



MENA ARCM/9 - SRPWG

COMMITTEE MEETING - VIRTUAL

MENA ARCM/9 - SRPWG

MENA ARCM SRP Working Group



Agenda

- Introduction
- Timeline of SRPWG Activities
- MENA ARCM and ENCASIA Collaboration
- Terms of Reference(ToR)
- Governance and Data Sharing Policy
- System Requirements Identification
- Analytical Reporting
- Platform Key Functions
- Project Plan & Way forward



MENA ARCM (SRP)

Introduction

Introduction to the (SRP)

The Safety Recommendations Platform (SRP) serves as a collaborative regional framework for MENA ARCM Member States, enabling the sharing, harmonization, and tracking of safety recommendations and lessons learned to strengthen aviation safety performance across the MENA region.

PURPOSE OF (SRP)

- ❖ Enhance the effectiveness of safety recommendation management through the monitoring, tracking, and sharing of implementation outcomes.
- ❖ Support a collaborative regional approach to aviation safety investigation and the prevention of future occurrences.
- ❖ Promote transparency, knowledge sharing, and mutual learning while respecting the sovereignty and responsibilities of each Member State.

(SRP) Expected Benefits

- ❖ Improves the identification of common safety concerns and systemic issues across the MENA region.
- ❖ Reduces the recurrence of similar accidents and incidents through shared knowledge and preventive safety actions.
- ❖ Enhances regional cooperation and collaboration among accident investigation authorities and safety stakeholders.

(SRP) Expected Benefits

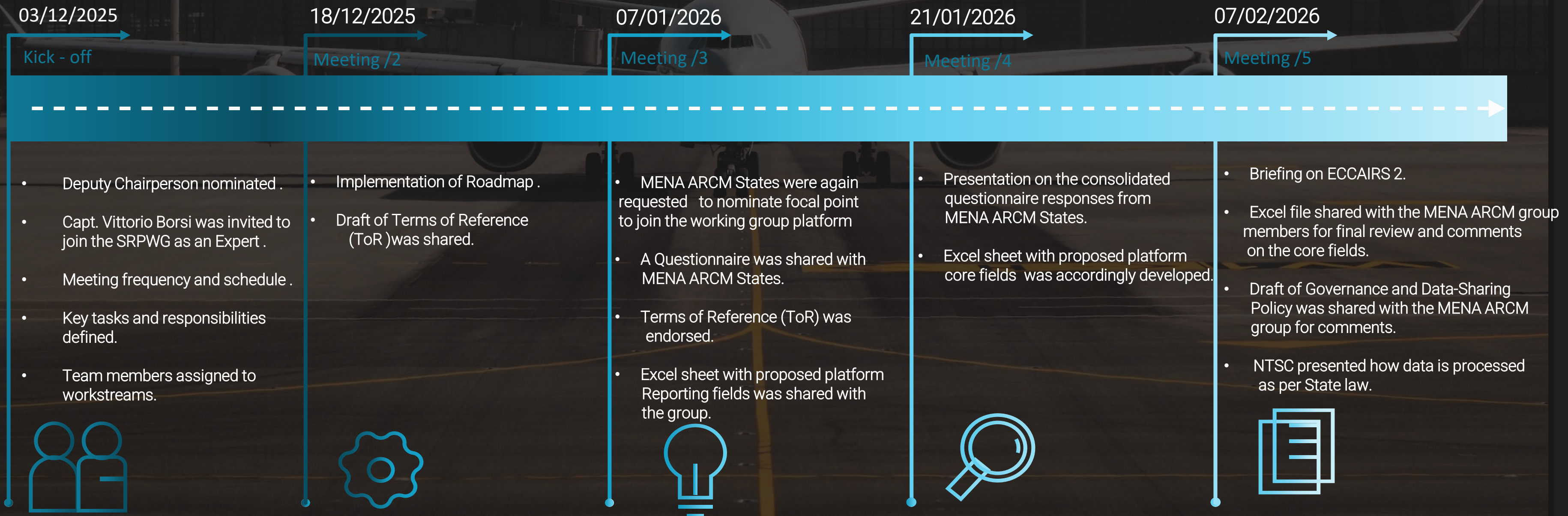
- ❖ Enables the identification of regional safety trends and emerging risks.
- ❖ Strengthens regional safety culture and mutual trust among Member States.



MENA ARCM (SRPWG)

Timeline of SRPWG Activities

SRPWG Timeline



SRPWG Timeline

16/02/2026

Meeting /6

02/03/2026

Meeting /7

02/04/2026

Meeting /8

- The platform core fields were finalized based on the responses from States.
- Governance & Data Sharing Policy draft was in compliance with KSA National Data Protection and Privacy Regulation.



- The agreed KSA Data Sharing Policy Excel template was shared with all MENA ARCM States to provide feedback.
- As per KSA Policy participating MENA ARCM States were required to sign NDA in order to gain access to the Safety Recommendation Platform.



- KSA confirmed that the NDA is no longer required.
- Comprehensive dashboard of the agreed core fields was presented

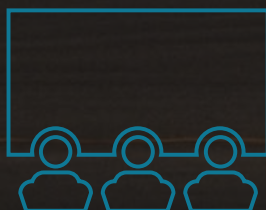


SRPWG Timeline

23/04/2026

Meeting /9

- Governance & Data Sharing Policy finalized and endorsed.
- NTSC presented Business Requirement Specification .

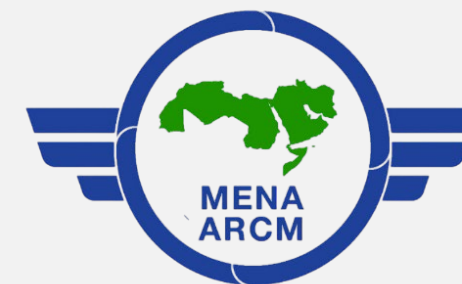


17/06/2026

Meeting /10 & 11

- SRPWG started preparing for MENA ARCM/9 PPT.
- The presentation structure, assigned topics, and responsibilities were reviewed with all working group members
- Members agreed on the PPT content .





ENCASIA – MENA ARCM collaboration in SRPWG

Vittorio Borsi
Former Chairman of ENCASIA WG6
Air Safety Investigator and Head of Prevention Office ANSV
(Italy)

MENA ARCM/9 - SRPWG



SRIS2 PROJECT CHALLENGES





Challenges

- ❖ **Collective tool with different goals in SIAs' internal processes.**
Smaller SIAs might use the SRP at its basic capabilities, limiting the entries due to personnel shortfalls. Bigger SIAs might decide to insert it in their internal processes.
- ❖ **Required harmonization of SIAs' procedures.**
Guidelines and best practices should be made available and regularly updated, training material and hands-on training should be delivered (seminars in-presence and on-line) to achieve a standardized use of the SRP.
- ❖ **Required recurrent data quality checks with feedback to SIAs.**
Regular SRPWG meetings should be planned for data analysis and SRGC evaluation.
- ❖ **Customer support.**
It is crucial to have an appropriate support for system bugs and platform shortfalls.



SRIS2 - SRP COMMONALITIES





ECCAIRS 2

EUROPEAN CO-ORDINATION CENTRE FOR ACCIDENT
AND INCIDENT REPORTING SYSTEMS



The mission of ECCAIRS is to support digitally the occurrence reporting process (EU reg 376/2014) of collecting, sharing and allowing analysis of Safety Data.



Collect

Continuously collect safety information from occurrences to identify, assess and address hazards



Share

Integrate Member State safety information in the European Central Repository, in particular the European Central Repository for Occurrences.



Analyse

Continuous monitor Safety Risk Portfolios, develop studies and provide reports about the safety of European and world-wide aviation.



Improve

Define Safety Actions, feed the European Plan for Aviation Safety and the national State Safety Plans. Monitoring safety performance.

+260

Safety Recommendation/year

2.3 M

Occurrence Reports

65

Authorities



THE SRIS2

ECCAIRS2 - SRIS2



Suggested glide path



SRP Operational requirements and technical specifications:

- ❖ Interoperability between SRP and SRIS2.
- ❖ Incorporate AI in platform for easy and harmonized stats and dashboards.
- ❖ Develop multi-modal platform with taxonomy limited to the aeronautical (ICAO) environnement.
- ❖ Allow authority to customize which fields/attributes will be shared in the central repository of SRP.
- ❖ Clearly identify Safety Recommendations of Global Concern (SRGC).



COMMON DASHBOARDS





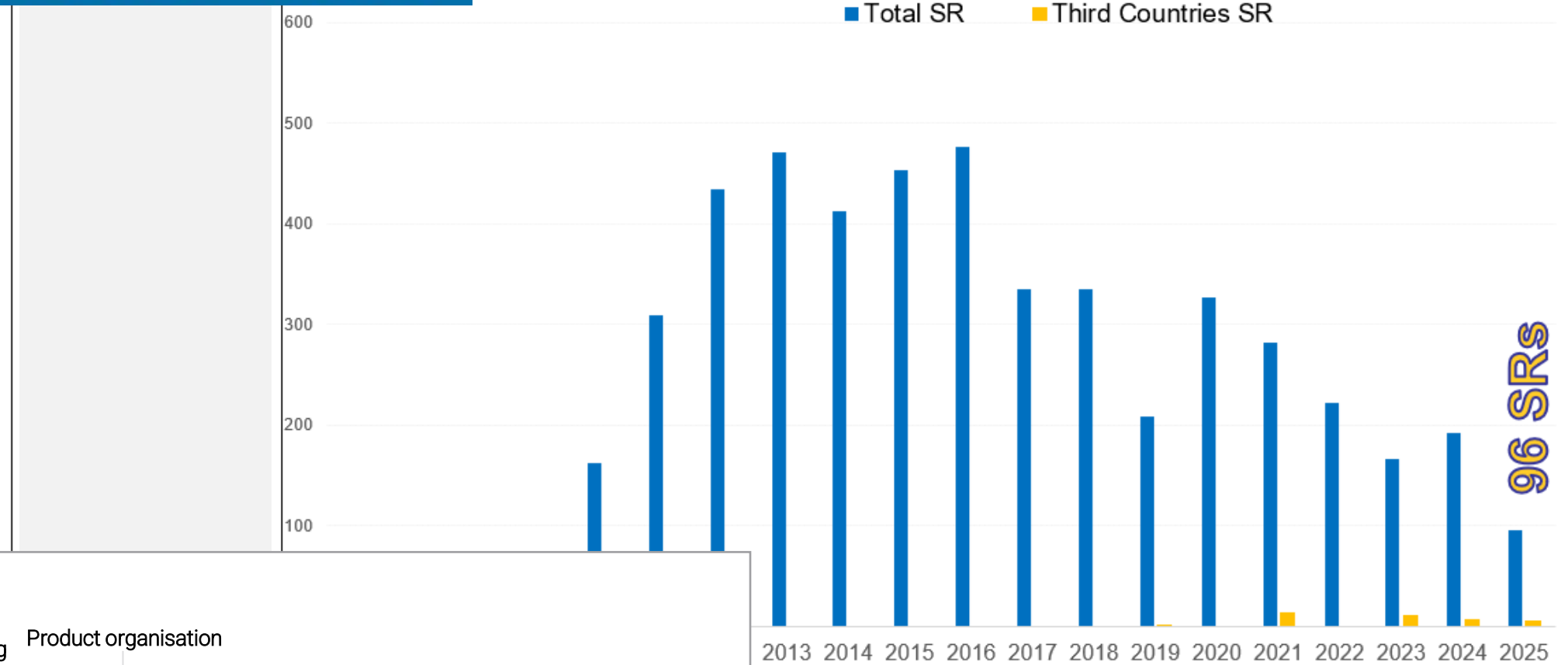
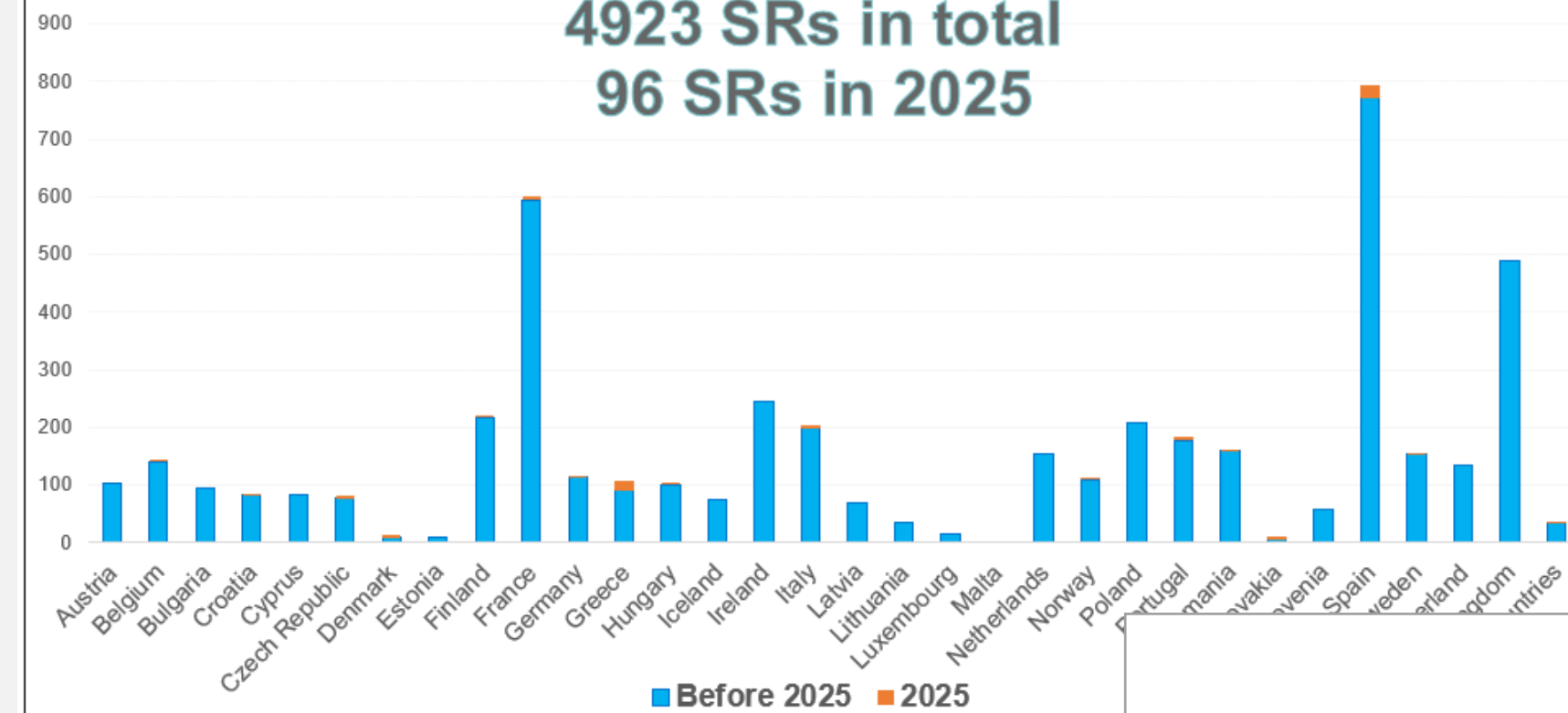
TOTAL SAFETY RECOMMENDATIONS



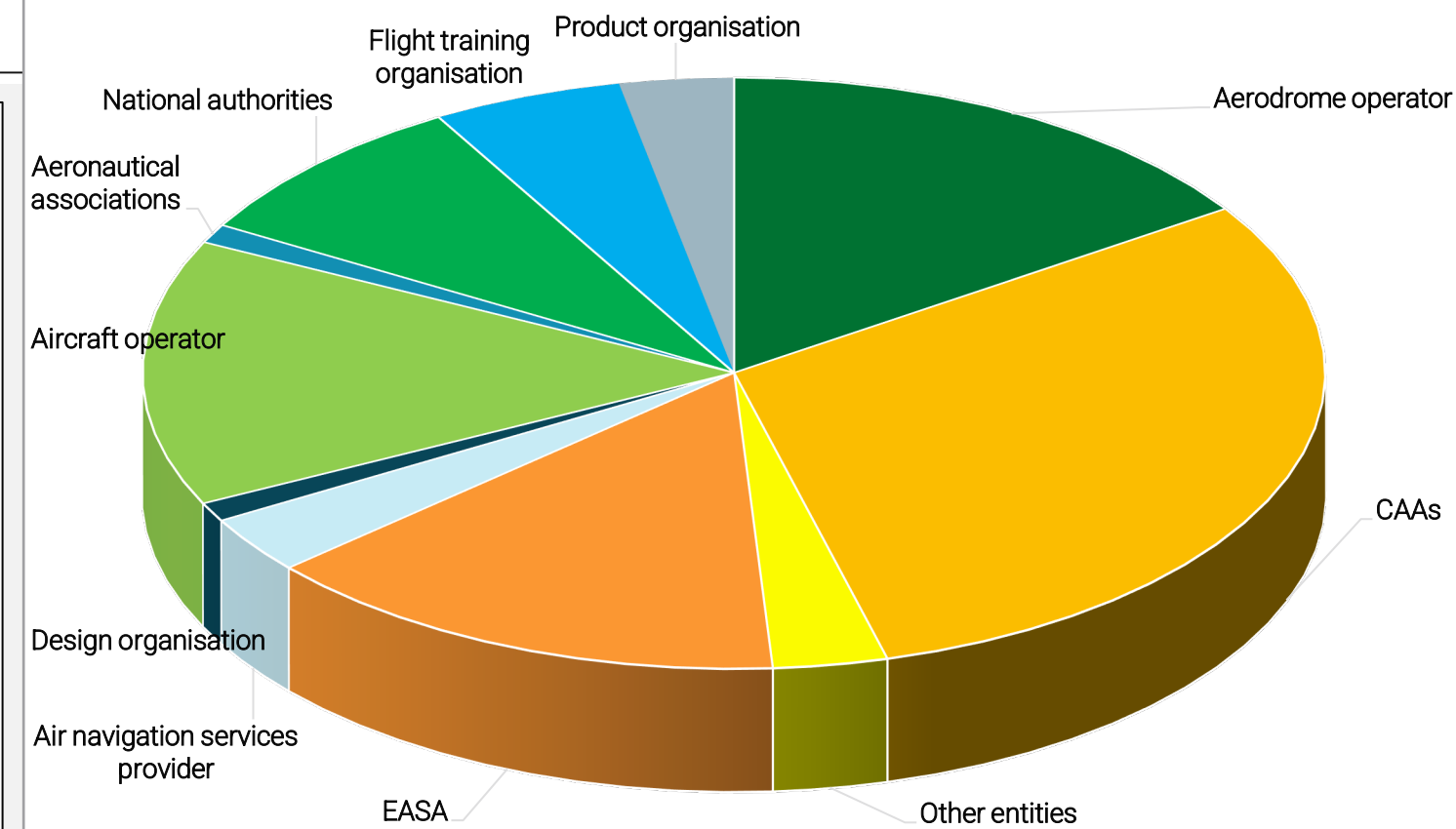
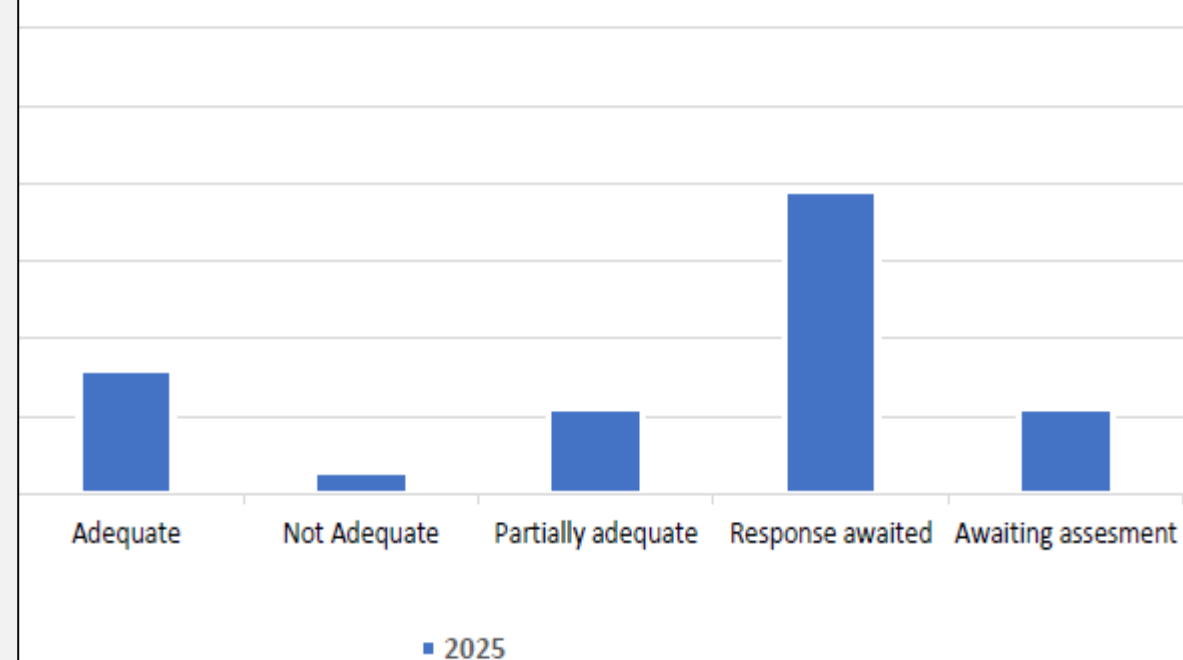
ECCAIRS2 - SRIS2

Safety Recommendations - Country

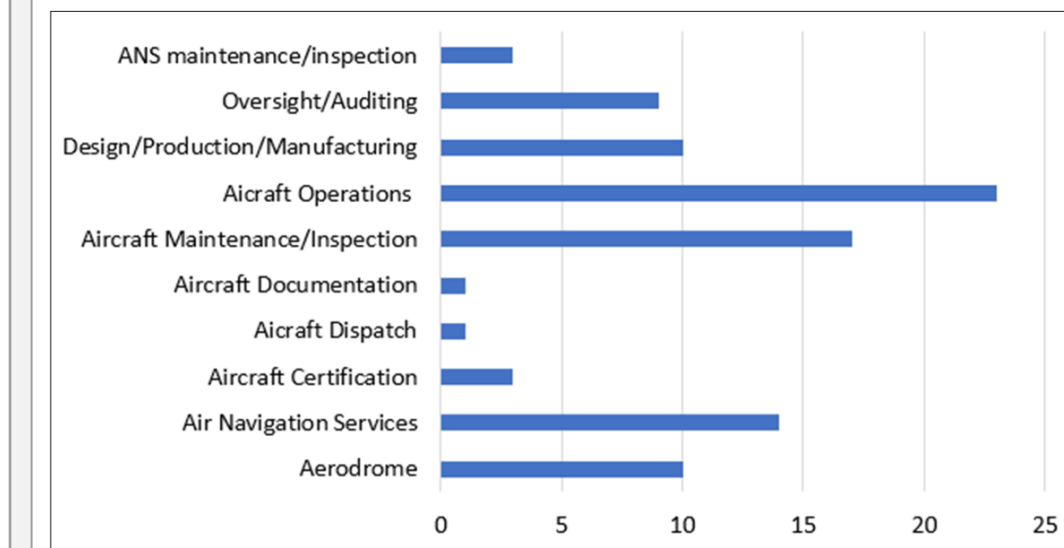
4923 SRs in total
96 SRs in 2025



Response Assessment 2025



SR Topics
Procedures and regulations





Suggested way ahead



- ❖ Follow development and implementation of software.
- ❖ Define and execute operational system tests.
- ❖ Create and deliver training programs and manuals on new platform (workshop, webinars, etc).
- ❖ Follow up on implementation and changes/bug management.
- ❖ Perform systematic data quality monitoring of database.
- ❖ Draft guidelines for proper harmonization of SRs processes.



MENA ARCM (SRP)

Terms of Reference(TOR)

Importance of Developing the Terms of Reference (TOR)

Purpose of the Terms of Reference

The Terms of Reference (TOR) were developed to provide clear guidance to participating Member States on:

- ❖ How to populate information into the SRP.
- ❖ The type of information to be shared.
- ❖ Responsibilities and roles of participating States.
- ❖ Governance and management of SRP data.
- ❖ Identification of common safety concerns emanating from safety recommendations.
- ❖ Reduction of repeated occurrences through shared knowledge emerging from safety recommendations.
- ❖ Strengthened regional safety culture and cooperation.

Importance of Developing (TOR)

Ensuring Consistency and Trust

The TOR establishes:

- ❖ Standardized procedures for information submission.
- ❖ Clear rules for data handling and confidentiality.
- ❖ Mutual understanding among all participating Member States.

Confidentiality and Protection of Member States' Interests.

The SRP recognizes the importance of protecting sensitive safety information provided by Member States.

Information Protection Measures

The TOR clearly defines:

- ❖ Access limitations and information-sharing protocols.

Summary

Respect for Sovereignty

The SRP is not intended to:

- ❖ Negatively impact the sovereignty of any Member State.
- ❖ Attribute blame or create reputational harm.
- ❖ Publicly disclose confidential safety information.

Core Objective

The primary objective of the SRP is:

- ❖ Safety information sharing.
- ❖ Regional collaboration.
- ❖ Continuous improvement of aviation safety.



MENA ARCM (SRPW)

Governance & Data Sharing Policy

Policy Objectives



01

Standardize governance and workflows across the MENA region.



02

Ensure traceability, consistency, and quality of safety recommendation data.



03

Support monitoring and implementation follow-up.



04

Enable regional safety analysis and trend identification.



05

Respect the autonomy and responsibilities of individual AIAs.

Key Roles and Responsibilities



SRPWG oversees platform implementation and continuous improvement.



Member States ensure timely, accurate, and complete data submission.



The platform supports lifecycle management from issuance to closure.



AI integration may support analytics, trend analysis, and dashboards.



Coordination with ICAO systems (E2 and SRIS2) is enabled.

Core Governance Pillars

Strategic Importance of Governance Elements



Maintaining Data
Quality



Maintaining high
level of
transparency



Enabling
shared
regional
analysis
capabilities



Enabling a dynamic
environment for
information workflow
by balancing
confidentiality and
transparency

Data Sharing and Access Rights

- ❖ Role-based access ensures controlled and secure use of SRP data.
- ❖ Regional groups receive read-only analytical access.
- ❖ Data is used exclusively for safety improvement and monitoring.
- ❖ The policy explicitly prohibits use for blame or enforcement purposes.
- ❖ Mandatory and optional fields balance regional analysis with State autonomy.

Expected Regional Benefits

Impact of SRP on regional Aviation Safety

- ❖ Risk and Hazard Reduction
- ❖ Data consistency
- ❖ Enhanced regional cooperation
- ❖ Increasing possibilities for trend analysis
- ❖ Providing insights for safety oversight

Key Takeaways

- ❖ The SRP establishes a robust regional governance mechanism for aviation safety recommendations.
- ❖ It promotes harmonized safety practices and stronger cooperation across MENA ARCM Member States.
- ❖ The framework balances transparency, collaboration, and data protection.
- ❖ The platform enables evidence-based safety analysis and strategic decision-making.



MENA ARCM (SRP)

System Requirements Identification

WHY THIS STEP MATTERS

Getting the requirements first

Requirements define what the platform captures. Agreeing them up front — across all States — is what determines data quality, comparability and adoption later.

WHY IT MATTERS



Requirements drive everything downstream

Fields chosen here fix what can later be recorded, compared and reported.



Cross-State agreement prevents fragmentation

A structure every State endorses avoids each running its own format.



Alignment locks in credibility

Anchoring to ICAO Annex 13 concepts keeps the platform defensible and interoperable, not a regional one-off.



What we achieve



A member-endorsed data structure — agreed by all States.



Consistent, comparable records — controlled fields and auto-numbering.



End-to-end traceability — every SR tracked from issuance to closure



A shared regional view — one register covering Annex 13 and non-Annex 13 / safety studies

HOW AGREEMENT WAS REACHED

A five-step, survey-driven approach

Requirements were built up from member-State input.



Gathering and converging input

1



Survey

A structured survey was distributed to all member States to capture initial requirements. The aim was: to let every State state what it needs to record before any field set is fixed.

2



Group meeting

A meeting was held with members to agree on the preliminary set of system data fields. Survey input was discussed and converged into a first working structure.

3



Second survey

An updated survey was developed and circulated to all MENA ARCM members, incorporating the outcomes and decisions from the group meeting.

Finalising and endorsing

4



Finalising the core fields

A sub-group was established to conduct a technical review of all inputs. It finalised the core data fields, ensuring consistency and alignment with international best practice.

5



Presentation

The finalised structure and content were presented to all member States. Feedback was incorporated and formal agreement obtained to proceed.



Outcome: an agreed, endorsed data structure – the foundation for the platform content covered next.

BUILT INTO THE PLATFORM

Key system features



Auto-generated SR Regional Number

Each recommendation receives a unique regional identifier automatically — no manual numbering, no duplicates.



Controlled dropdown lists

Standardised picklists for key fields enforce consistency and make records comparable across States.



SRGC capture

A flag for Safety Recommendations of Global Concern — systemic issues with global, recurring significance.



Built-in response tracking & assessment

Addressee responses and their assessment are recorded against each SR, keeping follow-up visible.

Why it matters

Each feature exists to keep records consistent and every recommendation trackable to closure.



Annex 13 and beyond

Supports both Annex 13 recommendations and non-Annex 13 sources / safety studies in one register.

Before we continue to the platform content, let's imagine what the platform can look like.

Draft – Safety recommendation entry page



SRPWG
Safety Recommendation
Process Working Group

Dashboard

Safety Recommendations

SR Tracking

Addressee Analysis

Safety Analysis

State Analysis

Recurring Issues

Performance Monitoring

Reports & Dashboards

Data Management

User Management

System Settings

Quick Links

SR Database

Download Templates

User Guidance

SRPWG Website

Safety Recommendation Entry

Create / Edit Safety Recommendation

SR ID: SR-2026-UAE-001

Status: Open

³

Issuing State / Organization

Issue Date *

Investigation Reference

Accident / Incident Date

Linked Occurrence Country

UAE GCAA / AAIB

23 Jun 2026

AIG-2025-001

12 Mar 2025

UAE

1 Safety Recommendation Details

2 Follow-up & Closure Information

A. RECOMMENDATION DETAILS

Recommendation Title *

Implement Runway Incursion Prevention Measures

Recommendation Text *

The GCAA should ensure that all aerodromes implement additional runway incursion prevention measures including improved signage, enhanced ATC phraseology and regular runway safety training for all operational personnel.

Safety Issue *

Runway incursion due to inadequate situational awareness

Recommendation Category *

Operations

Safety Theme *

Runway Safety

Priority / Severity *

Low

Medium

✓ High

B. ADDRESSEE INFORMATION

Primary Addressee *

UAE GCAA

Addressee Type *

Regulator

Country of Addressee *

UAE

Secondary Addressee(s)

Select or type to add

Other Addressee(s)

Select or type to add

You can add multiple secondary addressees separated by commas.

C. SAFETY CLASSIFICATION

ICAO Annex Area *

Annex 13 – Aircraft Accident and Incident Investigation

ADREP Occurrence Category *

Runway Incursion (RI)

Operation Type *

Commercial Air Transport

Aircraft Type

Fixed Wing

Phase of Flight

Taxi

Use of Automation

Select

Relevant ICAO Doc / Guidance

Select

D. RESPONSE TRACKING

Initial Response Due Date (90 days) *

21 Sep 2026

Response Received?

Yes

No

Response Received Date

15 Sep 2026

Days to Respond

84

Response Quality

Adequate

Response Summary

GCAA acknowledged the recommendation and provided an action plan to enhance runway safety at all international aerodromes.

E. IMPLEMENTATION & STATUS

Current Status *

Open

Action Plan Received?

Yes

No

Action Plan Date

10 Oct 2026

Implementation Target Date

31 Mar 2027

Implementation Progress

In Progress

Implementation Summary

Installation of additional signs underway at DXB and AUH.

F. REGIONAL / SYSTEMIC INFORMATION

Regional Significance *

High

Recurring Issue?

Yes

No

Similar SR Exists?

Yes

No

Link to Similar SR

SR-2024-UAE-003

Notes

Similar recommendations issued to other States regarding runway safety.

Cancel

Save Draft

Save & New

Submit

THE AGREED DATA STRUCTURE

Platform content

A



Identification

Who issued it, its numbers and type

B



Occurrence information

The event the recommendation arises from

C



Aircraft details

Category, type and registration

D



SR content

The recommendation statement and its category

E



Addressee

Who must act, and the response lifecycle

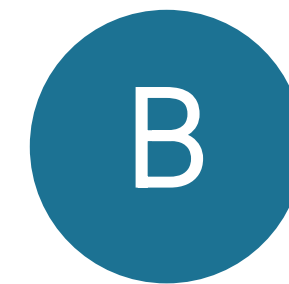
Identification & occurrence



Identification



- State
- Reference — Annex 13 / Non-Annex 13
- SR Regional Number (auto-generated)
- SR Local Number
- SR Type — SR / PSR / FSR / SSR
- SRGC — Yes / No

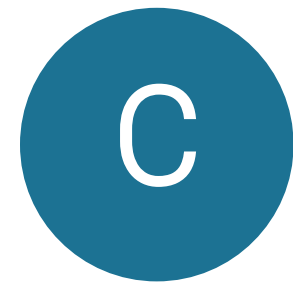


Occurrence information



- Occurrence Classification
- Occurrence Summary
- Date of Occurrence
- State of Occurrence

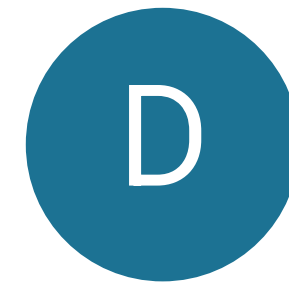
Aircraft & recommendation content



Aircraft details



- Aircraft Category
- Aircraft Type
- Aircraft Registration



SR content



- SR Statement — the recommendation itself
- SR Category
- Sub-category

Addressee & tracking — the lifecycle group



Addressee & tracking

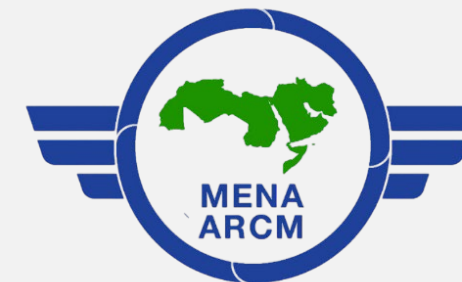


- SR Addressee Category
- SR Date of Issuance
- Target Date
- Addressee Response
- Response Assessment
- SR Status
- Report Type



Why this group matters

- ✓ **Addressee Category & Date of Issuance** — fix who must act and when the clock starts.
- ✓ **Target Date** — sets the expected timeframe for action.
- ✓ **Addressee Response & Assessment** — capture what was done and whether it was adequate.
- ✓ **SR Status** — the live state — open, closed, and stages between.
- ✓ **Report Type** — classifies the record for reporting and analysis.



MENA ARCM (SRPWG)

Analytical Reporting

WHY THIS STEP MATTERS

From recording recommendations to managing

A register records safety recommendations. Analytics is what turns them into oversight.

WHY IT MATTERS



Records alone are not oversight

Stored SRs only create value when monitored. Analytics makes open items, delays and gaps visible while they can still be acted on.



Standard metrics enable fair comparison

A shared metric set is the precondition for a regional view.



Trends and risk drive prevention

Surfacing recurring patterns and high-risk areas is where the safety payoff is realised — moving from reactive to proactive.



What we achieve



Real-time monitoring — SR status visible across the region as it changes



Standardized reporting — one comparable reporting format across all States



Trend & performance tracking — regional trends and closure performance over time



Decision support & risk focus — data-driven oversight that surfaces high-risk areas

Core capabilities



Real-time monitoring

Live view of safety recommendations and their current status across the region.



Standardized reporting

Consistent analytical reporting across all States, using one common metric set.



Trend & performance tracking

Regional trend analysis and performance tracking over time.



Decision support

Data-driven safety oversight that informs where attention and action are needed.

One source of truth

All five capabilities draw on the same agreed dataset — so every State sees a consistent regional picture.

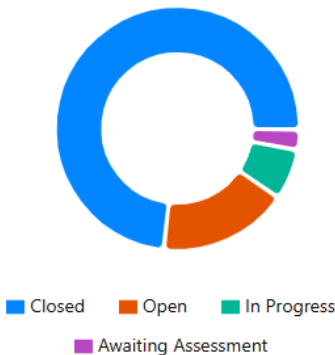


Per-State visibility

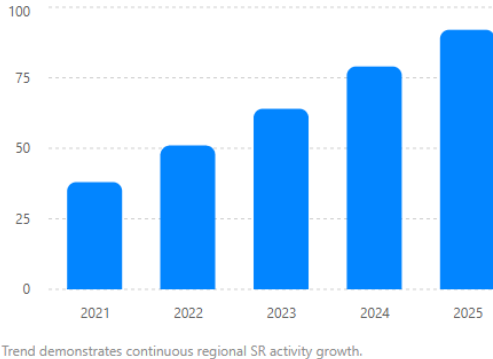
Ability to identify and filter the data by individual State.

The system will include the following KPIs

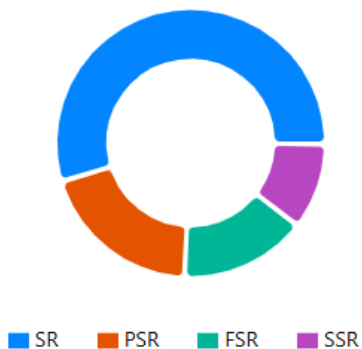
Status



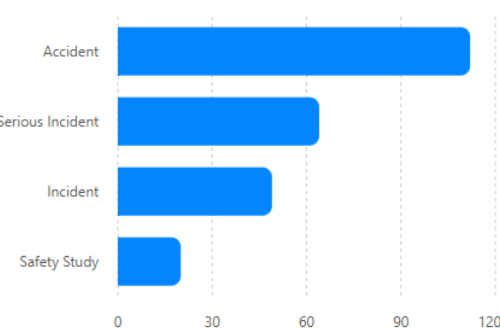
Yearly SR trend



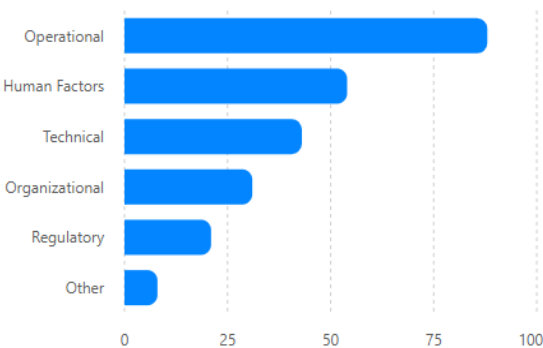
SR type



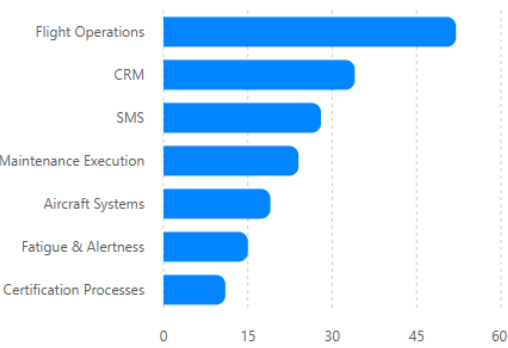
Occurrence Classification



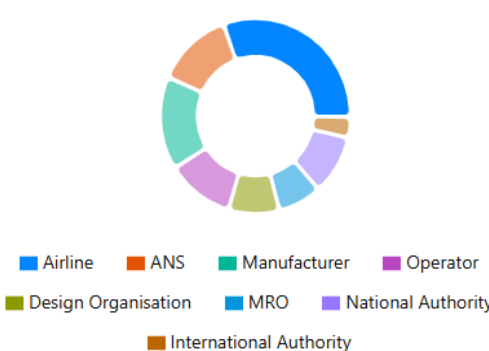
SR Category



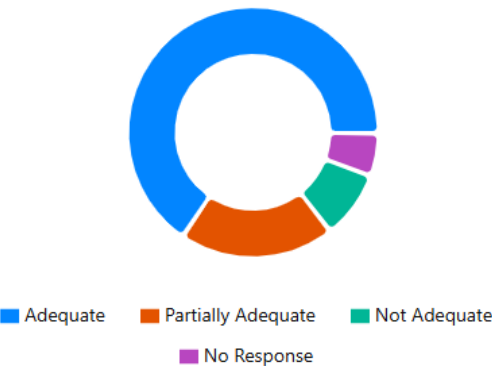
SR Sub-Category Analysis



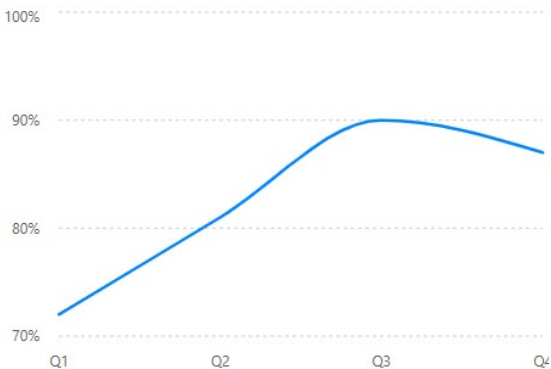
Addressee Category



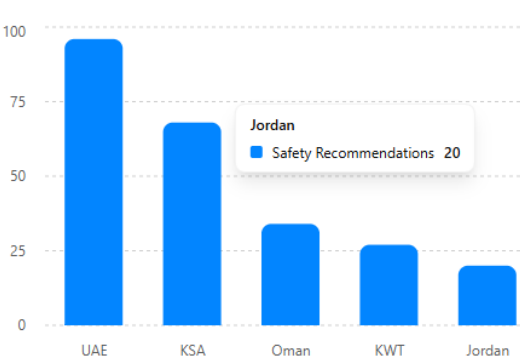
Response Assessment



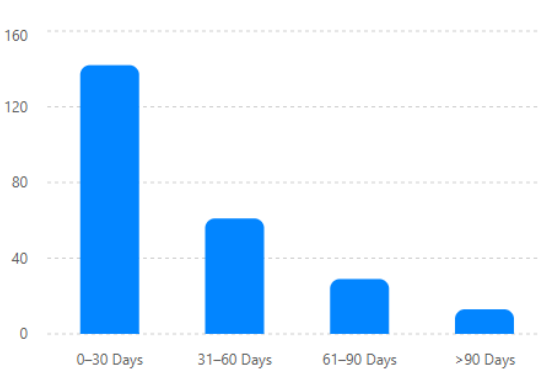
Closure Rate



SR per state



Response time



Identified High-Risk





MENA ARCM (SRP)

Platform Key Functions

Platform Key Functions

What SRP will address

Current challenge	SRP response	Expected value
● Siloed knowledge Safety recommendations remain confined within each Member State — no regional visibility or systematic cross-border tracking. ● Repeated safety issues Without a shared repository, similar risk patterns re-emerge across the region undetected and unaddressed. ● No common structure The absence of a unified taxonomy makes it nearly impossible to search, compare, or analyze recommendations regionally.	A unified regional platform that: ● Centralizes all MENA ARCM safety recommendations in one searchable database ● Enables instant cross-country access and comparison ● Enforces a common data structure and classification taxonomy ● Supports trend analysis and pattern detection across the region ● Provides role-based access for all Member States with full audit trail	✓ Faster dissemination of safety findings ✓ Regional visibility into recurring risks ✓ Evidence-based decision making ✓ Reduced duplication of preventable incidents ✓ Stronger MENA aviation safety culture ✓ Increase collaboration among MENA ARCM member

Targeted Users, User Access & Workflow

USER ROLES & PERMISSIONS

Platform Administrator | SRPWG Secretariat

- Create and manage Member Country accounts
- Assign and configure user roles and permissions
- Set data visibility and sensitivity policies
- Oversee the recommendation approval workflow

Country Focal Point | Designated representative per Member State

- Submit new safety recommendations on behalf of their State
- Edit, update and track the status of submitted records
- Upload supporting attachments and reference documents
- Validate and endorse recommendations before publication
- View recommendations from all Member States (per access level)
- Download and export data for national reporting

Authorized Viewer (Members) | Anyone with certain access

- Search and browse published recommendations across the region
- Apply advanced filters: country, type, year, classification
- View recommendation details and linked investigation reports
- Access trend dashboards and analytical summaries
- Export filtered results to Excel or PDF

WORKFLOW & GOVERNANCE

Country Recommendation Workflow

1

Submit

State focal point submits recommendation with all required metadata

2

Review

System validates required fields; focal point reviews and edits draft

3

Approve

Platform administrator or designated authority approves for publication

4

Publish

Approved recommendation becomes visible to authorized members

5

Search & Reuse

Members search, compare, analyze and build upon published findings



Governance principle:

Each Country Focal Point retains full control over the visibility and sensitivity classification of its own recommendations. Data sharing policies are enforced by the platform per approved MENA ARCM governance rules.

Modules and Technical Direction

FUNCTIONAL MODULES

1 User Management & Access Control | *Security-first design*

- Create and manage user accounts per Member State
- Define role-based permissions: Admin, Country Focal Point, Viewer
- Configure data visibility and sensitivity per State policy
- Full audit log of all user actions and access events

2 Recommendation Submission & Lifecycle | *End-to-end traceability*

- Structured form with mandatory and optional fields
- Draft, review, approve and publish workflow with status tracking
- Edit history and version control for all records
- Attach supporting files, links and investigation reports

3 Search, Filter & Browse | *Regional knowledge at your fingertips*

- Full-text keyword search across all published recommendations
- Advanced filters: country, event type, year, classification, status
- Quick summary view with drill-down to full recommendation detail
- Save and export search results to Excel or PDF

4 Analytics Dashboard & Reporting | *Data-driven safety decisions*

- Live KPI dashboard: total records, active States, classification breakdown
- Trend analysis: recurring themes, common event types, open vs. closed
- Comparative view across Member States and time periods
- Scheduled and on-demand report generation (Excel, PDF)

5 Attachments, References & Data Export | *Interoperable and portable*

- Upload and link final investigation reports and evidence files
- Reference external ICAO or ENCASIA documents per recommendation
- Bulk export capabilities for national and regional reporting
- Structured data export for integration with external systems

TECHNICAL DIRECTION

☁ Hosting & Regulatory Compliance

- Cloud-hosted within the Kingdom of Saudi Arabia
- Fully compliant with NCA (National Cybersecurity Authority) requirements
- Aligned with DGA (Digital Government Authority) standards
- Data residency guaranteed within MENA ARCM member jurisdiction
- Regular security audits and vulnerability assessments

⚙ Development Approach

- Built on proven Low-Code / No-Code platform for rapid delivery
- Workflow automation engine for approval and notification routing
- Flexible form builder for evolving data requirements

✓ Non-Functional Requirements

- Bilingual interface: Arabic (RTL) and English
- High availability: 99.5% uptime SLA
- Auditability: every action logged with timestamp and user ID

▶ Future Roadmap Capabilities

- AI-assisted pattern recognition across recommendations
- Integration with ICAO global safety databases
- Automated cross-reference alerts for similar findings
- Mobile application for field access by State focal points



MENA ARCM (SRP)

Project Plan & Way forward

Modules and Technical Direction

PHASE 1 (0-6 Months)

- Project initiation and governance setup
- Platform architecture and low-code framework
- User roles and permission model
- Recommendation submission and approval workflow
- Search and filtering module
- Basic dashboard and Excel/PDF export
- KSA cloud hosting and NCA compliance
- UAT with pilot Member States

Milestone

Platform Go-Live and Launch

PHASE 2 (6-18 Months)

- Onboard all Member States
- Data migration and historical records
- Advanced analytics and trend dashboards
- Training and capacity building for focal points
- Bilingual (AR/EN) interface finalization
- Integration with MENA ARCM workflows

Milestone

Full regional adoption and ENCASIA alignment

PHASE 3

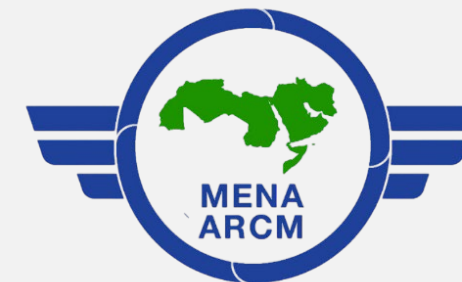
- Managed services and technical support
- License renewal and platform updates
- AI-assisted pattern recognition (future)
- Integration with ICAO global databases
- Regional SRP governance framework
- Annual SRP performance review cycle

Milestone

Fully operational SRP -- sustainable and self-funded

ICAO MENA ARCM/8 FINAL REPORT- SRP ROAD MAP

Phase	timeline	Key Activity	Lead Entity
Phase 1: Planning & Governance Setup	Q4-2025	Establish SRPWG, finalize governance, and policy framework	MENA ARCM Coordinator and COMMITTEE in coordination with ICAO MID and ACAO
Phase 2: Platform Design & Development	Q1- 2026	Define requirements, system design	MENA ARCM Coordinator and COMMITTEE in coordination with ICAO MID and ACAO
Phase 3: Pilot Implementation	Q1 2027	Pilot platform, build testing with 3–5 volunteer States; feedback and improvements	MENA ARCM Coordinator and SRPWG as well as Volunteer States
Phase 4: Regional Rollout	Q2-Q3 2027	Full operationalization across all MENA ARCM Member States	MENA ARCM Coordinator, SRPWG and States



THANK YOU
FOR YOUR ATTENTION
