



International Civil Aviation Organization

MIDANPIRG Air Traffic Management Sub-Group

Seventh Meeting (ATM SG/7)
(Virtual, 15 – 18 November 2021)

Agenda Item 3: Planning and Implementation issues related to ATM/SAR

SEIs RELATED TO ATM

(Presented by the Secretariat)

SUMMARY

This paper presents a progress report related to the implementation of the SEIs endorsed by the RASG-MID/8 related to ATM.

Action by the meeting is at paragraph 3.

REFERENCE(S)

- MIDANPIRG/18 & RASG-MID/8 Report (virtual meetings, 15 – 22 February 2021)
- SEIG/2 Report (virtual meeting, 25 May 2021)

1. INTRODUCTION

1.1 The RASG-MID and MIDANPIRG have been coordinating safety-related issues based on the outcome of the PIRG-RASG Global Coordination meeting (Montreal, 5 February 2015) and in accordance with the current Handbooks of each Regional Group.

1.2 The meeting may wish to recall the MID-RASP 2020-2022 Edition, including the Safety Enhancement Initiatives (SEIs) and their respective actions, was endorsed through RASG-MID/8 Conclusion 8/3.

1.3 SEIG/2 meeting reviewed the progress made on SEIs and its respective action(s), as at **Appendix A**.

2. DISCUSSION

2.1 The meeting may wish to note that G1-SEI-05A is related to Loss of separation between civil and military aircraft:

Action 1- States and regional organizations to share occurrences and/or safety analysis/information related to Near Mid Air Collisions (NMACs) including to the “Loss of separation between civil and military aircraft” and ATM-SG to perform a technical analysis of the reported occurrences and/or safety analysis/information and then come out with recommendations. The technical analysis of the reported occurrences and recommendations be shared with ASRG.

Action 2- Guidance/raising awareness/ coordination related to the civil and military cooperation in particular over high seas.

2.2 The meeting may wish to recall that MIDANPIRG/18 through Decision 18/31, tasked the *MID CMC/FUA Action Group* to review the newly published ICAO Doc 10088, in order to ensure that the regional requirements related to Civil Military Cooperation and implementation of FUA Concept, including State aircraft operations under Due Regard in particular over the high seas, are covered; and if necessary, draft, by 30 September 2021, complementary guidance.

2.3 The MID CMC/FUA Action Group conducted several meetings and continued to progress on its mandate through exchange of emails; however, the work has not yet been completed. One of the main reasons was the lack of data (occurrences and/or safety analysis/information related to Near Mid Air Collisions (NMACs) including to the “Loss of separation between civil and military aircraft; shared by States and international Organizations). Further details on the subject are contained in WP/10.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the progress achieved for the implementation of G1-SEI-05A and take action, as appropriate; and
- b) urge States and international Organizations to share occurrences and/or safety analysis/information related to Near Mid Air Collisions (NMACs) including to the “Loss of separation between civil and military aircraft”, in order to allow the ATM-SG to perform a technical analysis of the reported occurrences and and/or safety analysis/information and then come out with recommendations.

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, and OPS	ICAO	USOAP-CMA webinar conducted on 11 Feb 2021	2022
		A2- Conduct technical assistance and NCLB missions to States	ICAO		2022
		A3- Develop and implement a specific NCLB plan of actions	ICAO and concerned States		2022
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 States (TBD)	ARCM MOU Draft circulated to the States for their comments. The consolidated ARCM MOU Draft will be reviewed by the AIIG/1 meeting 7 Sep 2021 and to be presented to the DGCA-MID/6 for endorsement	2022
		A2- Conduct AIG Capacity Building Activities	ICAO and ACAO		2022
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)	Questionnaire Draft will be reviewed by the AIIG/1 meeting on 7 Sep 2021.	2021

G2-SEI-04:	Enhance State Oversight on Dangerous Goods	A1- Dangerous Goods (DG)workshop for States ‘inspectors	ICAO and ACAO. Supported by FAA	Dangerous Goods Workshop planned to be held in Casa Blanca during 6-8 Nov 2021	2021
		A2- Develop guidance material/share best practices to support States’ inspectors for the conduct of the oversight for DG	States (TBD)	ICAO MID Office to issue a State Letter requesting voluntary States to provide support on the safety action	2022
		A3- Develop guidance material and providing webinar on Lithium batteries	IATA		2022
		A4: Organize DG capacity building training	ICAO		2022
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		2022
		A2- Organize Crew Resource Management Training workshop to share experience and best practices on CRM practical implementation	ICAO and ACAO. Supported by IATA and KSA. KSA: presentation/case study to be delivered by a subject matter expert (HF Investigator). FAA to be confirmed		2022
		A3- Conduct workshop/webinar on fatigue risk management and mental Health best practices	IATA and ACAO. Supported by CANSO, IFALPA, Jordan, and KSA.		2022
		A4- Organize Team Resource Management Training workshop to share experience and best practices on TRM practical implementation	ICAO, ACAO, IATA, CANSO, FAA, and States (TBD)	Organize a coordination virtual meeting involving all stakeholders during the month of June or July 2021 to agree on the TRM activities and come out with the tentative plan	2022

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	To be circulated during 2021	2021
		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)	Follow up with MID Office Aviation security and facilitation	2022
		A3- Encourage States to issue NOTAMs to share threats information emanated from conflict zones within their airspaces	ICAO	Maintained as planned	2021
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	Training course conducted on implementing Annex 14, during period of 8-12 Nov2020	2022
		A2- Enhance capacity building for States CAAs and Airport operators related to aerodromes certification through Workshops/Training	ICAO and ACI		2022
		A3- Develop guidance material/ share best practices on Apron Management	States (UAE and Egypt)	Maintained as planned. Q4 2021	2021
		A4 – Deployment of iPack on Aerodrome Re-Start	ICAO	Maintained as planned	2021
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)		2022
		A2: Support States to implement the Global Reporting Format Methodology through workshops/trainings: (Action addressed under G1-SEI-02: Runway Excursion)	ICAO and ACI. Supported by CANSO, IATA, FAA and Aircraft Manufactures	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	2022

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		2022
		A2- Encourage the implementation of ACI Airport Excellence (APEX) in Safety Programme	ICAO and ACI		2022

Goal 5: Implementation of Effective SSPs and SMSs

G5-SEI-01:	Implement an effective Safety Management	A1- Conduct SSP training course in Cairo	ICAO	SSP course planned for 26 Oct- 1 Nov 2021	2021
		A2- Conduct SSP Workshop in coordination with ACAO in Casablanca, Morocco	ICAO and ACAO	-Postponed due to COVID-19 -An Event Risk Assessment webinar to be delivered on 7 June 2021organised by ICAO MID Office	2021
		A3- Provide SSP/SMS workshops for MID States personnel	ICAO. Supported by IATA, CANSO, ACI, and States (UAE)	SSP workshop conducted in Kuwait in March 20	2022
		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)	Guidance material structure has been drafted and an update to be presented to the SEIG/3 meeting	2022
		A5- Support and guide States in the development of NASPs through workshops and sharing of best practices	ICAO and States (UAE)	1. ICAO organizing series of RASP webinars. - MID-RASP Webinar conducted by ICAO on 25 May 2021 2. ICAO organized series of Webinars related to GASP/NASP: - 16 March 2021: ICAO's Global Safety Strategy: the Global Aviation Safety Plan.	2022

				- 30 March 2021: Introduction to the National Aviation Safety Plan - 13 April 2021: Using the Roadmap to Develop a National Aviation Safety Plan	
		A6- Development of guidance/share best practices for the processes and procedures for oversight of SMS	States (UAE)	Guidance material structure has been drafted and an update to be presented to the SEIG/3 meeting	2022
		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. Planned to be delivered during the year 2021	2020
		A8- Conduct assistance missions by SMIT to support States with SSP implementation	SMIT. Egypt, Saudi Arabia, Qatar and UAE. Supported by CANSO and IATA	SMIT Handbook is being drafted and be shared with SEIG/3 for review.	2022
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		2022
		A2- Advisory Circular: Mode Awareness and Energy State Management Aspects of Flight Deck Automation	IATA and Aircraft manufacturers. Supported by KSA		2022
		A3- Conduct Upset Recovery Workshop	ACAO, IATA, and ICAO. Supported by FAA to be confirmed. Host State to be confirmed	ICAO, KSA, and FAA UPRT Feb 20	2022
		A4- Develop guidance material/share best practices on Ground Handling Service Provider Certification Process	IATA and KSA	Maintained as planned. Q4 2021	2021

		A5- Conduct a Ground Handling workshop	ACAO and ICAO. Supported by IATA	Maintained as planned. Q4 2021	2021
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. Supported by CANSO, IATA, FAA and Aircraft Manufactures	Maintained as planned (Q4 2021)	2021
		A2- Guidance material on un-Stabilized Approach	IATA. Supported by CANSO and IFALPA		2022
		A3- MID Region Action Plan/Milestones on the Global Reporting Format (GRF) Implementation	ICAO	Maintained as planned (Q4 2021)	2021
G1-SEI-03:	Runway Safety- Runway Incursion	A1- Support States to implement aerodrome inspection through workshops/trainings/Webinars	ICAO. Supported by FAA and UAE		2022
G1-SEI-4:	Controlled Flight into Terrain (CFIT)	A1- Advisory Circular: Guidance for Operators to Ensure Effectiveness of GPWS Equipment	IATA and Aircraft manufacturers		2022
		A2- Advisory Circular: Instrument Approach Procedures Using Continuous Descent Final Approach Techniques	IATA and Aircraft manufacturers		2022
		A3- Circulate ICAO Guidance Doc 10000 on Flight Data Analysis Programme (FDAP) to support States providing oversight to air operators	ICAO	ICAO Guidance Doc 10000 to be circulated during 2021. Waiting ICAO to issue the final amended one.	2022
		A4- Advisory Circular: Crew Resource Management Training Programme (CRM)	IATA, Aircraft manufacturers		2022

G1-SEI-05A:	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 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.	ICAO. Supported by IATA, CANSO, and States	CANSO and IATA to provide the safety information and safety analysis	2022
		A2: Guidance/raising awareness/ coordination related to the civil and military cooperation in particular over high seas	ACAO and ICAO. Supported by States	Action Group was established, composed from experts from MID States (Bahrain, Egypt, Iraq Jordan, Oman, Qatar, Saudi Arabia, UAE) to review ICAO Doc 10088; and if necessary, to draft a supplementary regional guidance material.	2022
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	To be circulated on May 2021	2021
		A2- Organize symposium on Drones related subjects	ICAO, ACAO. Supported FAA	Planned to be held in Casa Blanca during 15-17 Dec 2021	2021
		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	2022