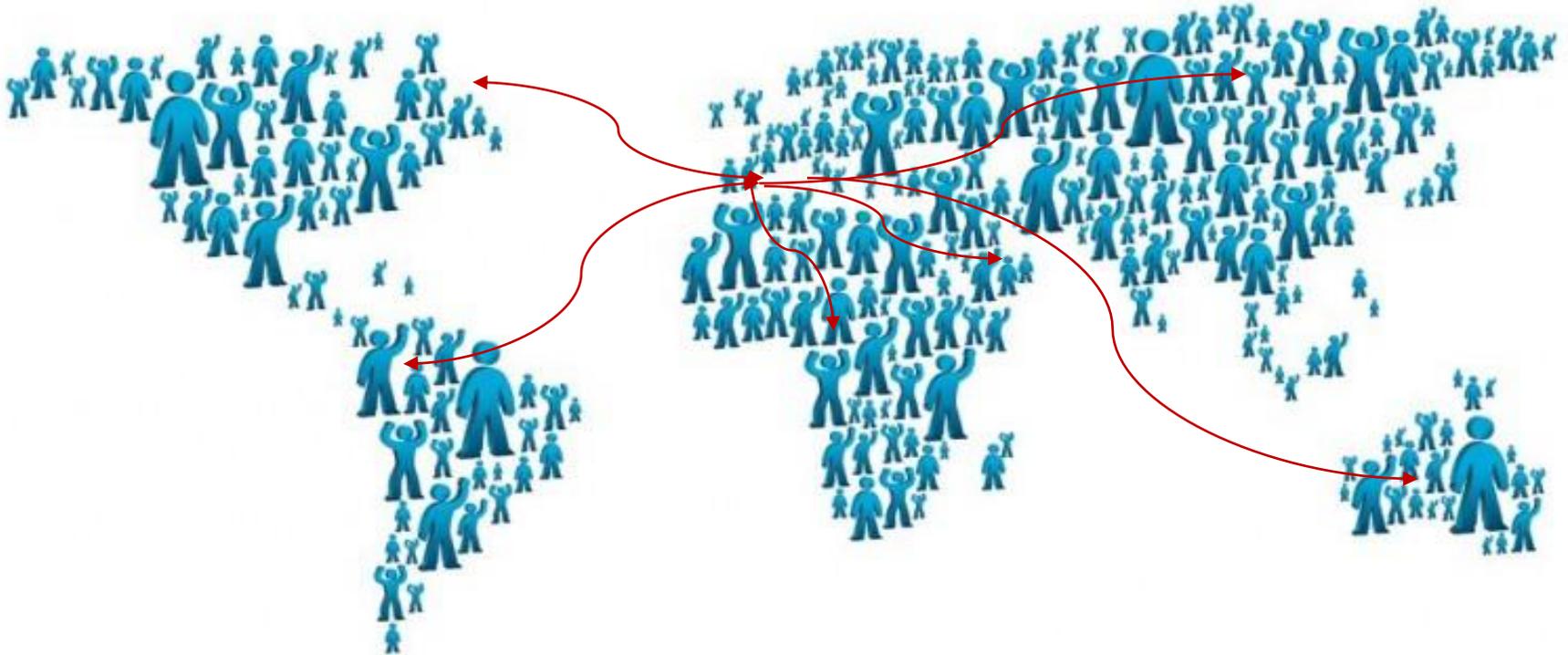
Hanan Qabartai
CANSO Director ME Affairs

Fourth Meeting of the RASG-MID Steering Committee (RSC/4)
(Cairo, Egypt, 15 – 17 December 2015)

CANSO – Introduction

- CANSO is the global voice of air traffic management (ATM) worldwide. CANSO Members support over 85% of world air traffic. Members share information and develop new policies, with the ultimate aim of improving air navigation services both on the ground and in the air.
- CANSO seeks to lead the transformation of global ATM performance and to serve as the global voice for its Member air navigation service providers (ANSPs)

**CANSO is a global platform for the exchange of best practice ,
On this platform we have the chance to work together, learn
together, and then leading by examples.**



CANSO Programmes



Safety



Policy



Operations



ICAO

CANSO's Regions

Africa

**Asia-
Pacific,**

Europe

**Middle
East**

**Latin
America
and
Caribbean**

Vision 2020 Key Safety Priorities

- **Global Partnership:** *Implement a CANSO Safety Strategy that seeks to drive safety performance through global industry collaboration and a success-based approach.*
- **Creating Value for Members & Stakeholders:** *Develop safety management guidance and tools which will assist ANSP transitions to increasingly automated service delivery.*
- **Global Partnership:** *Develop and implement common definitions and predictive measures of operational safety risk, as well as positive safety performance metrics that seek to drive safety improvement across all CANSO Membership.*

CANSO Safety Standing Committee SSC

Oversees the CANSO Safety Programme and is broadly committed to:

Continuous Improvement

Enhancing Safety management and culture

Providing global leadership on safety Management

Objectives of the SSC

- Provide members with a mechanism to exchange information and best practices to improve their safety management systems (SMSs) and overall safety performance;
- Establish common CANSO positions on a broad range of safety issues;
- Represent the safety interests of CANSO Members to governmental and regulatory bodies (particularly ICAO); and
- Identify CANSO safety goals and develop products and initiatives in support of those goals

CANSO SSC Work Group Structure

GOAL: Implement a CANSO Safety Strategy that seeks to drive safety performance through global industry collaboration and a success-based approach.

GOAL: Develop safety management guidance and tools which will assist ANSP transitions to increasingly automated service delivery.

GOAL: Develop/implement common definitions/predictive measures of risk, positive safety performance metrics

CANSO SMS Capabilities

Activity 1:

Collaborate with industry partners.

Activity 2

Facilitate regional safety programmes and safety support.

Activity 3

Promote/encourage adoption of the safety culture framework and tools.

Activity 4

Enhance safety management approaches.

Activity 5

Coordinate SSC support of CANSO cross-committee work.

Future SMS Development Workgroup

Activity 1

Achieve a consistent approach in automation concepts of operation.

Activity 2

Use tools to determine the impact of automation on controllers.

Activity 3

Assure that design maintains the human in the system and that functions maximise safety benefit.

Activity 4

Integrate human factors and performance findings in the safety analysis and investigation phase by closing the loop.

Activity 5

Develop new processes, (risk and fatigue management, and promote safety culture as a key enabler.

Safety Performance Measurement Workgroup

Activity 1

Create new leading indicators oriented toward understanding safety performance and risk control effectiveness.

Activity 2

Outline common definitions and measures of risk in order to proactively identify potential safety hazards.

Activity 3

Promote guidance and educational materials to increase member participation in CANSO data reporting programmes.

Activity 4

Shift focus from failures to successes.

SMS Implementation Publications that have been reflected to the Middle East

- **CANSO SMS Implementation Guide**
- **CANSO Standards of Excellence**
- **CANSO SMS Maturity Survey**

http://www.canso.org/publications?field_programmes_tid=1

Safety Valuable Documents Publications could be reflected to the Middle East

- Brochures and publications
- Documents
- Blogs
- Runway Safety initiative
- Other important materials

http://www.canso.org/publications?field_programmes_tid=1

Latest Safety Important releases

Lately , CANSO released two important documents that will lead to the further enhancement of safety in air traffic management (ATM):

- A revision to the Standard of Excellence in SMS Version 2.1
- A revision to the CANSO SMS Implementation Guide to Version 2.1

Standard of Excellence in SMS

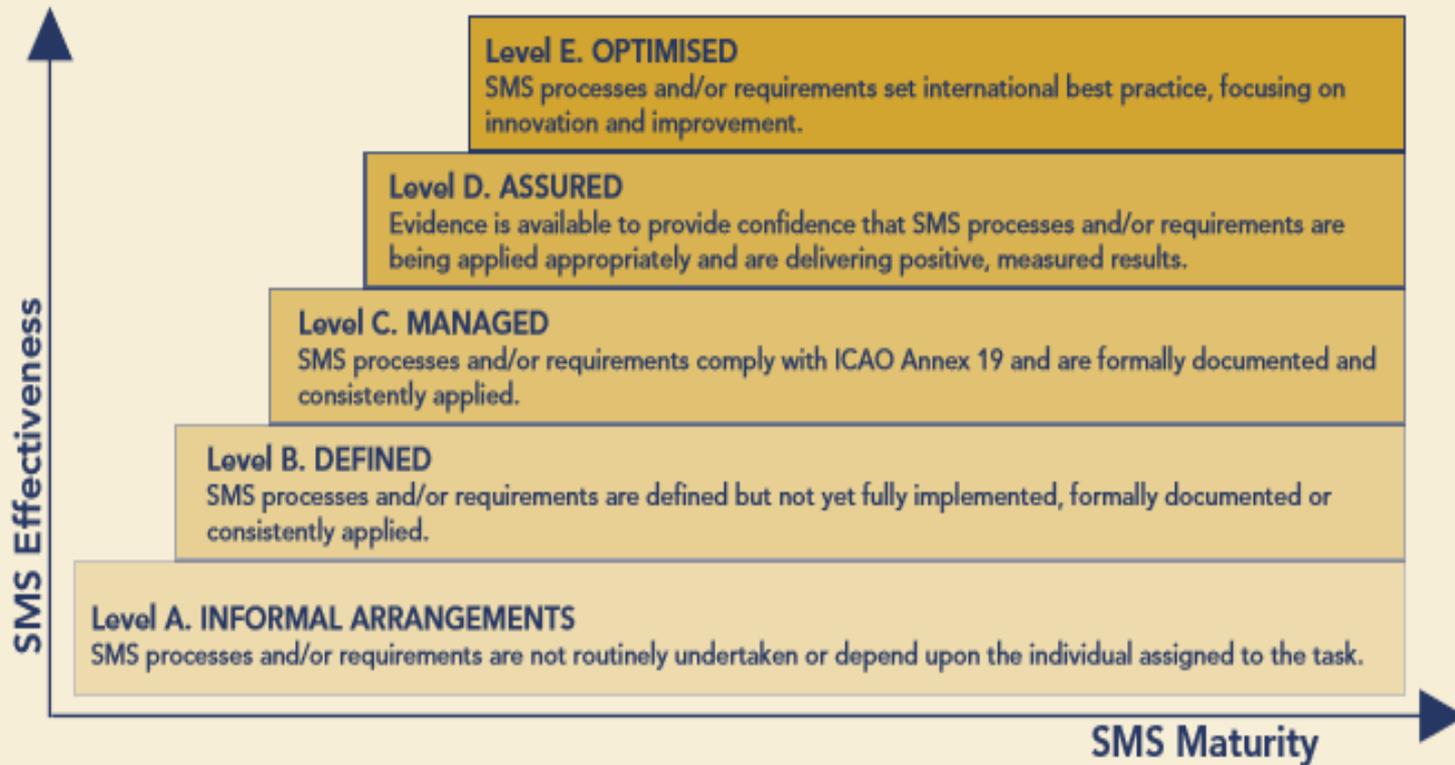
Aims to Provide means through which ANSPs can comply with ICAO Annex 19 requirements for service providers by achieving the “implementing” level of maturity in the relevant areas of the Standard.



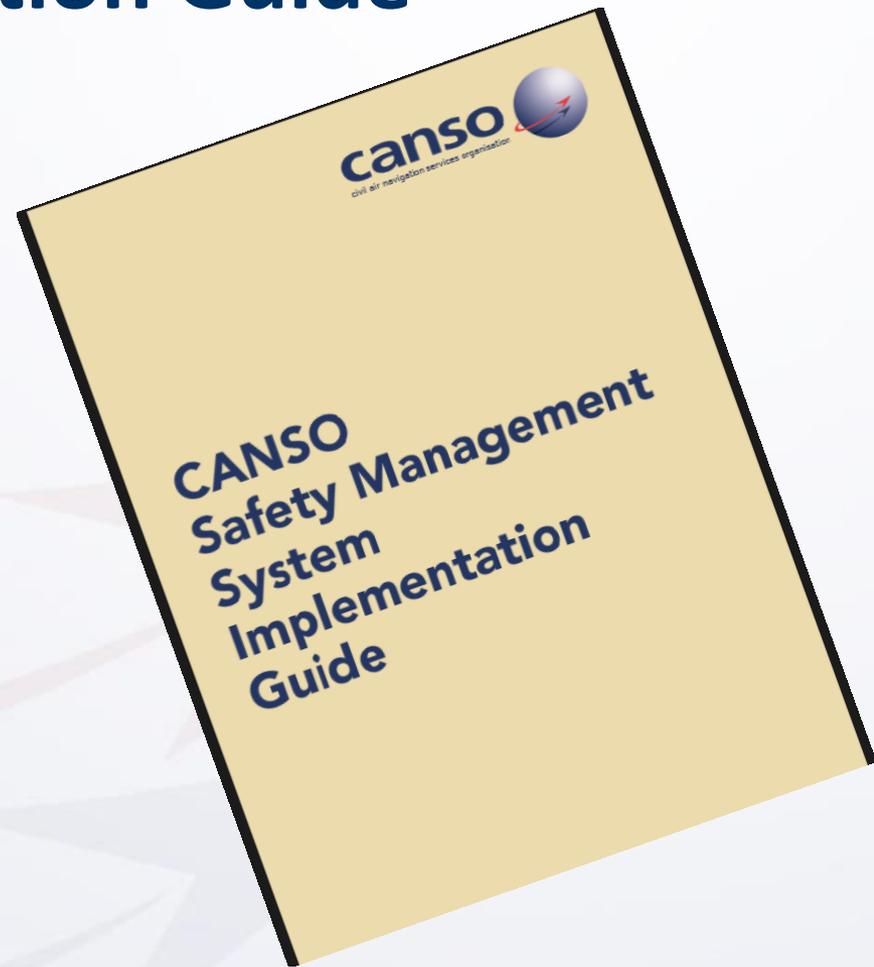
This valuable document available on canso website:

<http://www.canso.org/canso-standard-excellence-safety-management-systems>

In The Revised Version of SoE the phased steps (or levels) in the SMS Maturity Pathway and their associated objectives have been updated to more accurately reflect the environment, activities and priorities of the ANSP as it works toward implementing an SMS.



CANSO SMS Implementation Guide

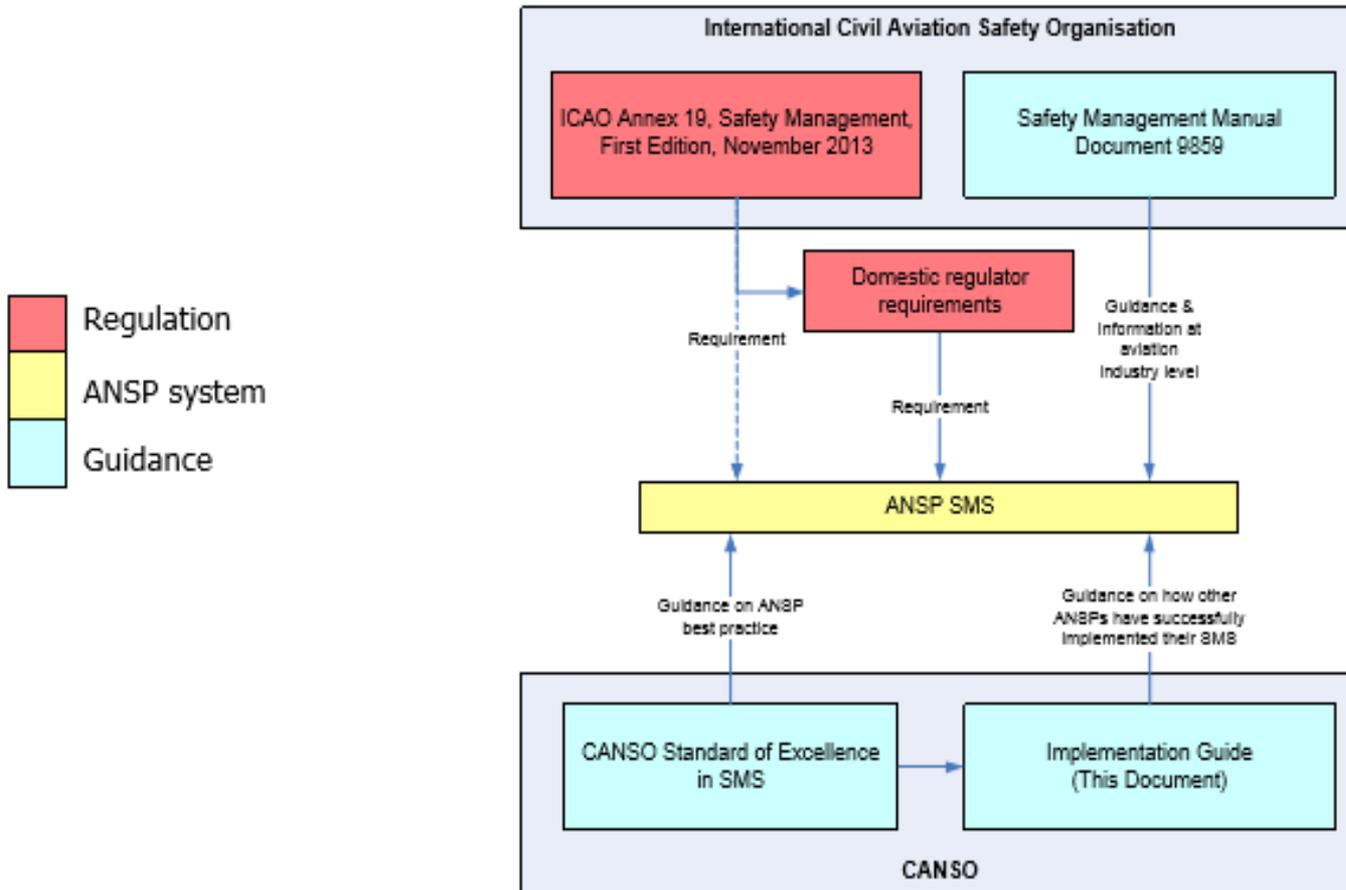


This valuable document available only for canso members

Why CANSO SMS Implementation Guide is important document?

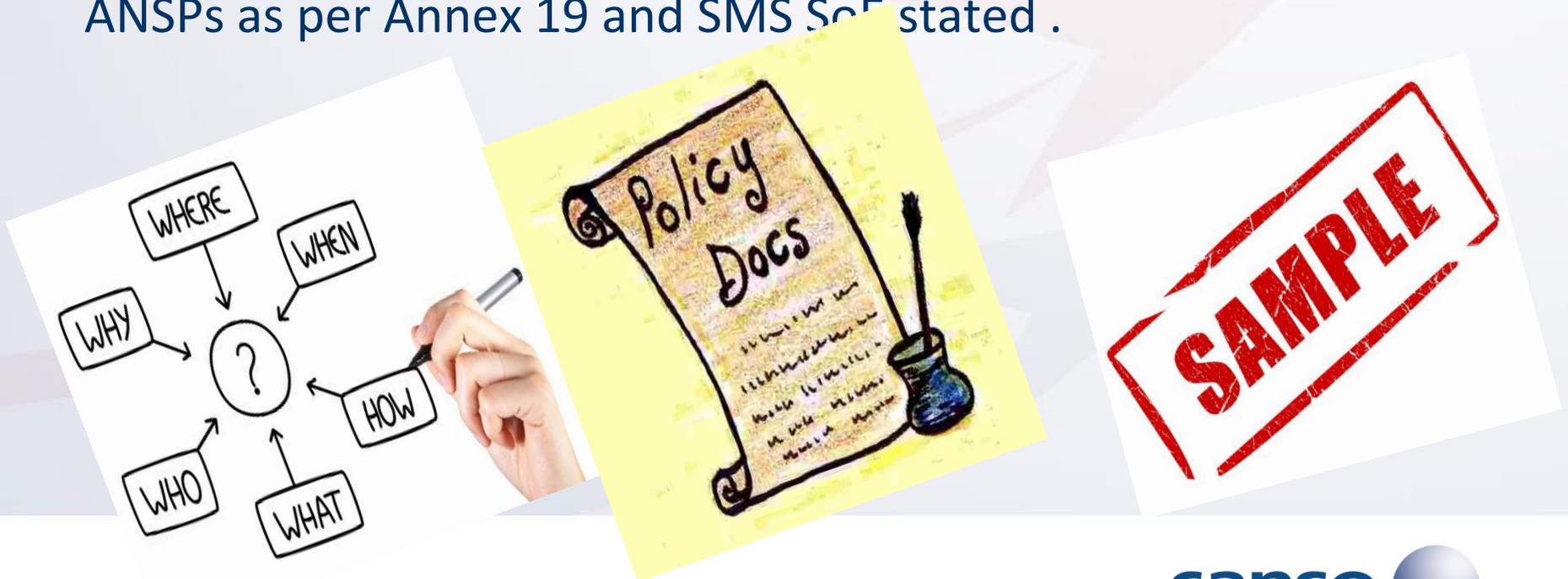
- It expands on the concepts in the CANSO SoE in SMS to provide detailed guidance to achieve increasing levels of safety maturity, focusing on areas such as: safety culture, risk management, human factors, safety by design, emergency response planning, fatigue risk management and barrier analysis.
- Like the SoE in SMS, it aligns to ICAO Annex 19 and related Standards and Recommended Practices (SARPS).
- In the revised Version 2.1, the SMS Implementation Guide has been updated to reflect the changes made to the SoE in SMS and to ensure the information in the guide remains relevant and immediately beneficial to CANSO Members at varying levels of SMS implementation and maturity.

Posting and Role of CANSO SMS Implementation Guide



The benefits of the SMS Implementation Guide

- It includes Samples for SMS structure From several ANSPs.
- It also explains what should be included in the Safety Policy , provides a template , and has examples of policies from Several ANSPs as per Annex 19 and SMS SoF stated .



Latest Safety Events

- CANSO Global ATM Safety Conference 2015, was recently held in Punta Cana, Dominican Republic 19 October 2015. Conference report can be found at https://www.canso.org/sites/default/files/CANSO%20Safety%20Blog_Nov%202015.pdf
- Conference papers, presentations available only for CANSO members .

Latest Safety Issues

- The adoption of a CANSO Common risk analysis methodology
- SEANS – Safety , CANSO Standard of Excellence in Air Navigation Services . Is a mechanism to assess and demonstrate the maturity levels of the safety management systems of CANSO Member ANSPs.
- The role of Human Performance Measurement in CANSO's safety programme
- Safety II – focusing on what works well
- Runway Safety

<http://www.canso.org/remarks-canso-director-general-jeff-poole-canso-global-atm-safety-conference-punta-cana-19-October>

Thank You

For any further inquiries please send your inquiry to :

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