



International Civil Aviation Organization

Safety Enhancement Implementation Group

Fourth Meeting (SEIG/4)
(Cairo, Egypt, Meeting- 23 October 2022)

Agenda Item 2: Regional Performance Framework for Safety

**UPDATE ON THE IMPLEMENTATION PROGRESS OF
THE SAFETY ENHANCEMENT INITIATIVES (SEIS)**

(Presented by the Secretariat)

SUMMARY

This paper presents the update on the implementation Progress of the Safety Enhancement Initiatives (SEIs) assigned to the SEIG.

Action by the meeting is at paragraph 3.

REFERENCES

- SEIG/3 Report
- RASG-MID/9 Report

1. INTRODUCTION

1.1 In accordance with the SEIG Terms of Reference, the SEIG shifted to a different way of doing business, where States and Partners share expertise, experience and best practices in order to develop and monitor the implementation of SEIs related to identified regional operational risks, organizational challenges/issues, and emerged risks.

2. DISCUSSION

2.1 The Middle East Regional Aviation Safety Plan (MID-RASP) 2020-2022 Edition considers and supports the objectives and priorities of GASP 2020-2022 Edition. MID-RASP also emphasizes the importance of identifying and mitigating risks at MID region level. In addition, MID-RASP is to create a common focus on regional aviation safety issues as a continuation of the MID region work to improve aviation safety and to comply with ICAO standards and supports MID States and industry in implementing the GASP 2020-2022 Edition.

2.2 The Eighth meeting of the Regional Aviation Safety Group – Middle East (RASG-MID/8) was held in Cairo, Egypt, Virtual Meetings, 15-22 February 2021; reviewed and endorsed the MID-RASP 2020-2022 Edition including the SEIs list and their respective actions through RASG-MID Conclusion 8/3.

2.3 The meeting may wish to note that the RASG-MID/9 apprised with appreciation on the updated SEIs and their respective safety actions, as well as the status of their implementation.

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2.5 The list reflecting the status and progress made for each SEI and its respective action(s) is at **Appendix A. 17 SEIs and 53 safety** actions have been developed to address safety issues in MID Region.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the progress achieved for the implementation of the SEIs and their respective actions assigned to the SEIG, and take actions, as necessary;

APPENDIX A

Safety Actions- Consolidated List of SEIs with their respective Actions

SEI Code	SEI Name	Actions	Owner(s)	Status/Progress	Completion Date
Organizational Challenges and Emerging Risks					
Goal 2: Strengthen States' Safety Oversight Capabilities					
G2-SEI-01:	Strengthening of States' Safety Oversight Capabilities	A1- Conduct Capacity Building Activities (Workshops, Training, Webinars, GSI Courses) to promote effective implementation of SARPs, with a focus on the following technical areas: ANS, AGA, AIG and OPS.	ICAO	Workshops/Webinars conducted. <i>(Completed)</i>	2022 Completed Included in the Second MID-RASP Edition
		A2- Conduct technical assistance and NCLB missions to States.	ICAO	Technical assistance missions conducted. <i>(Completed)</i>	2022 Completed Included in the Second MID-RASP Edition
		A3- Develop and implement a specific NCLB plan of actions.	ICAO and concerned States	Postponed for 2023	2022 Included in the Second MID-RASP Edition

G2-SEI-02:	Improve Regional Cooperation for the Provision of Accident & Incident Investigation	A1- Development and signature of the MOU among MENA ARCM States	ICAO, ACAO, and MENA ARCM Member States	The MENA ARCM MoU has been signed by Fourteen (14) States namely Djibouti, Iraq, Iran, Jordan, Kuwait, Libya, Mauritania, Morocco, Palestine, Oman, Saudi Arabia, Sudan, United Arab Emirates, and Yemen. The kick-off of the MENA ARCM operations has been officially announced during the Future Aviation Forum held in Riyadh, Saudi Arabia (9-11 May 2022). Second MENA ARCM Conducted in Jeddah. <i>(Completed)</i>	2022 Completed
		A2- Conduct AIG Capacity Building Activities	Joint event KSA AIB/ICAO	Aircraft Accident and Incident investigation Workshop held Jeddah in September 2022 during AIIG/2. <i>(Completed)</i>	2022 Completed Included in the Second MID-RASP Edition
G2-SEI-03:	Sharing of Safety Recommendations related to Accidents and Serious Incidents	A1- Development of questionnaire to be circulated to MENA States on sharing safety recommendations on dedicated platform.	ICAO, ACAO, and States (KSA & UAE)	The questionnaire endorsed by the RASG-MID/9. SL has been circulated to the MENA ARCM member States. Analysis presented to MENA ARCM Committee/2 Meeting. <i>(Completed)</i>	2022 Completed Included in the Second MID-RASP Edition

G2-SEI-04:	Enhance State Oversight on Dangerous Goods	A1- Dangerous Goods (DG) Workshop for States' inspectors.	ICAO and ACAO. Supported by FAA	<ol style="list-style-type: none"> 1. Joint ACAO/ICAO Dangerous Good Webinar has been held on 8 November 2021. 2. Joint event ACAO/ICAO Dangerous Goods Workshop back to back with Ground handling Workshop planned to be held in Rabat. 3. ACAO/GCAA Webinar on Regulating The Transport of Dangerous Goods by Air in United Arab Emirates has been conducted the 23 June 2022. <i>(Completed)</i> 	<p>2022 Completed</p> <p>Included in the Second MID-RASP Edition</p> <p>Joint Event ACAO/ICAO DG Workshop in Casablanca 12-15 December 2022</p>
		A2- Develop guidance material/share best practices to support States' inspectors for the conduct of the oversight for DG.	States (Bahrain and Oman)	Draft to be presented to SEIG/4 for review. <i>(Completed)</i>	Completed
		A3- Develop guidance material and providing Webinar high energy devices.	IATA	IATA will provide the tentative dates on Jan 2022 or Q1 2022.	<p>2022</p> <p>Included in the Second MID-RASP Edition</p>
		A4: Organize DG Capacity Building Training	ICAO	Postponed for 2023	<p>2022</p> <p>Included in the Second MID-RASP Edition</p>

G2-SEI-05:	Human factors and Competence of Personnel	A1- Advisory Circular: Crew Resource Management Training Programme (CRM). (Action addressed under G1-SEI-04: CFIT).	IATA	IATA will provide the tentative dates on January 2022 or Q1 2022.	Included in the Second MID-RASP Edition
		A2- Organize Crew Resource Management Training Workshop/webinar to share experience and best practices on CRM practical implementation.	ICAO, ACAO, and IATA	Crew Resource Management (CRM) Webinar planned held 20 June 2022. Joint ACAO/ICAO/IATA. (Completed)	2022 Completed Included in the Second MID-RASP Edition
		A3- Conduct Workshop/Webinar on Fatigue Risk Management and Mental Health Best Practices.	IATA, ACAO, and CANSO	1. Webinar organized on 9 June 2022 jointly between ACAO/IATA/CANSO. 2. An online Workshop conducted on FRMS jointly by ACAO and CAAS/SAA from 20 to 24 September 2021. (Completed)	2022 Completed Included in the Second MID-RASP Edition
		A4- Organize Team Resource Management Training Workshop/Webinar to share experience and best practices on TRM practical implementation.	ICAO, ACAO, IATA, CANSO, FAA, and States (TBD)	Postponed for 2023	2022 Included in the Second MID-RASP Edition

G2-SEI-06:	Impact of security on safety	A1- Circulate ICAO Doc 10084 Risk Assessment Manual for Civil Aircraft Operations Over or Near Conflict Zones.	ICAO	SL issued by ICAO July 2021. <i>(Completed)</i>	2021 Completed
		A2- Organize seminar/Symposium 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 and ACAO. Supported by IATA, CANSO, States (TBD)	To be included with the Civil-Military Cooperation Workshop. Postponed for 2023	2022 Included in the Second MID-RASP Edition
		A3- Encourage States to issue NOTAMs to share threats information emanated from conflict zones within their airspaces.	ICAO	<i>(Completed)</i>	2021 Completed
		A4- AIM forum NOTAM standardized template.	ICAO and IATA	Presented to AIM SG9 meeting in September. <i>(Completed)</i>	2022 Completed

Goal 3: Ensure the Appropriate Infrastructure is available to Support Safe Operations

.G3-SEI-01:	Certification of International Aerodromes	A1- Support States on the implementation of the ICAO Annex 14 requirements to achieve compliance with regards to Aerodrome Design and Operations, through Workshops/Training.	ICAO and ACI. Supported by ACAO	1. Training course conducted on implementing Annex 14, during period of 8-12 November 2020. 2. Online Workshop on airport certification conducted by ACAO during the period 25-28 October 2021. <i>(completed)</i>	2022 Completed Included in the second MID-RASP Edition
		A2- Enhance capacity building for States CAAs and Airport operators related to Aerodromes Certification through Workshops/Training	ICAO and ACI	Conducted Training on Aerodrome Certification 15-19 Nov 2021. <i>(completed)</i>	2022 Completed Included in the second MID-RASP Edition

		A3- Develop guidance material/ share best practices on Apron Management	States (UAE and Egypt)	Endorsed by the RASG-MID/9 and published on the ICAO Web Site. <i>(completed)</i>	2022 Completed
		A4 - Deployment of iPack on Aerodrome Re-Start	ICAO	iPack for Aerodrome Restart deployed for Syria. <i>(completed)</i>	2022 Completed
G3-SEI-02:	Establish Runway Safety Team (RST) at International Aerodromes	A1- Conduct of assistance missions by the Runway Safety Go-Team (RST)	ICAO. Supported RSP (Runway Safety Programme Partners)	Postponed for 2023	2022 Included in the second MID-RASP Edition
		A2: Support States to implement the Global Reporting Format Methodology through Workshops/trainings: (Action addressed under G1-SEI-02: Runway Excursion).	ICAO and ACI.	1. Webinar has been conducted on 27 Oct 20 2. ACI webinar on Implementing GRF at airports with non-winter conditions; dated 27 May 2021 3. Five customized training on GRF implementation conducted. <i>(completed)</i>	2022 Completed Included in the Second MID-RASP Edition
Goal 4: Expand the Use of Industry Programmes					
G4-SEI-01:	Promote the Use of industry Programmes	A1- Encourage IATA's IOSA and ISAGO registrations through safety promotion	IATA	6 States signed the MoU 2 potential States to be added to the list 2022. <i>(completed)</i>	2022 Completed Included in the Second MID-RASP Edition
		A2- Encourage the implementation of ACI Airport Excellence (APEX) in Safety Programme	ICAO and ACI	Postponed for 2023	2022 Included in the Second MID-RASP Edition

Goal 5: Implementation of Effective SSPs and SMSs

G5-SEI-01:	Implement an effective Safety Management	A1- Conduct ICAO SSP Training Course in Cairo	ICAO	SSP course planned for 18-23 September 2022. Postponed for 5-10 February 2023	2022 Included in the Second MID-RASP Edition
		A2- Conduct SSP Workshop in coordination with ACAO in Casablanca, Morocco	ICAO and ACAO	1. ACAO/ICAO SSP Implementation Workshop planned 23-27 May 2022. 2. An Event Risk Assessment webinar was delivered on 7 June 2021 organised by ICAO MID Office. <i>(completed)</i>	2022 Completed Included in the Second MID-RASP Edition
		A3- Provide SSP/SMS Workshops for MID States personnel	ICAO and ACAO	1. SSP Workshop conducted in Kuwait in March 20. 2. SMS implementation training online course jointly with Singapore CAAS 7-11 Feb 2022. <i>(completed)</i>	2022 Completed Included in the Second MID-RASP Edition
		A4- Develop guidance material/share best practices on occurrence reporting for the CAA personnel on establishing an effective operation of the mandatory and voluntary reporting systems	States (UAE)	WP and GM will be presented by UAE during this meeting. <i>(completed)</i>	2022 Completed
		A5- Support and guide States in the development of NASPs through Workshops and sharing of best practices	ICAO	1. ICAO organized series of RASP webinars: - MID-RASP Webinar conducted	2022 Completed Included in the

				<p>by ICAO on 25 May 2021.</p> <p>2. ICAO organized series of Webinars related to GASP/NASP:</p> <ul style="list-style-type: none"> - 16 March 2021: ICAO's Global Safety Strategy: the Global Aviation Safety Plan. - 30 March 2021: Introduction to the National Aviation Safety Plan. - 13 April 2021: Using the Roadmap to Develop a National Aviation Safety Plan. <p>3. SSP workshop conducted in Morocco including NASP</p> <p>4. Regional NASP Workshop Cairo</p>	Second MID-RASP Edition
		A6- Development of guidance/share best practices for the processes and procedures for oversight of SMS	States (UAE)	WP and GM will be presented by UAE during this meeting. (completed)	2022 Completed
		A7- Deployment of the Aviation Safety Risk Management iPack	ICAO	Completion of ASRM iPACK related to COVID-19 project with PACA Oman and conducted the closing meeting on 4 May 2021. <i>(Completed)</i>	2020 Completed
		A8- Conduct assistance missions by SMIT to support States with SSP implementation	SMIT.	SMIT Handbook endorsed by RASG-MID/9. <i>(Completed)</i>	2022 Completed Included in the Second MID-RASP Edition

Goal 6: Increase Collaboration at the Regional Level to Enhance Safety

To be developed in the future

Regional Operational Safety Risks

Goal 1: Achieve a Continuous Reduction in Operational Risks

G1-SEI-01:	Aircraft upset in flight (LOC-I)	A1- Guidance material on flight crew proficiency	IATA and Aircraft manufacturers	IATA will provide the tentative dates on Jan 2022 or Q1 2022	2022 Included in the Second MID-RASP Edition
		A2- Advisory Circular: Mode Awareness and Energy State Management Aspects of Flight Deck Automation	IATA and Aircraft manufacturers.	IATA will provide the tentative dates on January 2022 or Q1 2022	2022 Included in the Second MID-RASP Edition
		A3- Conduct Upset Recovery Workshop/webinar	ICAO, KSA, and FAA	ICAO, KSA, and FAA UPRT conducted in February 2020.	2022. Included in the Second MID-RASP Edition
		A4- Develop guidance material/share best practices on Ground Handling Service Provider Certification Process	IATA and KSA	Reviewed by ASPIG meeting and be presented to RASG-MID/10 for endorsement by RASG-MID/10. (completed)	2022. Completed
		A5- Conduct a Ground Handling Workshop	ACAO and ICAO. Supported by FAA	Ground handling Workshop back to back with Dangerous Goods Workshop planned to be held in Joint event ACAO/ICAO	2022 Completed To be conducted 12-15 December 2022 in Rabat
G1-SEI-02:	Runway Safety- Runway Excursion	A1- Support States to implement the Global Reporting Format (GRF) Methodology through Webinar/ Workshops/Training	ICAO and ACI. s	05 virtual GRF Training classrooms conducted for the MID Region States/Airport Operators.	2022 Completed Included in the Second MID-RASP Edition

		A2- Guidance material on un-Stabilized Approach	IATA.	GM on UA shared by IATA. Circulated to States. <i>(Completed)</i>	2022 Completed
		A3- MID Region Action Plan/Milestones on the Global Reporting Format (GRF) Implementation.	ICAO	Completed and submitted for the States.	2022 Completed Included in the Second MID-RASP Edition
G1-SEI-03:	Runway Safety- Runway Incursion	A1- Support States to implement aerodrome inspection through Workshops/Trainings/Webinars.	ICAO. Supported by FAA and UAE	Postponed for 2023	2022 Included in the Second MID-RASP Edition
G1-SEI-4:	Controlled Flight into Terrain (CFIT)	A1- Advisory Circular: Guidance for Operators to Ensure Effectiveness of GPWS Equipment.	IATA and Aircraft manufacturers	Draft to be presented to SEIG/4 for review. <i>(Completed)</i>	2022 Completed
		A2- Advisory Circular: Instrument Approach Procedures Using Continuous Descent Final Approach Techniques.	IATA and Aircraft manufacturers	IATA will provide the tentative dates on January 2022 or Q1 2022	2022 Included in the Second MID-RASP Edition
		A3- Circulate ICAO Guidance Doc 10000 on Flight Data Analysis Programme (FDAP) to support States providing oversight to air operators	ICAO	SL on ICAO Guidance Doc 10000 circulated by ICAO during July 2021. <i>(Completed)</i>	2022 Completed
		A4- Advisory Circular: Crew Resource Management Training Programme (CRM)	IATA, Aircraft manufacturers	IATA will provide the tentative dates on Jan 2022 or Q1 2022	2022 Included in the Second MID-RASP Edition
G1-SEI-05A1:	Loss of separation between civil and military aircraft”	A1- States and regional organizations to share occurrences and/or safety analysis/information related to Near Mid Air Collisions (NMACs) including to	ICAO. Supported by IATA, CANSO, and States	NMACs analysis to be provided by IATA to the ATM-SG for technical review and then the ATM-SG to provide recommendations for the next	2022 Proposed to be

		the “Loss of separation between civil and military aircraft” and ATM-SG to perform a technical analysis of the reported occurrences and and/or safety analysis/information and then come out with recommendations. The technical analysis of the reported occurrences and recommendations be shared with ASRG.		course of actions. The subject was also presented to the ATM SG/7 to raise awareness and urge the States and ORGs to share occurrences or safety analysis/information related to NMACs to enable the ATM SG to perform the technical analysis.	deleted
		A2: Guidance/raising awareness/ coordination related to the civil and military cooperation in particular over high seas.	ACAO and ICAO. Supported by States	Workshop planned to be 10 – 13 October 2022. Postponed for 2023	2022 Included in the Second MID-RASP Edition

G1-SEI-05A2:	Interference to GNSS Signals	A1: GNSS/GPS Interferences	ICAO and IATA	1. RSA developed and circulated in 2020 2. Safety Data analysis provided by IATA and included in the 11 th MID ASR. <i>(Completed)</i>	2022 Completed Included in the Second MID-RASP Edition
G1-SEI-05B:	Ensure the Safe Operations of UAS (drones)	A1- Circulate ICAO developed guidance and advisory circulars: Regulatory framework for the operation of drones to support states' CAA personnel in the implementation and oversight of UAS operations	ICAO	SL issued on the subject by ICAO MID office July 2021. <i>(Completed)</i>	2021 Completed
		A2- Organize symposium on Drones related subjects	ICAO, ACAO. Supported FAA	An ACAO-DfT-TSA Joint Virtual Workshop on Drones has been conducted the 9 & 10 Nov 21 with the attendance of more than 100 participants from 14 Arab States, 5 Regional Organizations and industry stakeholders. The symposium is postponed for 2023	2022 Included in the Second MID-RASP Edition
		A3- States and Regional Organizations to share occurrences and/or safety analysis/information involving drones to ASRG to perform a technical analysis of the reported occurrences and come out with recommendations.	ICAO, IATA, ACI, CANSO, and States (TBD)	IATA to provide safety information and safety analysis if available.	2022 Proposed to be deleted