CANSO Safety Best Practice In the Middle East
Towards better aviation

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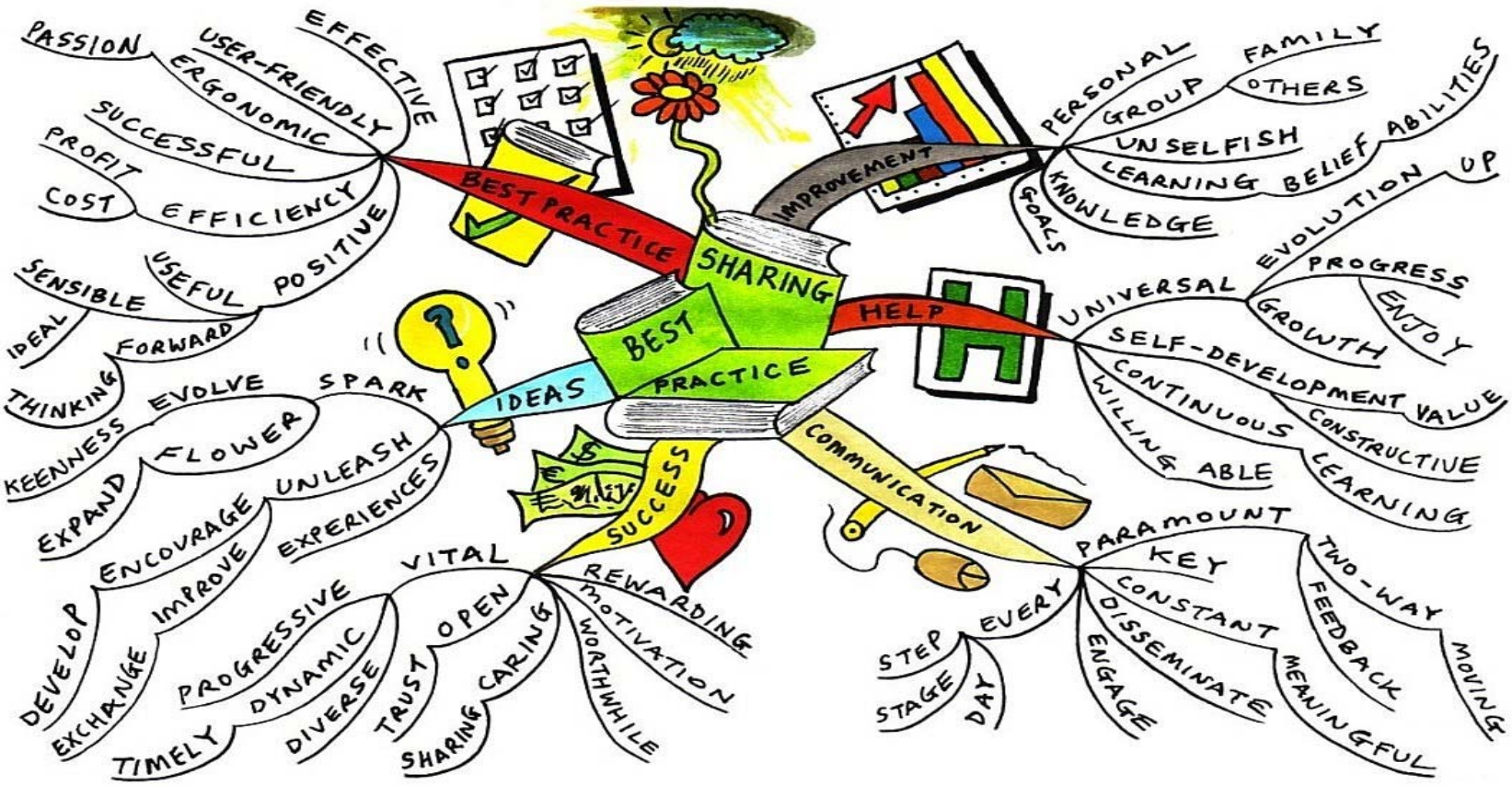
CANSO – Introduction

Civil Air Navigation Services Provider

- 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



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Accountabilities

- ICAO and the States determine the **‘what’,**
- CANSO and the industry determine and implement the ‘**how’** for ATM.

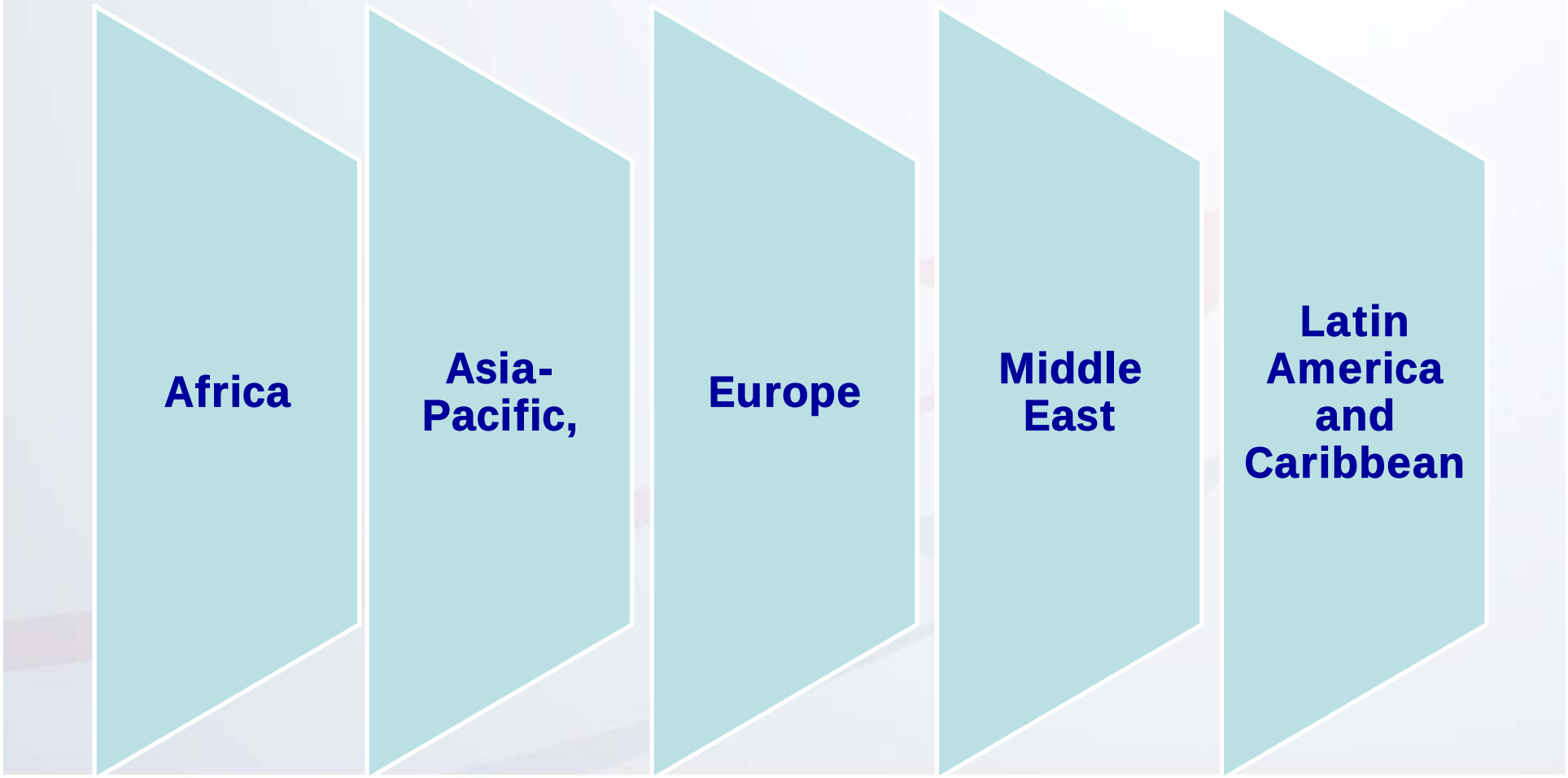
Vision 2020 Key Safety Priorities

- **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's Regions



CANSO Standing Committees

Safety

Policy

Operations

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.

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.

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

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.

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

Safety Performance Measurement Workgroup

Activity 1
Create new leading indicators oriented toward understanding safety performance and risk control effectiveness.

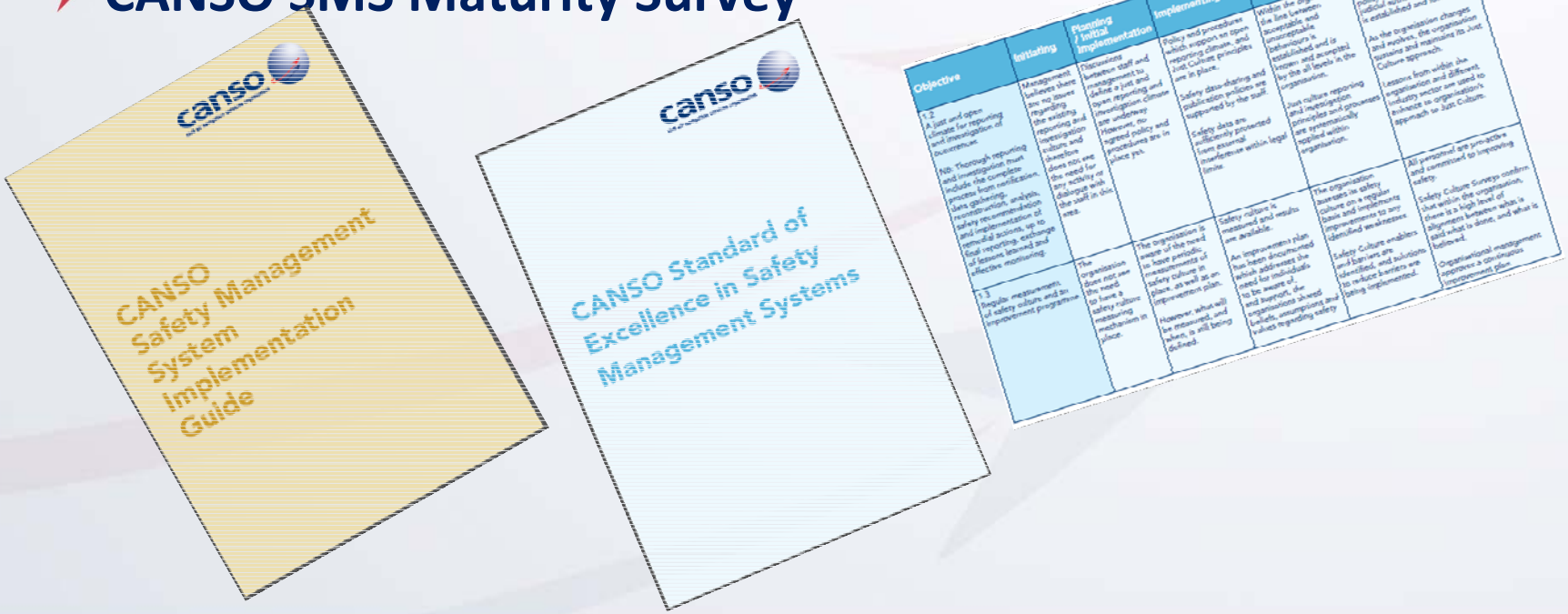
Activity 2
Outline common definitions and measures of risk in order to proactively identify potential safety hazards.

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 Products reflected to Middle East

- CANSO SMS Implementation Guide
- CANSO Standards of Excellance
- CANSO SMS Maturity Survey



https://www.canso.org/safety

CANSO SMS Maturity Survey objectives

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.

Standard of Excellence Objectives

- Drive improvement within the industry;
- Transfer learning across the industry;
- Demonstrate compliance with the SMS aspects of ICAO Annex 19 when reaching the “Implementing” level of maturity;
- Allow each member to build a SMS which is commensurate to the size and complexity of its specific operation;
- Provide a path for continuous improvement beyond that required by both international and domestic regulations;
- Reflect industry best practice;
- Provide a means for management, and Safety Managers in particular, to directly and deliberately plan for safety at a corporate, group and project level to assure that risks to operational service delivery are reduced as far as reasonably practicable.

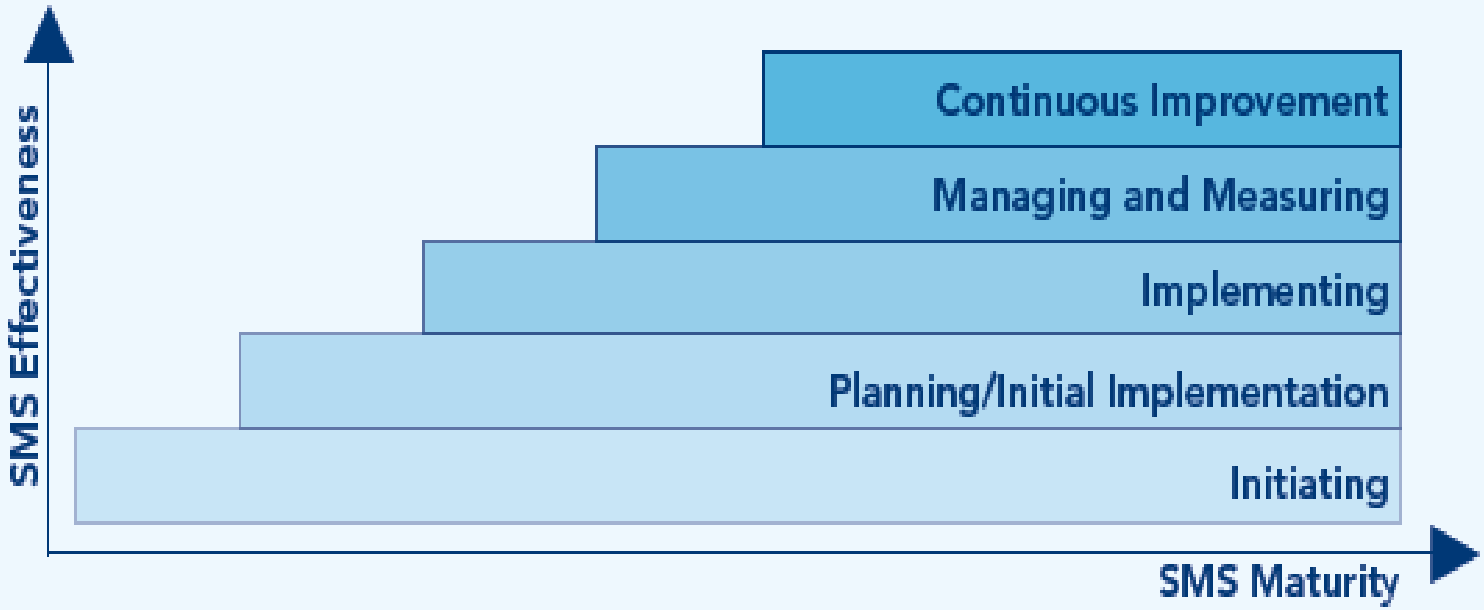
CANSO SMS Maturity Survey Components

- Development of a Positive and Proactive Safety Culture.
- Safety Policy .
- Safety Accountabilities .
- Coordination of Emergency Response Plan .
- Safety Management System Documentation.
- Compliance with International Obligations.
- International Obligations.
- Safety Risk Management .

CANSO SMS Maturity Survey Components "cont"

- Safety Interfaces.
- Fatigue-related Risk Management.
- Safety Reporting, Investigation and Improvement .
- Operational Safety Surveys and SMS Audits.
- Safety Performance Monitoring and Measurement.
- The management of change .
- Continual Improvement of the SMS .
- Training and Education .

SMS Maturity Pathway



Benefits
CANSO SMS Maturity Survey

- Planning Tool;
- Provides a framework through which the safety culture of each organization can be improved;
- Allows for better measurement and communication;
- Promotes safer and more effective processes across the Flight Information Regions.
- As an audit tool, can be used as a management checklist;
- Aims to contribute towards increased cost-effectiveness *by enabling the development of standardized training courses, safety promotion campaigns, and mentoring programmes.*

CARC of Jordan , and CANSO

CARC of Jordan , since joined CANSO in 2010 .Decided to make the best use of the available **best practice** technique, taking into consideration that a given best practice is only applicable to particular condition or circumstance ; and may have to be modified or adapted for similar circumstances

CARC is an active member in CANSO , and made use of the most available products .

Theory is all very well, but there is no substitute for experience

canso

Thank You

Any Question