



International Civil Aviation Organization

RASG-MID Steering Committee

Sixth Meeting (RSC/6)
(Cairo, Egypt, 25-27 June 2018)

Agenda Item 3: Regional Performance Framework for Safety

PROGRESS REPORT ON THE RGS SEIs / UPDATE ON THE IMPLEMENTATION
OF SEIs & DIPs
(Presented by the UAE)

SUMMARY

The paper provides an update on the Safety Enhancement Initiatives (SEIs) and Detailed Implementation Plans (DIPs) related to Runway and Ground Safety (RGS).

Action by the meeting is at paragraph 3.

REFERENCES

- RGS WG/3 (Cairo, Egypt, 19-22 September 2016) review of RGS SEIs and progress of DIPs
- RGS WG/4 (Cairo, Egypt, 5-7 November 2017) review of RGS SEIs and progress of DIPs
- RSC/5 (Amman, Jordan, 23 – 25 January 2017) endorsed additional RGS SEI

1. INTRODUCTION

1.1 According to ICAO data and the MID Annual Safety Report (MID-ASR), Runway Safety (RS) is confirmed to be the most frequent accidents at the global and Regional levels. Accordingly, RS remains as the first priority in the MID Region.

1.2 The IATA Safety Report for 2016 also identified Runway Excursion as one of its four primary areas of risk noting that these have accounted for the majority of accidents in the last five years. The report also notes the most occurring accident category for 2016 was Runway/Taxiway Excursions at 19%.

2. DISCUSSION

Update on MID-RAST/RGS/2

2.1 The UAE is the champion of MID-RAST/RGS/2, which focuses on *development guidance material and training programmes to support the creation of action plans by local aerodrome Runway Safety Teams (RST)*. The UAE has completed 100% of the DIP actions, as shown in **Appendix A**.

Update on MID-RAST/RGS/3

2.2 The UAE is the champion of MID-RAST/RGS/3, which focuses on *development guidance material and training programmes to support Aerodrome Infrastructure and Maintenance Management*. The UAE has completed 80% of the DIP actions and will conclude the remaining deliverable by end November 2018. The below paragraphs highlight the main actions related to this SEI.

2.3 In August 2015, the RGS WG provided ICAO MID a draft Circular regarding *Aerodromes Certification Toolkit*. This document is based on the certification model used by the UAE and included model regulation, oversight processes and supporting forms for both aerodrome operations and rescue firefighting services. The Circular was published by ICAO MID in September 2015 as RSA- 05.

2.4 In April 2016, the RGS WG prepared a draft Circular regarding *Guidance on Periodic Surveillance Audits of Aerodrome Infrastructure and Maintenance*, which provides stand-alone materials focussing on aerodrome safety oversight. This document is based on the experience and expertise of the UAE and includes model regulation, processes and supporting forms. The Circular was published by ICAO MID in August 2016 as RSA-10.

2.5 **Appendix B** provides a Summary of Actions and Planned Actions related to the MIDRAST/RGS/3 DIP.

Update on MID-RAST/RGS/4

2.6 Egypt is the Champion of MID-RAST/RGS/4, which focuses on *Aerodrome Safeguarding*. Egypt is supported by the UAE and Sudan in the development and implementation of the supporting DIP and has completed 100% of the DIP actions.

2.7 RSC/5 meeting endorsed the publication of MID-RSA, *Safeguarding of Aerodromes*, which provides materials focusing on aerodrome safety oversight. The Circular was published by ICAO MID in March 2017 as RSA-11.

2.8 Egypt successfully hosted the Aerodrome Safeguarding Workshop in Cairo from 4-6 December 2017 in Cairo, Egypt, from 4 to 6 December 2017. Details of the Workshop are included in WP/10 Outcome of the RGS WG/4.

2.9 **Appendix C** provides a Summary of Actions and Planned Actions related to MIDRAST/ RGS/4.

Update on MID-RAST/RGS/5

2.10 Sudan is the Champion of MID-RAST/RGS/5, which focuses on *Wildlife Management and Controls*. Sudan is supported by the UAE, Egypt, Oman, Bahrain and IFATCA in the development and implementation of the supporting DIP, which is 60% complete further to preparation of draft Wildlife Hazard Management Plan Template.

2.11 The RSA on *Wildlife Management Regulatory Framework & Guidance Materials* was endorsed during RASG-MID/6 and published as RSA-13 on 23 October 2017. (SL. Ref.: ME 4-17/292).

2.12 Sudan supported by Egypt and UAE completed a draft *Wildlife Hazard Management Plan Template*. The template was reviewed by RGS WG/4 and will be circulated to MID States as Appendix to RSA-13 for review before endorsement.

2.13 Sudan will host a Workshop on Wildlife Management Control from 4-6 September 2018 in Khartoum.

2.14 **Appendix D** provides a Summary of Actions and Planned Actions related to MIDRAST/RGS/5.

Update on MID-RAST/RGS/6

2.15 Egypt is the Champion of MID-RAST/RGS/6 focusing on *Laser Attacks*. The SEI is 100% complete further to preparation of draft Case Studies.

2.16 A revised version of the RSA on Laser Attacks Safety Guidelines was endorsed during RASG-MID/6 and republished on 23 October 2017. (SL. Ref.: ME 4-17/291 dated 23 October 2017).

2.17 The Case Studies were reviewed by RGS WG/4 and will be circulated to MID States as Appendix 1 to RSA-12 for review before endorsement.

2.18 **Appendix E** provides a Summary of Actions and Planned Actions related to MIDRAST/RGS/6.

Update on MID-RAST/RGS/7

2.19 The meeting will recall that RSC/5 endorsed development of a new SEI, which focuses on *Ground Handling Operations and Safety* (RSC/5 Draft Conclusion 5/2 refers).

2.20 RASG-MID/6 supported the SEI by inviting ICAO to consider the development of additional Ground Handling Operations provisions further to its Conclusion 6/6.

2.21 Adoption of ISAGO and IGOM for Ground Handling Operations and Development of Additional Ground Handling Operations Provisions was endorsed by RASG-MID/6 Conclusion 6/5 as follows:

That, States be invited to:

- a) *encourage airlines and aerodrome operators to implement the procedures contained in the IATA Ground Operations Manual (IGOM) for harmonization purpose and to improve safety of Ground Handling Operations; and*
- b) *use the IATA Safety Audit for Ground Operations (ISAGO) as a source of safety data, which provide complementary information for the safety oversight activities of ground handling operations services.*

2.22 RASG-MID/6 also supported by SEI by inviting ICAO to consider the expansion of the ICAO Runway Safety Programme (RSP) scope to include the movement area (including aprons) further to its Conclusion 6/7.

2.23 The DIP for this SEI includes development of an Advisory Circular on Apron Management Safety led by the UAE with support from Egypt and Saudi Arabia.

2.24 A Seminar/Training on “Ground Handling Safety” will also be hosted by UAE during the first quarter of 2019 and will be supported by ICAO, IATA and Ground Handlers.

2.25 **Appendix F** provides a Summary of Actions and Planned Actions related to MIDRAST/RGS/7.

New SEIs

2.26 RGS WG/4 identified three additional SEIs in relation the *ARFF and Emergency Planning, Safety Management System* and *Runway Excursions* further to Draft Conclusions 4/4 and 4/5 which are detailed in WP/10.

2.27 A summary of actions and planned actions related to the proposed SEI for ARFF and Emergency Planning (MIDRAST/RGS/8) with reference to RSC/6-WP/10 (RGS WG/4: Draft Conclusion 4/1: Survey on ARFF/AEP Level of Implementation) is included as **Appendix G**.

2.28 A summary of actions and planned actions related to the proposed SEI for Safety Management (MIDRAST/RGS/9) with reference to RSC/6-WP/10 (RGS WG/4: Draft Conclusion 4/4: Aerodrome SMS Compliance and Effectiveness Toolkit and Aerodrome SMS Training / Workshop) is included as **Appendix H**.

2.29 A summary of actions and planned actions related to the proposed SEI for Runway Excursions (MIDRAST/RGS/10) with reference to RSC/6-WP/10 (RGS WG/4: Draft Conclusion 4/5: Further Safety Enhancements Related to Runway Excursions) is included as **Appendix I**.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the progress achieved in the implementation of the DIPs related to MID-RASG RGS SEIs;
- b) endorse proposed DIPs related to the SEI for ARFF and Emergency Planning (MIDRAST/RGS/8) and note proposed DIP in **Appendix G**;
- c) endorse proposed DIPs related to the SEI for Safety Management (MIDRAST/RGS/9) and note proposed DIP in **Appendix H**;
- d) endorse proposed DIPs related to the SEI for Runway Incursion (MIDRAST/RGS/10) and note proposed DIP in **Appendix I**;
- e) encourage States to support the implementation of the RGS SEIs; and use the RASG-MID Safety Advisories, as appropriate, to enhance safety in the Region; and
- f) encourage States to participate in the Workshop on Wildlife Management Control from 4-6 September 2018 in Khartoum.

APPENDIX A

DIP Tracking for MID-RAST/RGS/2

Development guidance material and training programmes to support the creation of action plans by local aerodrome Runway Safety Teams (RST)

RGS/2 DIP Deliverable	Target Date	Status	Comments
✓ Develop and issue Stop Bar guidance documentation for consideration of LRSTs	End April 2014	Completed	RASG-MID Safety Advisory (RSA-01) circulated to States on 2 November 2014 (Ref: ME 4-14/253).
✓ Organise a Workshop for Regional RST Go-Teams	End June 2014	Completed	3 June 2014 – see <i>RASG-MID/4 WP/7 - Outcome of MID-RRSS/2</i> for details.
✓ Develop and issue regulatory framework supporting establishment of LRSTs	End September 2014	Completed	RASG-MID Safety Advisory (RSA-02) circulated to States on 20 January 2015 (Ref: ME 4-15/014).
✓ Develop and issue a model checklist for LRSTs	End December 2014	Completed	RASG-MID Safety Advisory (RSA-03) circulated to States on 16 March 2015 (Ref: ME 4-15/078).

APPENDIX B

DIP Tracking for MID-RAST/RGS/3

Development guidance material and training programmes to support Aerodrome Infrastructure and Maintenance Management

RGS/3 DIP Deliverable	Target Date	Status	Comments
✓ Conduct a MID-Regional Runway Safety Seminar	End June 2014	Completed	4 June 2014 – see <i>RASG-MID/4 WP/7 - Outcome of MID-RRSS/2</i> for details.
✓ Organise a Regional Aerodrome Certification Workshop	End June 2014	Completed	4 June 2014 - see <i>RASG-MID/4 WP/7 - Outcome of MID-RRSS/2</i> and <i>RASG-MID/4 WP/8 - Runway Safety Related Issues</i> .
✓ Develop a MID-Region Aerodrome Certification toolkit for States.	End March 2015	Completed	RASG-MID Safety Advisory (RSA-05) circulated to States on 10 September 2015 (Ref: ME 4-15/261).
✓ Develop and issue guidance material on periodic surveillance audits of Aerodrome Infrastructure and Maintenance	End March 2016	Completed	RASG-MID Safety Advisory (RSA-10) circulated to States on 22 August 2016 (Ref: ME 4-16/232).
Develop and issue guidance material as RSA on proactive oversight of Aerodrome Infrastructure Development	End November 2018 (RGS WG/5)	In Progress	RGS WG/4 requests to consider information presented in RGS WG/4 WP/12 presented by Egypt as part of RSA.

APPENDIX C

DIP Tracking for MID-RAST/RGS/4

Aerodrome Safeguarding

RGS/4 DIP Deliverable	Target Date	Status	Comments
✓ Safeguarding Guidance Toolkit	April 2016	Completed	RASG-MID Safety Advisory (RSA-11), Safeguarding of Aerodromes, was circulated to States on 29 March 2017 (Ref: ME 4-17/066).
✓ Regional Safeguarding Workshop	December 2017	Completed	The Workshop was hosted by Egypt in Cairo from 4-6 December 2017. Details of the Workshop are included in RSC/6 WP/10 regarding Outcome of the RGS WG/4.

APPENDIX D

DIP Tracking for MID-RAST/RGS/5

Wildlife Management Control

RGS/5 DIP Deliverable	Target Date	Status	Comments
✓ RSA for Regulatory Framework & Guidance Materials	October 2017	Completed	RASG-MID Safety Advisory (RSA-13) circulated to States on 23 October 2017 (SL. Ref.: ME 4-17/292).
Wildlife Hazard Management Plan Template	November 2017	Completed	The draft template presented to RGS WG/4 (Cairo, Egypt, 5-7 November 2017) with reference to WP/13. Template will be circulated to MID States as an Appendix to RSA-13 for review before endorsement.
Wildlife Management Control Workshop	September 2018	In Progress	Sudan will host the Workshop during 2018 as noted in Final Report of RGS WG/3.

APPENDIX E

DIP Tracking for MID-RAST/RGS/6

Laser Attacks

RGS/6 DIP Deliverable	Target Date	Status	Comments
✓ RSA for Guidance Material	March 2017	Completed	RASG-MID Safety Advisory (RSA-12) circulated to States on 29 March 2017 (Ref: ME 4-17/067).
✓ Amended RSA-12	October 2017	Completed	Revised RASG-MID Safety Advisory (RSA-12) circulated to States on 23 October 2017 (SL Ref: ME 4-17/291).
✓ ICAO to issue State Letter to promulgate regulations on Laser Attacks	September 2015	Completed	Letter issued by ICAO MID on 3 September 2015 (SL Ref: ME 4/1.2.1 - 15/243).
RSA with Case Studies	End December 2018	Completed	The draft content presented to RGS WG/4 (Cairo, Egypt, 5-7 November 2017) with reference to WP/13. Template will be circulated to MID States as an Appendix to RSA-12 for review before endorsement.

APPENDIX F

**DIP Tracking for MID-RAST/RGS/7
Ground Handling Operations and Safety**

RGS/7 DIP Deliverable	Target Date	Status	Comments
RSA for Aerodrome Apron Management	End March 2019	In Progress	Draft RASG-MID Safety Advisory for Aerodrome Apron Management, has been drafted by UAE and reviewed by Egypt to date.
Seminar on Ground Handling (Safety)	End March 2019	In Progress	Seminar on Ground Handling (Safety) be organized and hosted by UAE and supported by ICAO, IATA and ground handlers.

APPENDIX G

DIP Tracking for Proposed MID-RAST/RGS/8

ARFF and Emergency Planning

RGS/8 DIP Deliverable	Target Date	Status	Comments
Develop a survey on ARFF/AEP level of implementation	15 February 2018	In Progress	Reference RSC/6-WP/10 (RGS WG/4: Draft Conclusion 4/1: Survey on ARFF/AEP Level of Implementation
Present Survey Results to RGS WG for consideration of other required actions	End November 2018 (RGS WG/5)	In Progress	Reference RSC/6-WP/10 (RGS WG/4: Draft Conclusion 4/1: Survey on ARFF/AEP Level of Implementation

APPENDIX H

DIP Tracking for Proposed MID-RAST/RGS/9

Safety Management

RGS/9 DIP Deliverable	Target Date	Status	Comments
Organize SMS Training/Workshop	End November 2018 (RGS WG/5)	In Progress	Reference RSC/6-WP/10 (RGS WG/4: Draft Conclusion 4/4: Aerodrome SMS Compliance and Effectiveness Toolkit and Aerodrome SMS Training / Workshop
Develop Aerodrome SMS Compliance and Effectiveness Toolkit	End November 2018	In Progress	Reference RSC/6-WP/10 (RGS WG/4: Draft Conclusion 4/4: Aerodrome SMS Compliance and Effectiveness Toolkit and Aerodrome SMS Training / Workshop
Present Toolkit at the Aerodrome SMS Workshop	End November 2018	In Progress	Reference RSC/6-WP/10 (RGS WG/4: Draft Conclusion 4/4: Aerodrome SMS Compliance and Effectiveness Toolkit and Aerodrome SMS Training / Workshop

APPENDIX I

DIP Tracking for Proposed MID-RAST/RGS/10

Runway Excursions

RGS/5 DIP Deliverable	Target Date	Status	Comments
RSA for Monitoring and Reporting Runway Surface Conditions	End June 2018	In Progress	Reference RSC/6-WP/10 (RGS WG/4: Draft Conclusion 4/5: Further Safety Enhancements Related to Runway Excursions)
State Letter urging States to report the incidents on Annual Basis to the ICAO MID Office in conjunction with MID-ASRT.	End June 2018	In Progress	Reference RSC/6-WP/10 (RGS WG/4: Draft Conclusion 4/5: Further Safety Enhancements Related to Runway Excursions)

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