



MALDIVES CIVIL AVIATION AUTHORITY



An overview of **Aerodrome's SMS** **in the Maldives**

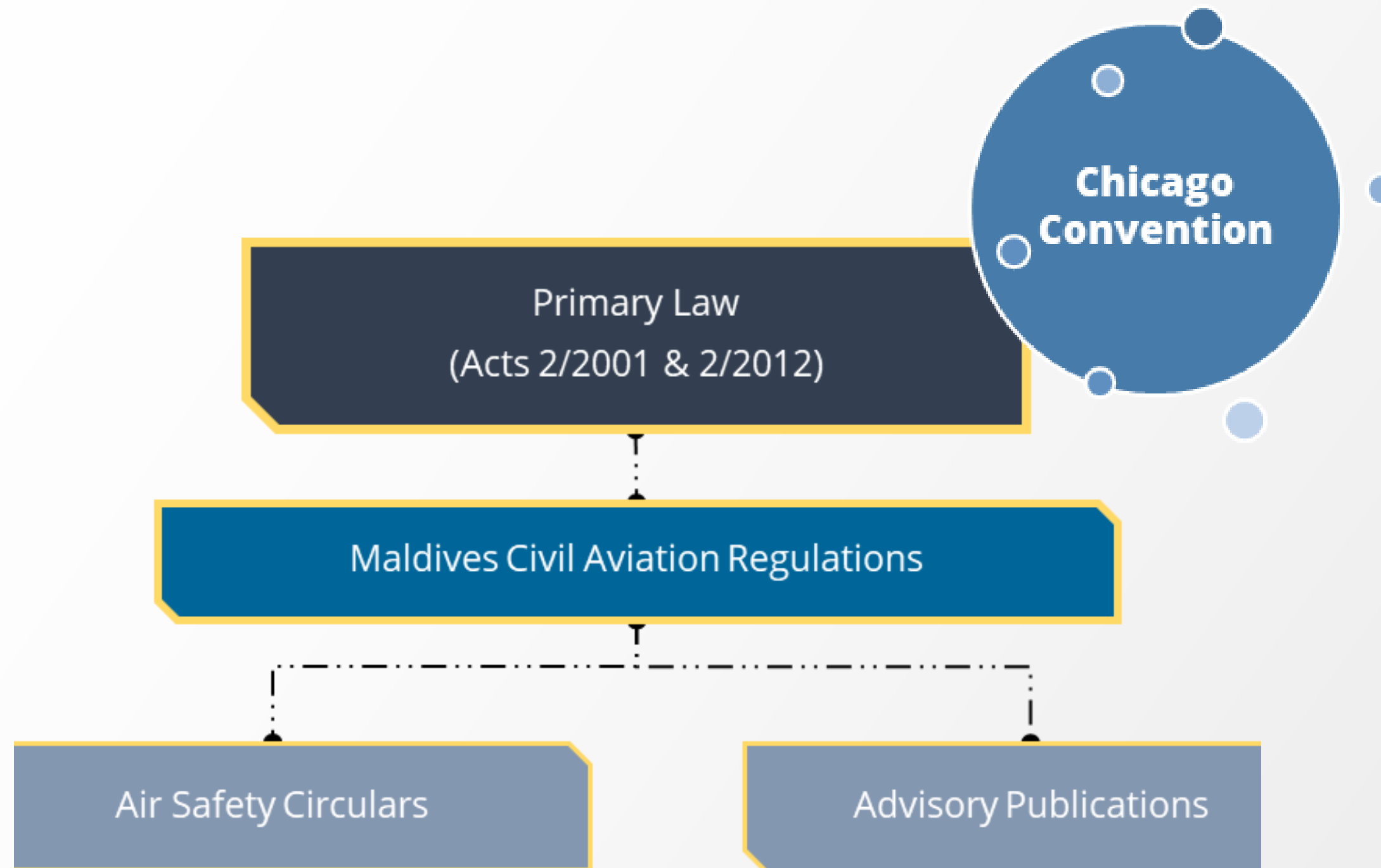
Prepared By
CAA & TMA

April, 2024

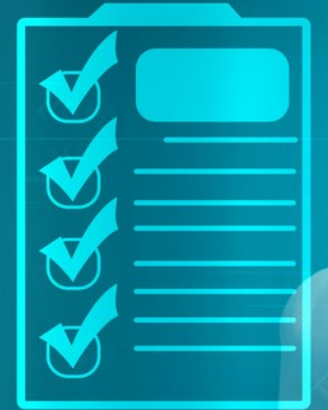


CAA SMS Oversight

LEGISLATIVE FRAMEWORK



STANDARDS



REQUIREMENTS

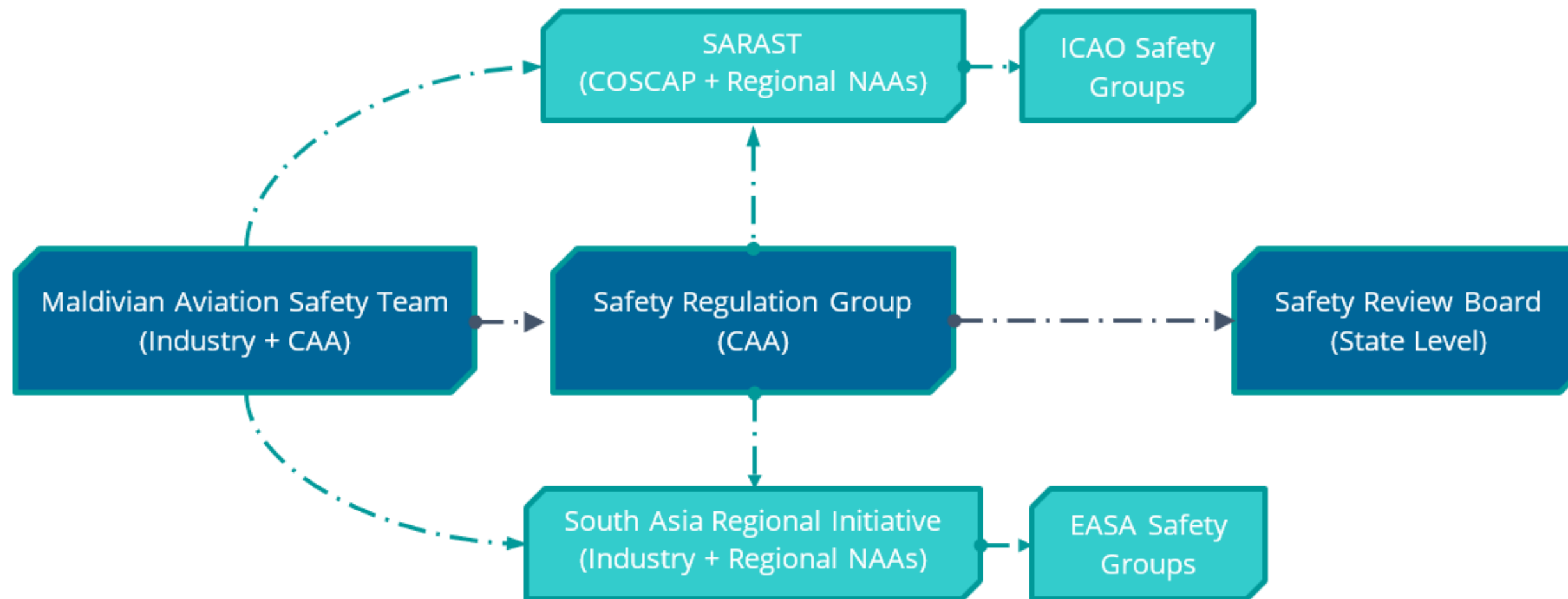


REGULATIONS

TRANSPARENCY

CAA SMS Oversight

COORDINATION - SAFETY GROUPS



CAA SMS Oversight

MINISTER's FLIGHT PLAN



Timeline of SMS regulation



2008

AIR SAFETY CIRCULAR (ASC 00-2)



In 2008, the Civil Aviation Department (CAD) of the Maldives issued ASC 00-2 Safety Management System. The circular mandated all service providers to establish and manage an SMS that is accepted to CAD.



2020

STATE SAFETY PROGRAM (SSP)



In 2020, CAA issued its first version of State Safety Program (SSP), which describes the national framework of Safety Management System, and how the CAA intends to enhance aviation safety in the Maldives.



2020

FLIGHT PLAN 2020 - 2025

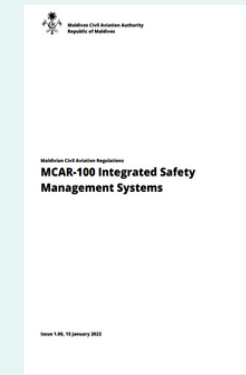


This 'Flight Plan' provides a comprehensive and balanced framework, bringing together all aspects of aviation policy into a single, coherent and forward looking statement.

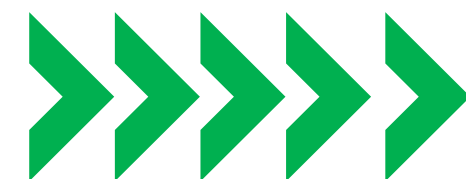


2022

MALDIVES CIVIL AVIATION REGULATION (MCAR-100)



ASC 00-2 was repealed by the new Maldives Civil Aviation Regulation MCAR-100 Integrated Safety Management System. The regulation mandated operators to implement and maintain a system for safety management.



Challenges in SMS implementation

1

Cultural Change

2

Resource Allocation

3

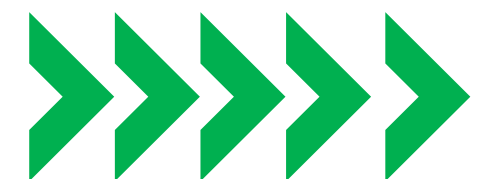
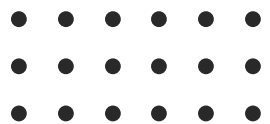
Training and Awareness

4

Regulatory Compliance

5

Data Collection and Analysis



Challenges in SMS implementation

6

Communication and Reporting

7

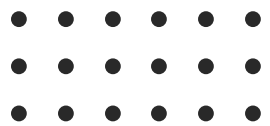
Change Management

8

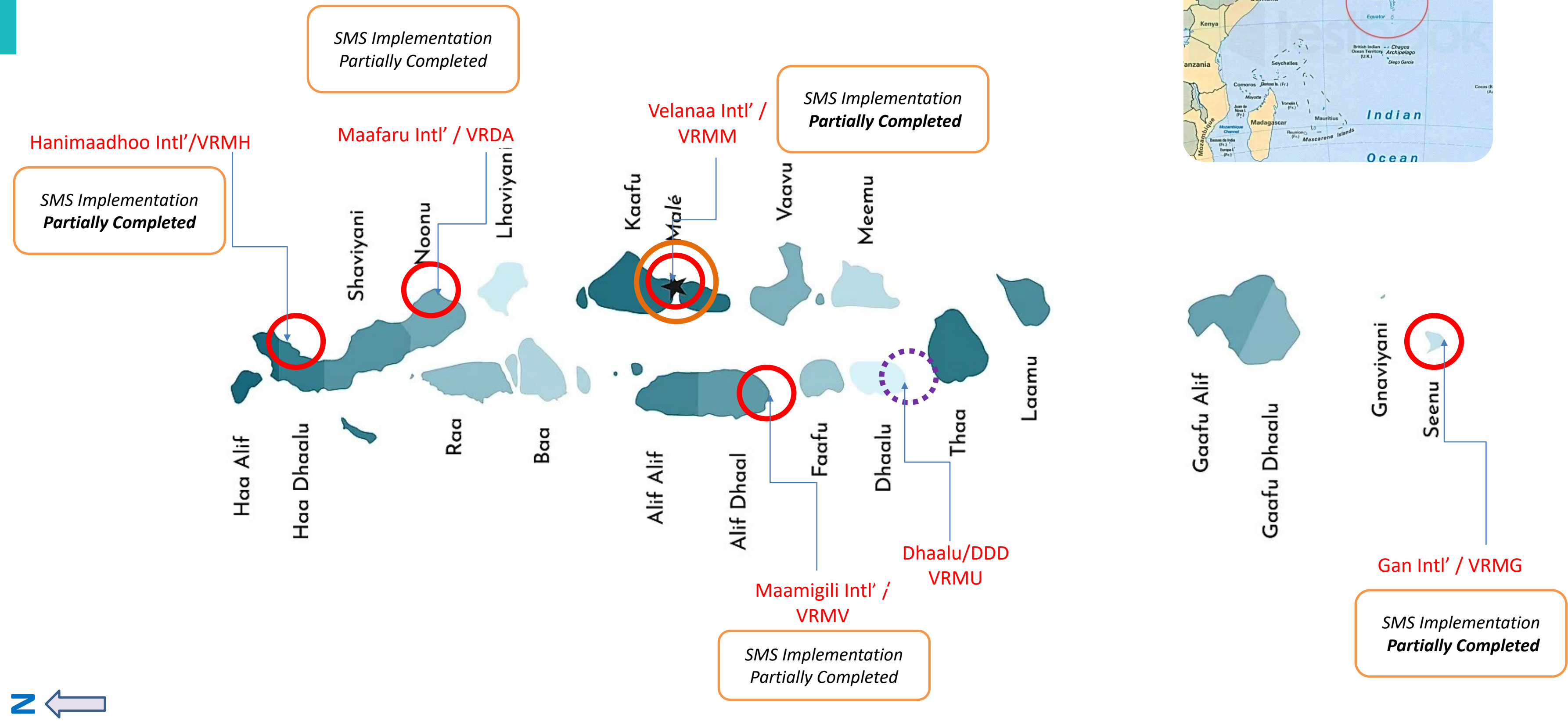
Continuous Improvement

9

Complexity of Operations

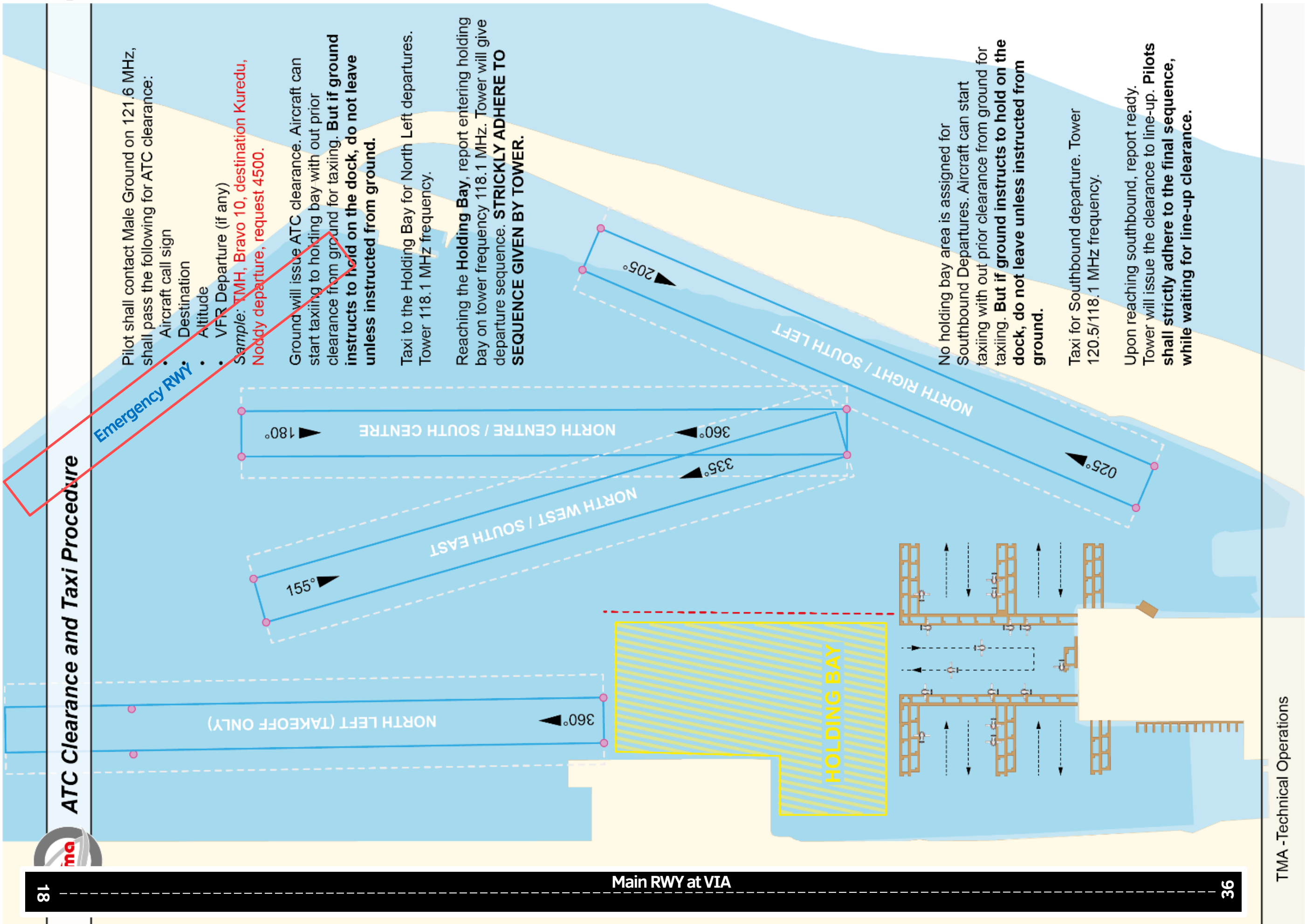


Current Status of SMS Implementation – Intl' Airports

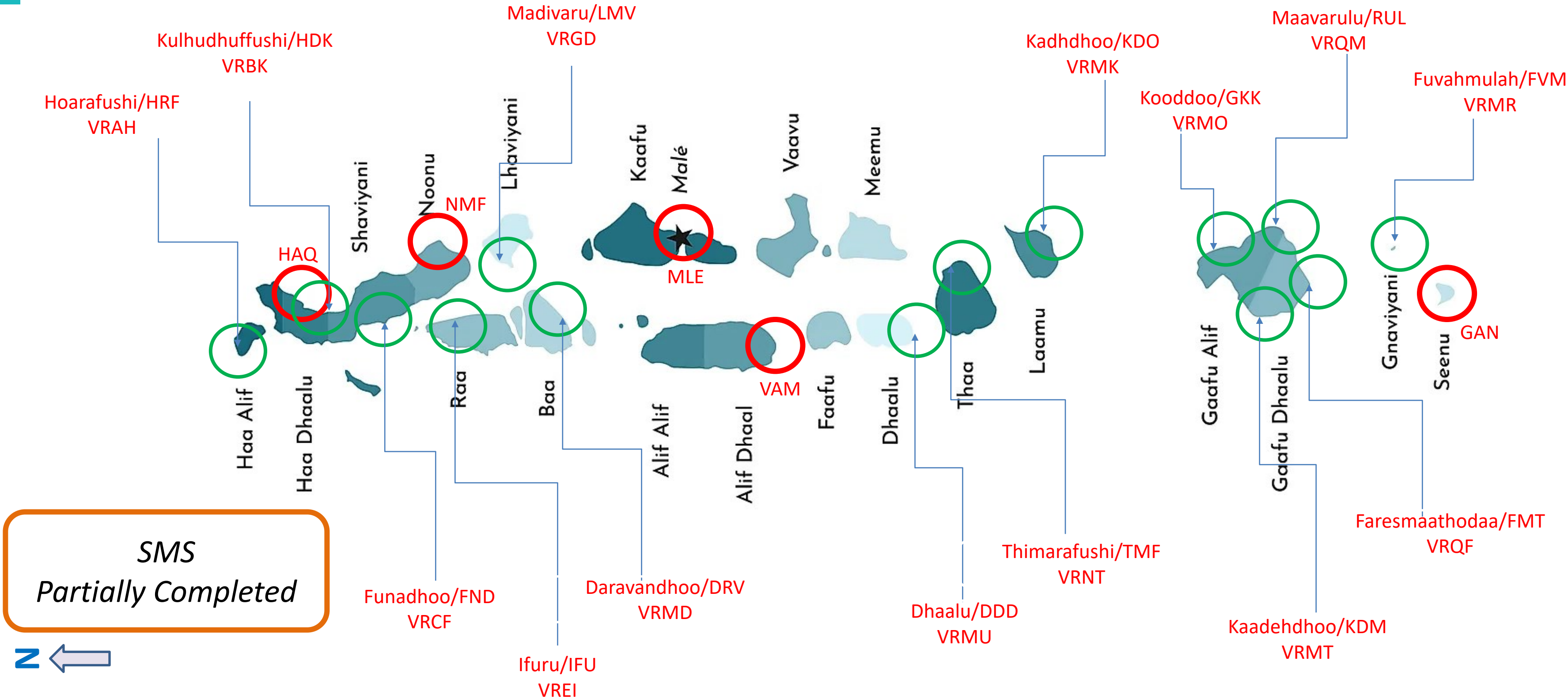


Challenges in SMS implementation

VIA – the Main gateway and its inherent challenges!!



Current Status of SMS Implementation – Domestic Airports



Challenges of SMS Implementation – Domestic Airports

PLAN-DO-CHECK-ACT (PDCA) CYCLE

STEP ONE PLAN

- Set a goal and make plans

STEP FOUR ACT

- Improve the process



STEP TWO DO

- Implement a solution

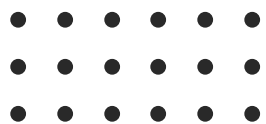
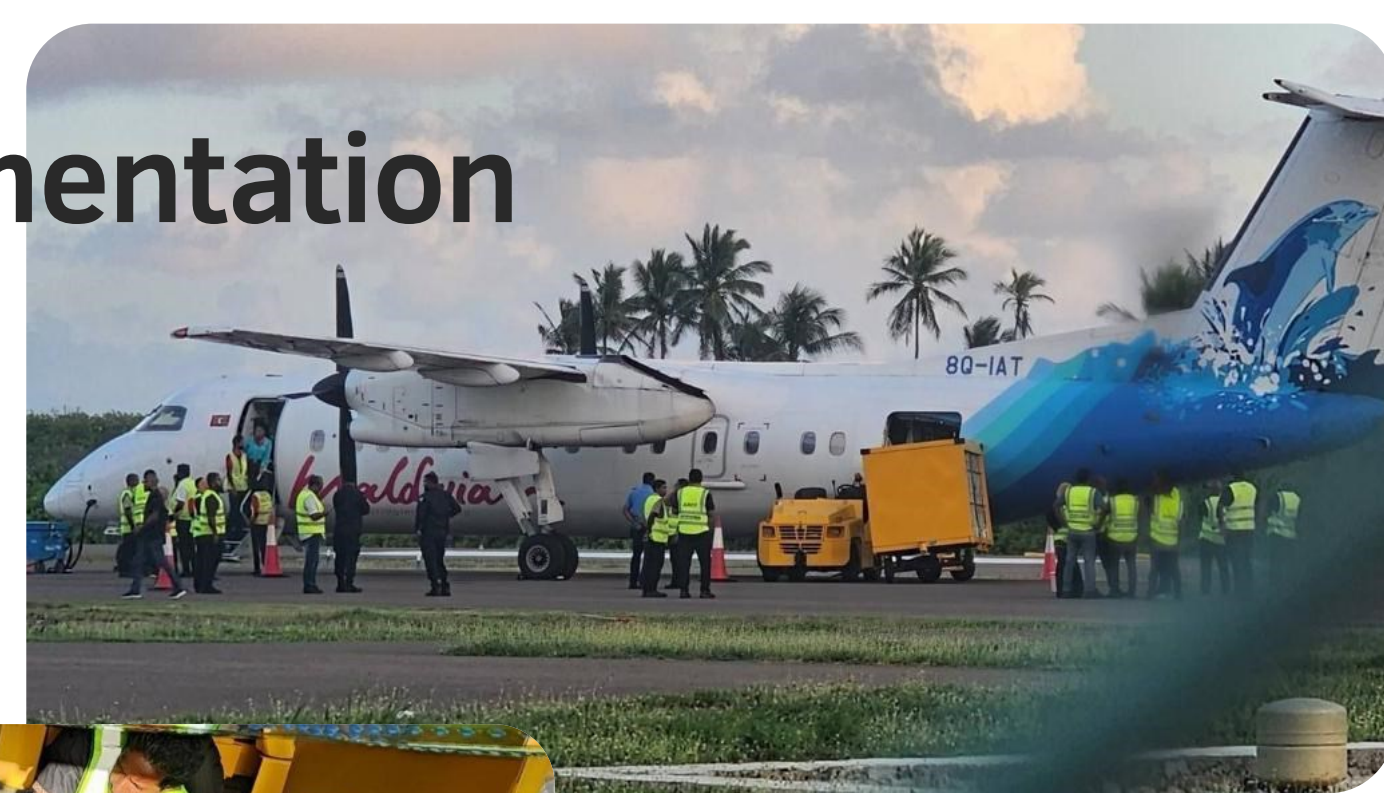
STEP THREE CHECK

- Evaluate the results



Opportunities & Benefits of SMS Implementation

- 1 Prevention of Accidents or Incidents
- 2 Proactive Safety
- 3 Cost Savings
- 4 Compliance with Regulations
- 5 Reputation and Stakeholder Trust



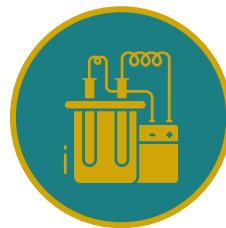
CAA Initiatives to monitor Aerodrome Operator's SMS



01

Regular SMS Audits

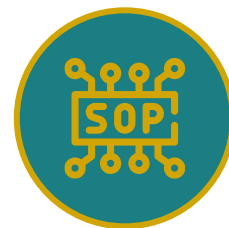
CAA has included Aerodrome's SMS audits in its year plan, starting with five International Airports in 2024. The Audits will be conducted using the EASA Management System Assessment Tool (MSAT).



02

SMS Audit methodology and rating scheme

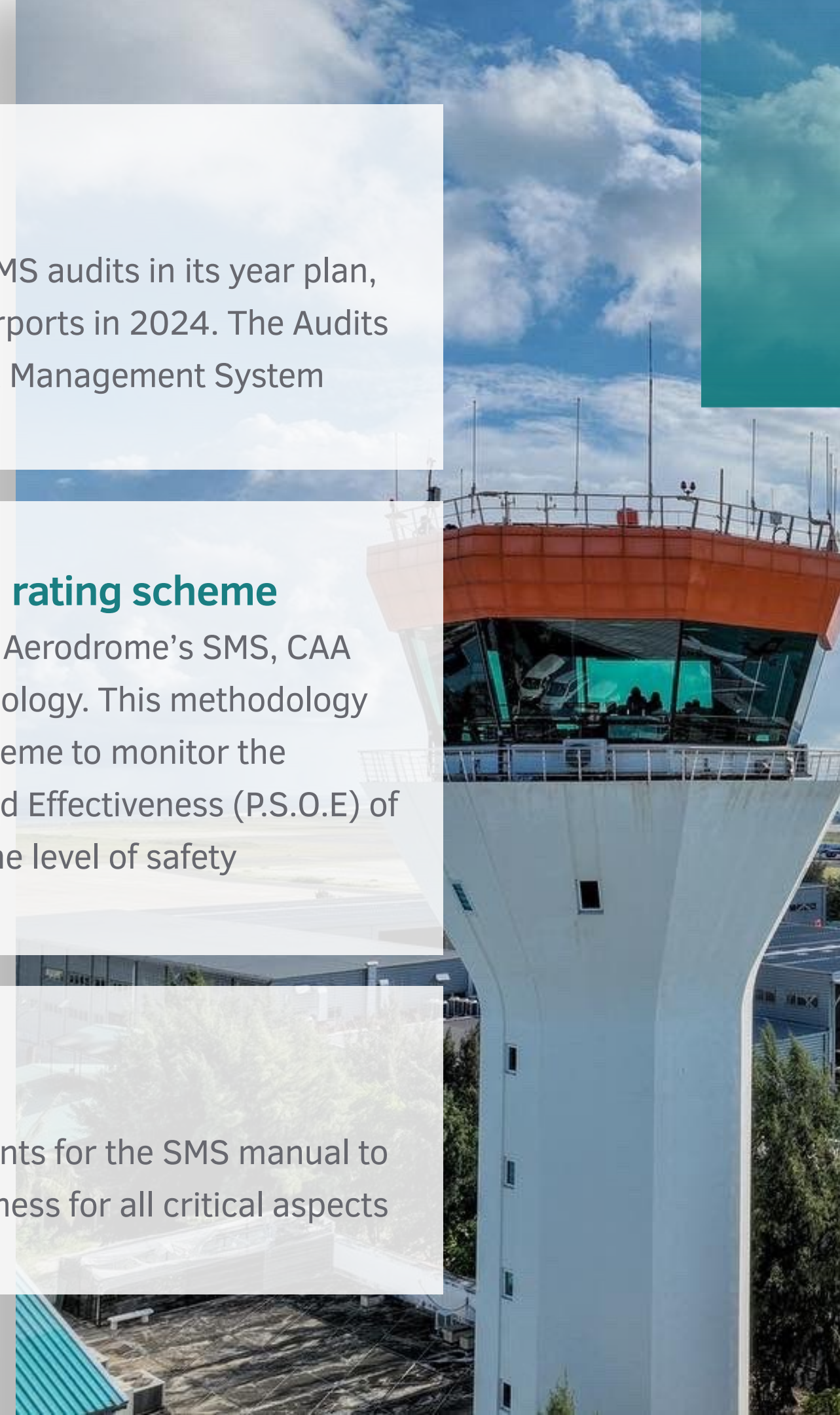
To monitor the compliance of the Aerodrome's SMS, CAA will develop a conceptual methodology. This methodology will utilize a three-level rating scheme to monitor the Present, Suitability, Operating, and Effectiveness (P.S.O.E) of each element and demonstrate the level of safety compliance.



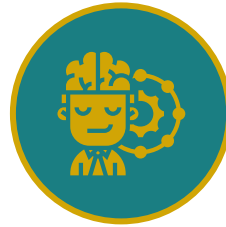
03

Standardization of SOPs

Review SOPs and related documents for the SMS manual to ensure consistency and cohesiveness for all critical aspects of SMS implementation.



CAA's Initiatives to monitor Aerodrome Operator's SMS



04

Training and capacity building

CAA aims to conduct workshops and training programs for Aerodrome Operators on SMS principles, implementation strategies, and risk management techniques.



05

Guidance to monitor Safety Performance Indicators (SPIs) and Targets (SPTs)

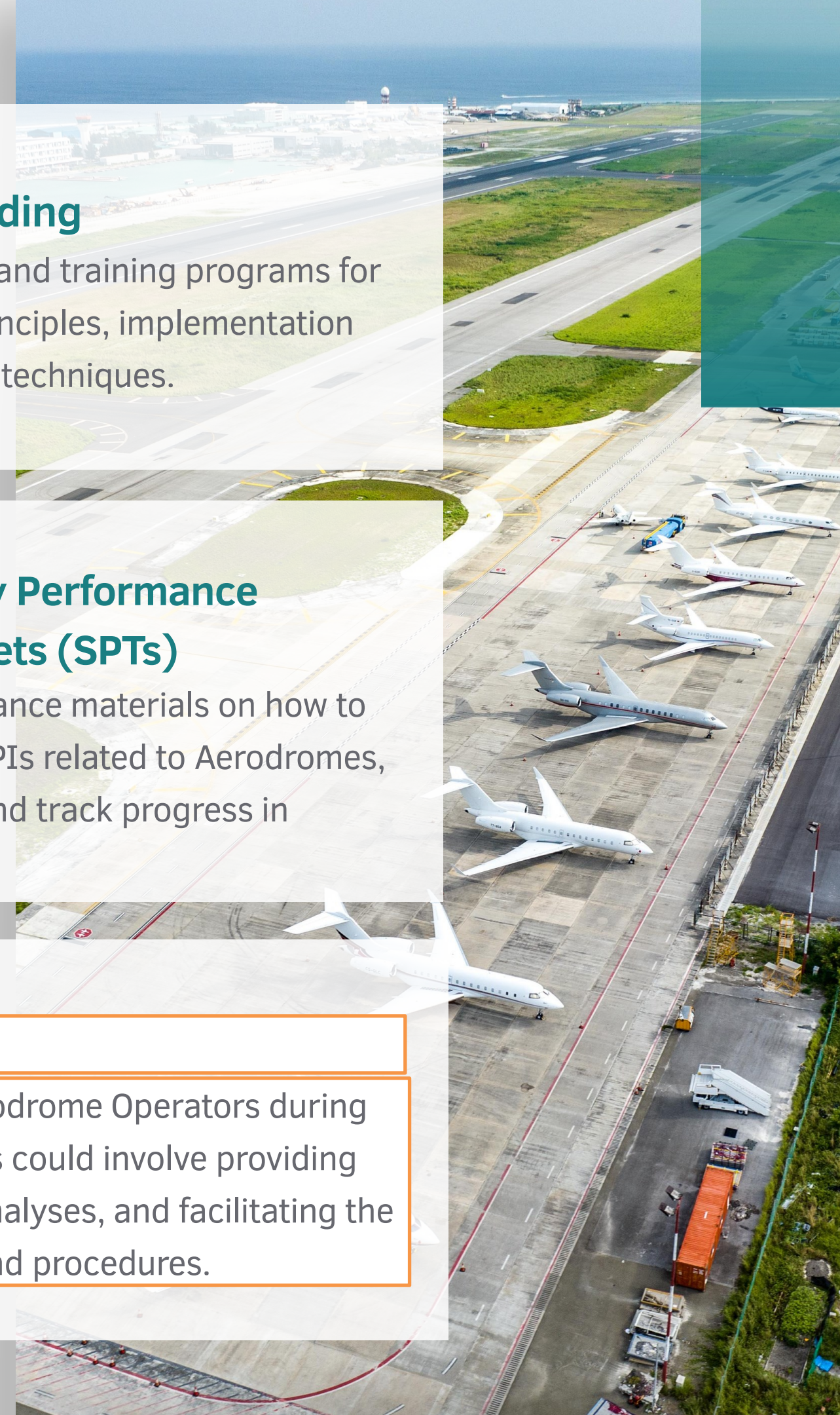
CAA has started developing guidance materials on how to set up a system for monitoring SPIs related to Aerodromes, identify potential safety issues, and track progress in achieving safety goals.



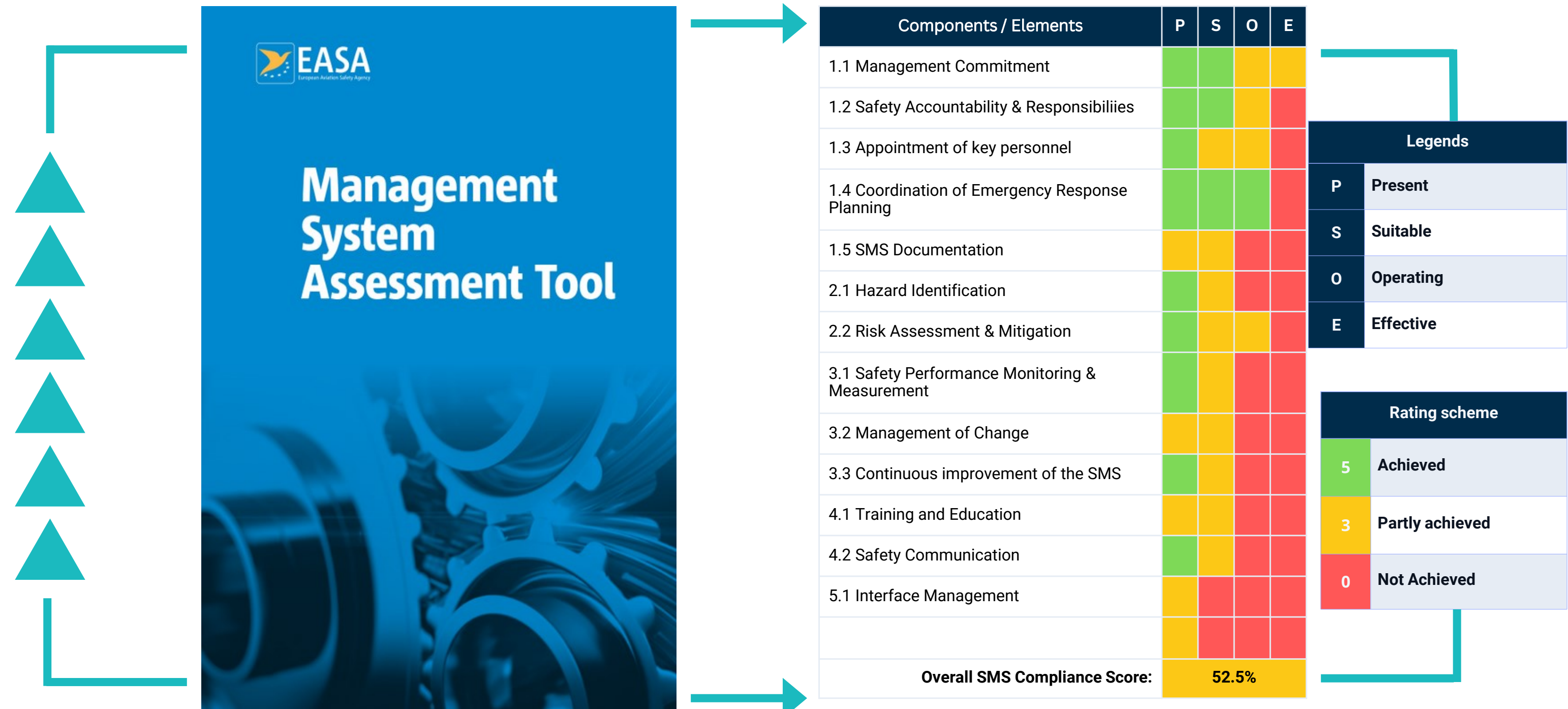
06

Technical support

Offer technical assistance to Aerodrome Operators during the implementation process. This could involve providing expert advice, conducting gap analyses, and facilitating the development of safety policies and procedures.



CAA's SMS Audit methodology and rating scheme



SMS Audits will be conducted using EASA MSAT.

Sample SMS audit compliance chart of an Aerodrome's SMS implementation status.

Q's & THANK YOU,

ANS & AD



+960 302 7200



ans@caa.gov.mv



www.caa.gov.mv



2nd Floor, Velaanaage,
Ameer Ahmed Magu,

