ACI
ASIA-PACIFIC & MIDDLE EAST

AIRPORTS COUNCIL INTERNATIONAL

Challenges and Experience in Establishment and Continuous Implementation of Aerodrome SMS

ICAO MID 5th Safety Summit
Kuwait
26 - 28 November 2024

PRESENTATION OUTLINE

- Introduction
- Challenges in Establishing and Running Aerodrome SMS
- Indication of Expected Challenges
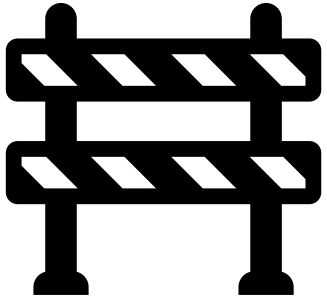- Conclusions

INTRODUCTION

- Management Commitment and Responsibility
- Safety Accountabilities
- Appointment of key safety personnel
- Coordination of emergency Response Planning
- SMS Documentation

- Hazard identification
- Safety Risk Assessment & Mitigation

Safety Policy & Objectives

Safety Risk Management

Safety Promotion

Safety Assurance

- Training and education
- Safety Communication

- Safety performance monitoring and measurement
- The management of change
- Continuous improvement of SMS

According to ICAO definition:
"SMS is a systematic approach to managing safety, including the necessary organizational structures, accountabilities, policies and procedures."

To establish a new mandate with **given vital component comes with its challenges**, hence the challenges in establishing and running Aerodrome SMS and overcoming those challenges are to be detailed in the following sections.
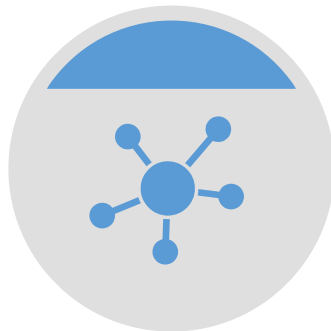
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INDICATION OF EXPECTED CHALLENGES

- Lack of Management Support

- Absence of Just Culture & Voluntary Reporting Process

- Absence of robust safety performance review

- Reluctance in sharing safety data between organizations

- Lack of understanding by non-safety professionals involved in the SMS

- Lack of acceptance/appreciation of safety process and associated consequences by involved personnel

CHALLENGES BASE ON EXPERIENCE

- The primary challenge could be gaining **management consent and confidence** to establish a **new process** involving cost to the company

- **Availability of fully trained, competent and qualified aviation safety** professionals to meet the demands across aviation industry.

- Gaining the **cooperation and support of all relevant stakeholders** (internal and external) could be a challenge given the fact that all agency may have their own priorities and preferences.

- Availability of **resources (budget) to manage** and mitigate dynamic **hazard and risk** identified during **various stages of change management** from time to time.

- **Conflicting priorities** and objectives among the stakeholders.

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MITIGATING CHALLENGES

- Assuring adequate management support
- Through aappointment of competent SMS Manager

Robust safety data collection, review, and analysis process with adequate data protection policy

- Strong and transparent interactive process with stakeholders
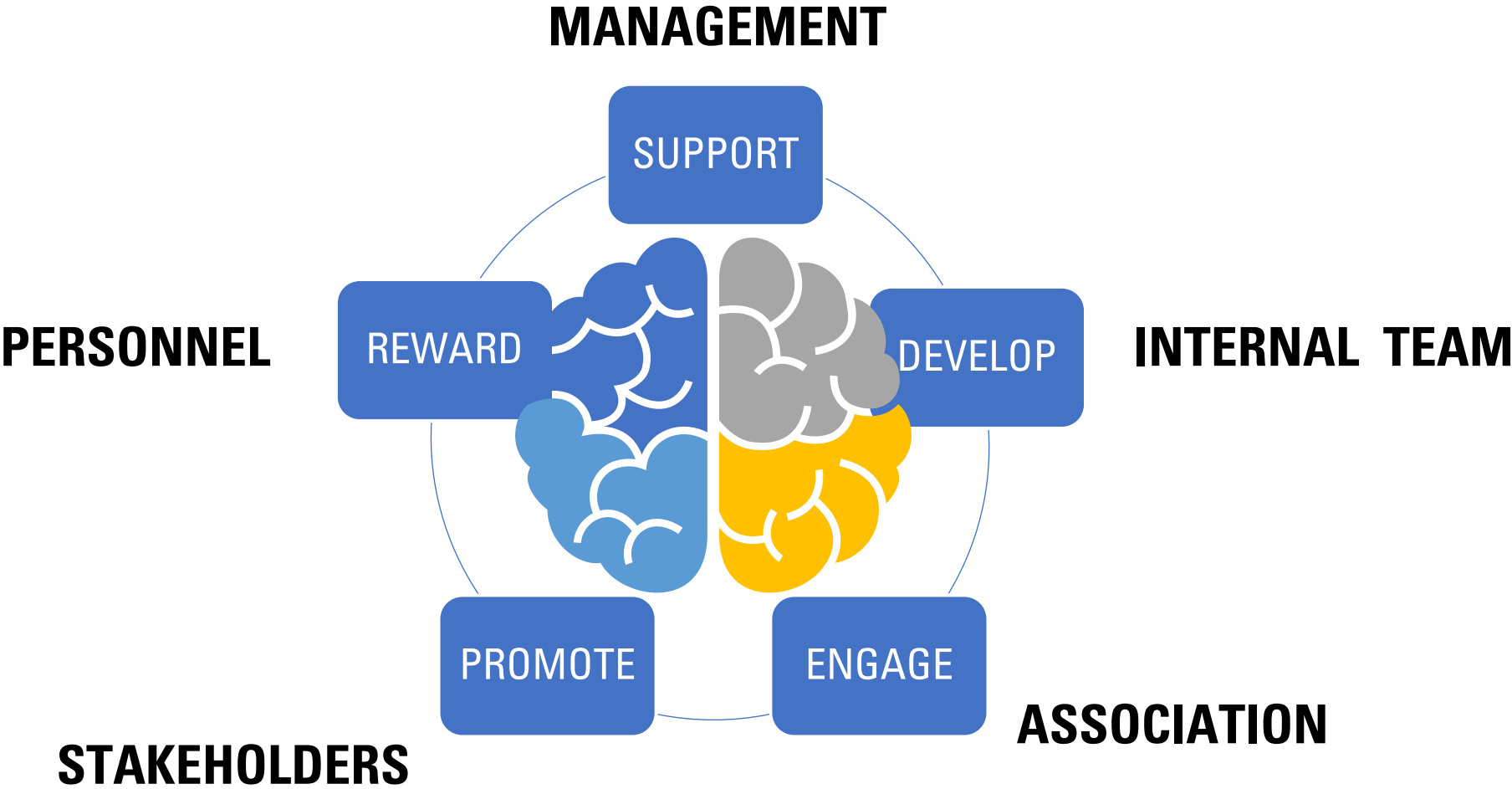- ACI APEX Safety review or ICAO activities

Safety promotion encompassing the entire airport community

Attractive reward and recognition program encompassing the entire airport community

CONCLUSION

MANAGEMENT

SUPPORT

PERSONNEL

REWARD

DEVELOP

INTERNAL TEAM

PROMOTE

ENGAGE

STAKEHOLDERS

ASSOCIATION

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ACI SUPPORTS

- [ACI guidelines](#) on topics related to SMS
- List of Guidelines:
  - Safety Management System
  - Reference on Safety Change Management Checklist
  - Accident Investigation and Root Cause Analysis
  - Safety Promotional Materials

- [APEX (Airport Excellence) in Safety](#)
- **Review** program on SMS implementation by global experts.

THANK YOU

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