



*International Civil Aviation Organization*

**Sixth Meeting of the Aerodrome Safety, Planning & Implementation Group**

**(ASPIG/6) (Muscat, Oman, 27-29 May 2024)**

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**Agenda Item 2: Regional Performance Framework for Aerodrome Safety**

**FOLLOW-UP OF THE AERODROMES SEIs INCLUDED IN  
THE MID REGIONAL AVIATION SAFETY PLAN  
(MID - RASP) 2023-2025 EDITION**

*(Presented by the Secretariat)*

<p style="text-align: center;"><b>SUMMARY</b></p> <p>This paper presents the update/follow-up on the implementation Progress of the Safety Enhancement Initiatives (SEIs) assigned to the ASPIG.</p> <p>Action by the meeting is at paragraph 3.</p>
<p style="text-align: center;"><b>REFERENCES</b></p> <ul style="list-style-type: none"><li>- ASPIG Reports</li><li>- RASG-MID/11 Report</li></ul>



**1. INTRODUCTION**

1.1 The regional aviation safety plan (RASP) is the master planning document containing the strategic direction for the management of aviation safety at the regional level for a set period. It outlines to all stakeholders where the different regional entities involved in the management of aviation safety should target resources over the coming years.

1.2 The RASP is a means of obtaining regional support and a mechanism for the coordination of initiatives aimed at improving safety in the region. The regional aviation safety groups (RASGs) are considered the main drivers behind the planning and implementation of safety enhancement initiatives (SEIs) at the regional level. They are the regional entity responsible for the development and implementation of the RASP.

**2. DISCUSSION**

2.1 The meeting may wish to note the SEIs incorporated into the MID-RASP 2023-2023 Edition.

2.2 The meeting may wish to review and update the Aerodromes related Safety Actions included into the consolidated List of SEIs as at **Appendix A**.

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to review and update as deemed necessary, the Aerodromes SEIs included in the MID Regional Aviation Safety Plan (MID-RASP) 2023-2025 Edition as at **Appendix A**.

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## Consolidated List of SEIs with their respective Safety Actions

SEI Code	SEI Name	Actions	Owner(s)	Status/Progress	Completion Date
<b>Regional Operational Safety Risks</b>					
<b>Goal 1: Achieve a Continuous Reduction in Operational Risks</b>					
<b>G1-SEI-01:</b>	Aircraft Upset in Flight (LOC-I)	<b>A1-</b> Guidance material on flight crew proficiency	IATA to be supported by Airbus	Planned 2025	2023- 2025
		<b>A2-</b> Advisory Circular: Mode Awareness and Energy State Management Aspects of Flight Deck Automation	IATA to be supported by Airbus	Planned 2025	2023- 2025
		<b>A3-</b> Conduct Upset Recovery capacity building activities	UPRT Workshop. Airbus, ICAO, Kuwait	Regional ICAO UPRT Workshop (jointly involving Airbus, ICAO, Kuwait) conducted in Kuwait 7-11 May 2023. <b>Completed for 2023/Continuous for 2024</b>	2023-2025
		<b>A4-</b> Develop guidance material on the air cargo safety	Oman	Planned for 2024	2023-2025
<b>G1-SEI-02:</b>	Runway Safety- Runway Excursion	<b>A1-</b> Support States to implement the Global Reporting Format (GRF) Methodology through capacity building activities.	ICAO and ACI	<b>Completed for 2023/</b> continuous for 2024/2025	2023-2025
		<b>A2-</b> MID Region Action Plan/Milestones on the Global Reporting Format (GRF) Implementation.	ICAO	<b>Completed for 2023/</b> continuous for 2024/2025	2023-2025
<b>G1-SEI-03:</b>	Runway Safety- Runway Incursion	<b>A1-</b> Conduct Capacity Building Activities on the Advanced Surface Movement Guidance and Control System (A-SMGCS) Implementation	ICAO To be supported by Euro-Control, FAA	<b>Completed</b> Conducted February 2023	2023-2025

SEI Code	SEI Name	Actions	Owner(s)	Status/Progress	Completion Date
<b>G1-SEI-04A1:</b>	Controlled Flight into Terrain (CFIT)	<b>A1-</b> Advisory Circular: Instrument Approach Procedures Using Continuous Descent Final Approach Techniques.	IATA supported by aircraft manufacturers	Planned 2025	2023-2025
		<b>A2-</b> Guidance for designing RNP Approach	ICAO and MID FPP	Planned for 2024	2023-2025
		<b>A3-</b> Advisory Circular: Crew Resource Management Training Programme (CRM)	IATA supported by Aircraft manufacturers		2023-2025
		<b>A4-</b> Awareness Material on the vulnerabilities of BARO-VNAV approaches and mitigation actions	ICAO	Planned for 2024	2023-2025
<b>G1-SEI-04A2</b>	5G Operations on Radar Altimeter	<b>A1-</b> Develop a guidance material on safeguarding measures to protect Radio Altimeter from potential harmful interference from 5G Operation	Radio Altimeter Action Group (RADALT AG) To be supported by Boeing	<b>Completed</b> Publication of the guidance material: MID DOC 15 edition 1.0 in May 2023.	2023-2025
		<b>A2-</b> Conduct a Webinar addressing the matter to raise awareness and promote the guidance material developed by the RADALT AG	ICAO and RADALT AG To be supported by Airbus & Boeing	<b>Completed</b> The webinar has been conducted.	2023-2025
<b>G1-SEI-05B1:</b>	MAC- Loss of Separation	<b>A1-</b> Conduct workshop to implement Civil-Military cooperation.	ICAO supported by States, and International Organizations	At national level, workshop has been conducted in Iran in 2022 and follow up meeting was conducted in Aug 2023. In this respect the action plan has been developed and agreed. <b>Completed</b>  In addition, this issue has been raised by Iran during MIDANPIRG 20 meeting. As agreed in the side meeting with participation of Bahrain, Iran, Oman, Qatar, Saudi Arabia and UAE, states are going to report safety issues regarding the operation of due regard specifically	2023-2025

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				over the high seas to ICAO MID for further study and actions. At regional level, the plan was postponed to 2024. The ATM SG developed a draft reporting form, will be presented to the MIDANPIRG/21 for endorsement	
		<b>A2-</b> Conduct seminar on raising awareness among stakeholders related to the potential risk of MAC over high seas	ICAO supported by States, and international organizations		2023-2025
<b>G1-SEI-05B2:</b>	GNSS Interference	<b>A1:</b> Raise awareness on the potential impact of GNSS interference on the aviation during the Civil-Mil Workshop	ICAO and IATA	The CMC Workshop is planned during 2024.	2023-2025
		<b>A2-</b> Urge States to follow the reporting procedure agreed by MIDANPIRG Conclusion 19/4 when needed	ICAO	SL has been issued. <b>Completed</b>	2023-2025
		<b>A3-</b> Capacity Building on GNSS operations and GNSS RFI	ICAO and ACAO	Regional GNSS Workshop is planned for 2024	2023-2025
<b>G1-SEI-05B3:</b>	Ensure the Safe Operations of UAS (Drones)	<b>A1-</b> UAS iPack deployment	ICAO and States		2023-2025
		<b>A2-</b> Organize symposium on Drones related subjects	ICAO and ACAO supported by FAA and Boeing	ACAO organized Drones symposium in Morocco during the period 4-5 October 2023. <b>Completed/Continuous for 2024.</b>	2023-2025
		<b>A3-</b> Conduct survey on States UAS regulatory framework	ICAO and States	To be circulated during 2024	2023-2025
		<b>A4-</b> Develop an AAM study report	UAE	Planned for 2024	2023-2025

SEI Code	SEI Name	Actions	Owner(s)	Status/Progress	Completion Date
<b>G1-SEI-05B4:</b>	Expansion of ATS route Networks	<b>A1-</b> Conduct gap analysis to identify current ATS route networks gaps	ICAO and States	Required data and information have been gathered and dashboard was deployed. <b>Completed.</b>	2023-2025
		<b>A2-</b> Establishment of parallel unidirectional ATS routes (De-confliction)	ICAO and States	Establishment of the parallel airway at interface of Kuwait and Iraq is on process. In addition Iran requested to establish new parallel ATS route between Iran and Iraq to accommodate regional traffic in the most safe and efficient manner.  <b>Completed.</b>  In addition, During last MIDANPIRG proposed to enhance the structure of the ATS route at interface of MID and APAC regions by establishment of required parallel airways. This WP was supported by UAE and Saudi Arabia and endorsed by MIDANPIRG 20.  <b>Ongoing.</b>	2023-2025
<b>Organizational Challenges/issues</b>					
<b>Goal 2: Strengthen States' Safety Oversight Capabilities</b>					
<b>G2-SEI-01:</b>	Strengthening of States' Safety Oversight Capabilities	<b>A1-</b> Conduct Capacity Building Activities to promote effective implementation of SARPs	ICAO, States, International Organizations, and Industry.	USOAP workshops conducted.  ACAO and Singapore CAA: an AOC certification & Flight Inspectors course conducted in Amman the 29 -2 Jun 2023. <b>Completed/continuous for 2024.</b>  ICAO & GCAA Symposium: "The Future of Aviation safety and Aircraft Accident Investigation" in Dubai, during 3 to 4 May 2023.	2023-2025

SEI Code	SEI Name	Actions	Owner(s)	Status/Progress	Completion Date
				“The Prevention of Aircraft Accidents and Incidents through the Collection & Analysis of Safety Data & Information” Workshop held in Rabat, Morocco from 11 to 12 July 2023	
		<b>A2-</b> Conduct technical assistance and NCLB missions to States , with focus on states with EI<80% as well as ANS, AIG, AGA, and OPS areas	ICAO and States	TAs conducted 2023 (Kuwait, Lebanon, Oman, Sudan, Libya).  ANS Technical assistance to Kuwait, Sudan, Jordan and Lebanon conducted. <b>Completed.</b>	2023-2025
		<b>A3-</b> Develop and implement a specific NCLB plan of actions.	ICAO, States, International Organizations, and Industry		2023-2025
		<b>A4 -</b> Conduct a Capacity Building Activity for Aerodrome Inspectors (Training Course on Aerodrome Inspection) ( <b>Action addressed under G6-SEI-01 A5</b> )	States (Qatar) and ICAO	Conducted February 2023. <b>Completed.</b>	2023-2025
		<b>A5-</b> Develop guidance material to assist MID Region States in the issuance of exemptions related to temporary deviations from standards	Qatar supported by Iran, Sudan, UAE, ACAO, and IATA	Planned for 2024	2023-2025
		<b>A6-</b> Develop guidance material to support States for the conduct of remote surveillance	Qatar supported by Iran, Jordan, Saudi Arabia, Sudan, UAE, and ACAO	Planned for 2024	2023-2025
		<b>A7-</b> Develop guidance material on the enhancement of understanding the	Qatar supported by Saudi Arabia and UAE	Planned for 2024	2023-2025

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		concept of judicial enforcement for aviation inspectors			
<b>G2-SEI-03:</b>	Establishment of MENA ARCM Database	<b>A1-</b> Establishing a Platform for Sharing data for MENA ARCM Member States	ICAO, ACAO, and MENA ARCM Member States	ACAO has established a share folder as an initial step for sharing information. Online platform establishment is on going	2023-2025
<b>G2-SEI-04:</b>	Enhance State Oversight on Dangerous Goods	<b>A1-</b> Dangerous Goods (DG) capacity building activities including Lithium batteries fire/smoke risk in cabin	ICAO, States, International Organizations, IATA, And Industry		2023-2025
		<b>A2-</b> Develop guidance material on carriage and transport of Lithium batteries	IATA supported by States, International Organizations, And Industry	Guidance material to be endorsed by RASG-MID/11	2023-2025
<b>G2-SEI-05:</b>	Human factors and Competence of Personnel	<b>A1-</b> Advisory Circular: Crew Resource Management Training Programme (CRM). ( <b>Action addressed under G1-SEI-04: CFIT</b> ).	IATA		2023-2025
		<b>A2-</b> Organize Crew Resource Management Capacity building activities	ACAO, ICAO & Airbus,	Planned for 2024	2023-2025
		<b>A3-</b> Organize Team Resource Management Capacity building activities	ACAO, ICAO & Airbus	Planned for 2024	2023-2025
		<b>A4-</b> Conduct Fatigue Risk Management and Mental Health Best Practices Capacity building activities	ACAO, ICAO & Airbus	Planned for 2024	2023-2025
		<b>A5.</b> Data analysis and Artificial intelligence	UAE	Planned for 2025	



SEI Code	SEI Name	Actions	Owner(s)	Status/Progress	Completion Date
<b>G2-SEI-06:</b>	Impact of security on safety	<b>A1-</b> Organize seminar/Symposium/Workshop to exchange experiences and good practices on assessing the risks and sharing of information related to the overflying of conflict zones in coordination with RASFG-MID and MIDANPIRG.	ICAO		2023-2025
		<b>A2-</b> Risk management on conflict zone workshop	ICAO/ACAO	Planned for 2024	2023-2025
<b>G2-SEI-07:</b>	Managing cybersecurity risks	<b>A1-</b> Develop a Regional Action Plan to bridge the gap between ICAO Cyber Security Action plan and the implementation level of Cyber Resilience in the MID Region	ANS Cyber SeC Action Group	<b>Completed.</b>	2023-2025
		<b>A2-</b> Conduct activities on Cyber Security and Resilience- (Jointly ANS and AVSEC)	ICAO supported by Boeing	<b>Completed</b> conducted Nov 2023	2023-2025
		<b>A3-</b> Develop a MID Region Cybersecurity Action Plan	Cybersecurity Security Ad-hoc Group	<b>Completed</b>	2023-2025
<b>G2-SEI-08:</b>	Impact of COVID-19 pandemic- Safe return to operations	<b>A1-</b> Continued support to the aviation industry through MID-RPTF meetings/Activities, as needed	ICAO, States, International Organizations, and Industry	<b>Completed</b> Aviation medicine workshop conducted Feb 2023	2023-2025
		<b>A2-</b> Sharing of guidance material/best practices	ICAO, States, International Organizations, and Industry	<b>Completed.</b>	2023-2025

**Goal 3: Implementation of Effective States Safety Programme (SSP)**

<b>G3-SEI-01:</b>	Implement an effective Safety Management	<b>A1-</b> Conduct ICAO SSP/SMS Capacity building activities	SSP workshops for States. 2023  SMS & Flight Data analysis workshop for airlines.  ACAO, Airbus and ICAO.	SSP training course and SSP workshop conducted. (Kuwait & Oman) 2023  SRM Workshop conducted 2024.  SMS & Flight Data analysis workshop for airlines Conducted Nov 2023.  <b>Completed/Continuous</b> for 2024.	2023-2025
		<b>A2-</b> Conduct Technical Assistance missions by SMIT	ICAO and States		2023-2025
<b>G3-SEI-02:</b>	NASP Development & Implementation	<b>A1- Conduct</b> NASPs workshops & technical assistance missions	ICAO. 2023	Workshop conducted in Kuwait and Qatar 2023. <b>Completed/Continuous</b> for 2024	2023-2025
		<b>A2-</b> NASP iPacks deployment	ICAO	If requested by states	2023-2025

#### Goal 4: Increase Collaboration at the Regional Level

<b>G4-SEI-01:</b>	Development and Implementation of MID-RASP	<b>A1-</b> Development and Implementation of MID-RASP 2023-2025 Edition	SEIG	Published May 2023. <b>Completed</b>	2023-2025
<b>G4-SEI-02:</b>	Enhance collaboration between States, international organizations, and industry	<b>A1-</b> Develop and agree on joint work activities through MID-RCM meetings	ICAO, States, Regional Groups, International Organizations, and Industry	<b>Completed</b>  Conducted Oct 2023	2023-2025
		<b>A2-</b> Support the establishment of MENA RSOO and its activities	ICAO and States	States Signed the RSOO MoU on Dec 2023 and RSOO started its operations.  <b>Completed.</b>	2023-2025

**Goal 5: Expand the Use of Industry Programmes and Safety Information Sharing Networks**

<b>G5-SEI-01:</b>	Promote the Use of industry Programmes	<b>A1-</b> Encourage IATA’s IOSA and ISAGO registrations through safety promotion	IATA	<b>Completed/</b> Continuous action for 2024/2025	2023-2025
		<b>A2-</b> Encourage the implementation of ACI Airport Excellence (APEX) in Safety Programme	ICAO and ACI	<b>Completed/</b> Continuous action for 2024/2025	2023-2025

**Goal 6: Ensure the Appropriate Infrastructure is available to Support Safe Operations**

<b>G6-SEI-01:</b>	Certification of International Aerodromes	<b>A1-</b> Support States on the implementation of the ICAO Annex 14 requirements to achieve compliance with regards to Aerodrome Design and Operations, through capacity building activities.	ICAO and ACI	Planned activity for 2025	2023-2025
		<b>A2-</b> Enhance capacity building for States CAAs and Airport operators related to Aerodromes Certification through capacity building activities.	ICAO and ACI	Planned activity for 2025	2023-2025
		<b>A3 -</b> Deployment of iPack on Aerodrome Re-Start	ICAO and States		2023-2025
		<b>A4 -</b> Support States in implementing aerodrome oversight/inspection mechanism through capacity building activities on Aerodrome Oversight	ICAO Supported by FAA	Planned activity for 2024/2025	2023-2025
		<b>A5 –</b> Conduct a Capacity Building Activity for Aerodrome Inspectors (Training Course on Aerodrome Inspection)	States (Qatar) and ICAO	Conducted February 2023. <b>Completed.</b>	2023-2025

		<b>A6</b> – Conduct a Wildlife Hazard Management Control capacity building Activities	ICAO, ACAO, WBA	Regional Symposium planned for 2024	2023-2025
<b>G6-SEI-02:</b>	Establish Runway Safety Team (RST) at International Aerodromes	<b>A1-</b> Conduct Runway Safety Go-Team (RST) assistance missions	ICAO. Supported RSP (Runway Safety Programme Partners)	Planned for 2024	2023-2025
		<b>A2:</b> Support States to implement the Global Reporting Format Methodology through capacity building activities: <b>(Action addressed under G1-SEI-02: Runway Excursion).</b>	ICAO and ACI	<b>Completed for 2023/</b> continuous for 2024/2025	2023-2025

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