



International Civil Aviation Organization

Runway and Ground Safety Working Group

Fifth Meeting (RGS WG/5)
(Cairo, Egypt, 25-27 November 2018)

Agenda Item 3: Implementation of Aerodrome Safety Priorities and Objectives in the MID Region

STATUS OF THE MID REGION SAFETY TARGETS RELATED TO RGS

(Presented by the Secretariat)

SUMMARY
This paper presents the Safety Targets and Indicators related to RGS in the MID Region Safety Strategy. Action by the meeting is at paragraph 3.
REFERENCES
- RASG-MID/6 Report - RSC/6 Report

1. INTRODUCTION

1.1 The RASG-MID/6 meeting (Bahrain, 26 – 28 September 2017) endorsed the MID Region Safety Strategy (*Revision 5, September 2017*).

1.2 The Sixth meeting of the RASG-MID Steering Committee (RSC/6) was held at the ICAO Middle East Regional Office in Cairo, Egypt, 25 -27 June 2018. The RSC/6 meeting reviewed the MID Region Safety Strategy, which was endorsed by the RASG-MID/6 meeting and noted that the MID-SST/4 meeting initiated a brainstorming on the Safety Indicators and Targets related to the SSP and SMS implementation in the Region.

2. DISCUSSION

2.1 The current status of the different safety indicators included in the Strategy and the safety targets related to RGS is highlighted at **Appendix A**.

Aerodrome Certification Implementation

2.2 The meeting may wish to recall that there is variation in the level of Aerodromes Certification implementation in the MID Region. Some States have certified all their International Aerodromes achieving 100% Certification of Aerodromes listed in the MID eANP, whereas some other States have not certified any of their International Aerodromes and others have provided no information.

2.3 The meeting may wish to note that the ICAO MID Regional Office received request from Jordan to delete AMMAN/Marka Airport (OJAM) from the list of International Aerodromes. Accordingly, a Proposal for Amendment (PFA) to update the Table AOP I-1 was approved by the President of the Council on 21 February 2018. The current number of International Aerodromes in the MID Region is 58 Aerodromes.

2.4 The status of Aerodromes Certification implementation in the MID Region is at **Appendix B**. The Table shows that 59% of the International Aerodromes have been certified.

Runway Safety Teams Implementation

2.5 The meeting may wish to note that the MID RS Go-Team conducted four (4) visits, in coordination with the host States, to support the establishment of RSTs and aerodrome certification as well as other safety related issues that need to be addressed.

2.6 The aforementioned RS Go-Team Visits were successfully conducted to the following States:

- Sudan, Khartoum International Airport from 30 November to 04 December 2014;
- Kuwait, Kuwait International Airport from 15 to 18 February 2016;
- Jordan, Queen Alia International Airport in Jordan from 5 to 8 September 2016; and
- Oman, Muscat International airport from 29 October to 1st November 2018.

2.7 The meeting may wish to identify potential candidates for the RS Go-Team visits in the years 2019 & 2020.

2.8 RASG-MID/6 meeting noted that 33 RSTs were established at MID International Aerodromes, which represents 57%. The Table at **Appendix C** provides the list of MID International Aerodromes that established RST.

3. ACTION BY THE MEETING

3.1 The meeting is invited to review and update, as deemed necessary:

- a) the safety targets related to RGS at **Appendix A**;
- b) status of Aerodromes Certification implementation in the MID Region is at **Appendix B**; and
- c) status of implementation of RSTs at **Appendix C**.

APPENDIX A

**STATUS OF THE MID REGION SAFETY INDICATORS TARGETS
(SAFETY INDICATORS TARGETS RELATED TO RGS ARE SHADED IN GREEN)**

MID Region Safety Performance - Safety Indicators-Reactive

Safety Indicator	Safety Target	Average 2013-2017		2017	
		MID	Global	MID	Global
Number of accidents per million departures	Reduce/Maintain the regional average rate of accidents to be in line with the global average rate by 2016	2.49	2.6	1.45	2.42
Number of fatal accidents per million departures	Reduce/Maintain the regional average rate of fatal accidents to be in line with the global average rate by 2016	0.64	0.44	0	1.32
Number of Runway Safety related accidents per million departures	Reduce/Maintain the regional average rate of Runway Safety related accidents to be below the global average rate by 2016	1.18	1.22	0	1.12
	Reduce/Maintain the Runway Safety related accidents to be less than 1 accident per million departures by 2016	1.54			
Number of LOC-I related accidents per million departures	Reduce/Maintain the regional average rate of LOC-I related accidents to be below the global rate by 2016.	0	0.08	0	0.05
Number of CFIT related accidents per million departures	Reduce/Maintain the regional average rate of CFIT related accidents to be below the global rate by 2016.	0	0.02	0	0.02

Region Safety Performance - Safety Indicators-Proactive

Safety Indicator	Safety Target	MID	Remark
Regional average EI	Increase the regional average EI to be above 70% by 2020	70.47	Target Achieved
Number of MID States with an overall EI over 60%.	11 MID States to have at least 60% EI by 2020	10 States	
Number of MID States with an EI score less than 60% for more than 2 areas (LEG, ORG, PEL, OPS, AIR, AIG, ANS and AGA).	Max 3 MID States with an EI score less than 60% for more than 2 areas by 2017	7 States	
Number of Significant Safety Concerns	MID States resolve identified Significant Safety Concerns as a matter of urgency and in any case within 12 months from their identification. No significant Safety Concern by 2016 .	None	Target Achieved
Use of the IATA Operational Safety Audit (IOSA), to complement safety oversight activities.	a. Maintain at least 60% of eligible MID airlines to be certified IATA-IOSA at all times. b. All MID States with an EI of at least 60% use the IATA Operational Safety Audit (IOSA) to complement their safety oversight activities, by 2018.	57% (As of Sep 2017) 4 out of 10 States (40%)	
Number of certified international aerodrome as a percentage of all international aerodromes in the MID Region.	a. 50% of the international aerodromes certified by 2015. b. 75% of the international aerodromes certified by 2017.	58%	
Number of established Runway Safety Team (RST) at MID International Aerodromes.	50% of the International Aerodromes by 2020.	56%	

Region Safety Performance - Safety Indicators-Predictive

Safety Indicator	Safety Target	MID
Number of MID States, having completed the SSP gap analysis on iSTARS.	10 MID States by 2015	10 States
Number of MID States that have developed an SSP implementation plan.	10 MID States by 2015	8 States
Number of MID States with EI>60%, having completed implementation of SSP Phase 1.	All MID States with EI>60% to complete phase 1 by 2016 .	3 States (4 States-partially)
Number of MID States with EI>60%, having completed implementation of SSP Phase 2.	All MID States with EI>60% to complete phase 2 by the end of 2017 .	1 State (6 States-partially)
Number of MID States with EI>60%, having completed implementation of SSP Phase 3.	All MID States with EI>60% to complete phase 3 by the end of 2018 .	(7 States-partially)
Number of MID States with EI>60%, having completed implementation of SSP.	All MID States with EI>60% to complete SSP implementation by 2020	None
Number of MID States with EI>60% that have established a process for acceptance of individual service providers' SMS.	a. 30% of MID States with EI>60% by 2015. b. 70% of MID States with EI>60% by 2016. c. 100% of MID States with EI>60% by 2017.	75%

APPENDIX B

STATUS OF AERODROME CERTIFICATION IMPLEMENTATION IN MID REGION

	State	Number of Intl Aerodromes (AOP Table 1-1 -MID ANP)	Number of Certified Intl Aerodromes	Percentage Certified	List of Certified Intl Aerodromes	Remarks
1	Bahrain	1	1	100%	BAHRAIN/Bahrain Intl (OBBI)	
2	Egypt	7	5	71%	- CAIRO/Cairo Intl (HECA) - SHARM EL-SHEIKH/Sharm El Sheikh Intl (HESH) - HURGADA/Hurghada Intl (HEGN) - MARSALA/Marsa Alam Intl (HEMA) - ASWAN/Aswan Intl (HESN)	Certification Status for LUXER/Luxor Intl Airport (HELX) is to be verified
3	Iran	9	4	44%	- TEHRAN/Mehrabad Intl (OIII) - ZAHEDAN/Zahedan Intl (OIZH) - YAZD /Yazd Intl (OIYY) - ISFAHAN/Isfahan Int'l (OIFM)	Certification Status for: TEHRAN/IKIA Intl (OIIE) and BANDAR Abbas /Bandar Abbas Intl (OIKB) are to be verified
4	Iraq	6	2	33%	- BAGHDAD/Baghdad Intl (ORBI) - ERBIL/Erbil Intl (ORER)	Information to be verified
5	Jordan	2	2	100%	- AMMAN/Queen Alia Intl (OJAI) - AQABA/ King Hussein Intl (OJAQ)	
6	Kuwait	1	1	100%	KUWAIT/Kuwait Intl (OKBK)	
7	Lebanon	1	0	0%		
8	Libya	3	0	0%		
9	Oman	2	2	100%	- MUSCAT/Muscat Intl (OOMS) - SALALAH/Salalah (OOSA)	

	State	Number of Intl Aerodromes (AOP Table 1-1 -MID ANP)	Number of Certified Intl Aerodromes	Percentage Certified	List of Certified Intl Aerodromes	Remarks
10	Qatar	2	2	100%	- DOHA/Doha Intl (OTBD) - DOHA/Hamad Intl (OTHH)	
11	Saudi Arabia	4	4	100%	- DAMMAM/Kind Fahid Intl (OEDF) - JEDDAH/King Abdulaziz Intl (OEJN) - MADINAH/Prince Mohammad Bin Abdulaziz Intl (OEMA) - RIYADH/King Khalid Intl (OERK)	
12	Sudan	4	3	75%	-KHARTOUM/Khartoum (HSSS) - EL OBEID/EI Obeid (HSOB) - PORT SUDAN/Port Sudan (HSPN)	Certification Status for: NYALA/Nyala (HSNN) to be verified
13	Syria	3	0	0%		
14	UAE	8	8	100%	- ABU DHABI/Abu -Dhabi Intl (OMAA) - ABU DHABI/Al Bateen Intl (OMAD) - DUBAI/Dubai Intl (OMDB) - DUBAi/Al Maktoum Intl (OMDW) - AL AIN/Al Ain Intl (OMAL) - FUJAIRAH/Fujairah Intl (OMFJ) - RAS AL KHAIMAH/Ras Al Khaimah Intl (OMRK) - SHARJAH/Sharjah Intl (OMSJ)	
15	Yemen	5	0	0%		
	Total Certified	58	34	59%		MID Region Safety Target 75% by end of 2017

APPENDIX C

**Establishment of Runway Safety Teams (RSTs)
at International Aerodromes in the MID Region**

(Updated September 2017)

	State	Number of Int'l Aerodromes	Number of established Runway Safety Teams	List of Aerodromes having established Runway Safety Team
1	BAHRAIN	1	1	Bahrain/Bahrain Intl (OBBI)
2	EGYPT	7	4	- Cairo/Cairo Intl (HECA) - Sharm El Sheikh Intl (HESH) - Hurghada Int'l (HEGN) - Marsa Alam Intl (HEMA)
3	IRAN	9	6	- Tehran/Mehrabad Intl (OIII) - Tehran/ IKIA Intl (OIIE) - Zahedan/Zahedan Intl (OIZH) - Yazd /Yazd Intl (OIYY) - Isfahan/Isfahan Int'l (OIFM) - Bandar Abbas /Bandar Abbas Intl (OIKB)
4	IRAQ	6		
5	JORDAN	2	1	- Aqaba/King Hussein Intl (OJAQ)
6	KUWAIT	1	1	Kuwait/Kuwait Intl (OKBK)
7	LEBANON	1		
8	LIBYA	3		
9	OMAN	2	2	- Muscat/Muscat Intl (OOMS) - Salalah/Salalah (OOSA)
10	QATAR	2	2	- Doha/Doha Intl (OTBD) - Doha/Hamad Intl (OTHH)

	State	Number of Int'l Aerodromes	Number of established Runway Safety Teams	List of Aerodromes having established Runway Safety Team
11	SAUDI ARABIA	4	4	- Dammam/King Fahad Intl (OEDF) - Jeddah/King Abdulaziz Intl (OEJN) - Riyadh/King Khalid Intl (OERK) - Madinah/Prince Mohammad Bin Abdulaziz Intl (OEMA)
12	SUDAN	4	4	- Khartoum/Khartoum (HSSS) - El Obeid/El Obeid (HSOB) - Port Sudan/Port Sudan (HSPN) - Nyala/Nyala (HSNN)
13	SYRIA	3		
14	UNITED ARAB EMIRATES- UAE	8	8	- Abu Dhabi/Abu -Dhabi Intl (OMAA) - Abu Dhabi/Al Bateen Intl (OMAD) - Dubai/Dubai Intl (OMDB) - Dubai/Al Maktoum Intl (OMDW) - Al Ain/Al Ain Intl (OMAL) - Fujairah/Fujairah Intl (OMFJ) - Ras Al Khaimah/Ras Al Khaimah Intl (OMRK) - Sharjah/Sharjah Intl (OMSJ)
15	YEMEN	5		

Total Percentage

58

33
57%

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