*International Civil Aviation Organization*

**First Meeting the Runway and Ground Safety Working Group (RGS WG/1)**

*(Cairo, Egypt, 7-9 April 2014)*

---

**Agenda Item 3:**     **Coordination between RASG-MID and MIDANPIRG in the area of Aerodrome Safety**

REVIEW AND UPDATE THE LIST OF AIR NAVIGATION SAFETY DEFICIENCIES
RELATED TO AERODROMES

*(Presented by the Secretariat)*

| SUMMARY |
|---|
| This working paper presents the deficiencies related to Runway and Ground Safety (RGS) and addresses any other deficiency related to aerodrome which needs coordination between RASG-MID and MIDANPIRG for review, update and remedial actions. |
| Action by the meeting is at paragraph 3. |

| REFERENCES |
|---|
| - AOP SG/9 Report |
| - MIDANPIRG/14 Report |
| - RASG-MID/3 Report |

## 1.    INTRODUCTION

1.1        The standard definition of deficiency adopted by the ICAO Council in November 2001 should be used as basis to avoid different interpretations of the problems raised, which could be classified as complaints/mission findings rather than deficiencies:

> *"A Deficiency is a situation where a facility, service or procedure does not comply with a regional air navigation plan approved by the Council, or with related ICAO Standards and Recommended Practices, and which situation has a negative impact on the safety, regularity and /or efficiency of International Civil Aviation."*

## 2.    DISCUSSION

2.1        The RASG-MID/3 Meeting (Kuwait, 27-29 January 2014) reviewed the global and regional developments, including the endorsement of the MID Region Safety Strategy by the DGCA-MID/2 meeting, and the outcome of the MIDANPIRG/14 meeting.  Accordingly, the RASG-MID/3 meeting agreed that SMS implementation as well as Runway Safety issues be fully addressed by

RASG-MID. Thus, all aerodrome safety issues, which represent the main activity of the MIDANPIRG AOP Sub-Group and ADCI Task Force would be transferred to RASG-MID.

2.2        The updating of the list of deficiencies, which is considered as a living document, is an on-going activity to reflect the identified/reported safety and air navigation deficiencies in the MID Region.   The updated list of deficiencies, as reported to MIDANPIRG, in the AOP field is at **Appendix A** to this working paper.

2.3        The meeting may wish to note that JMIDANPIRG/14 noted that the deficiencies related to the Safety Management System (SMS) implementation in the fields of AGA and ATM were removed from the MANDD, since they are addressed under the framework of the Middle East Regional Aviation Safety Group (RASG-MID) and USOAP-CMA. In this respect, the meeting underlined the need to reduce to the extent possible the interference between the air navigation deficiencies and USOAP-CMA findings.

2.4        MIDANPIRG/14 recognized also the need to review the methodology used for the prioritization of the air navigation deficiencies emphasizing that the deficiencies priority "U" have a **direct** impact on safety and require **immediate** corrective measures.

2.5        The meeting may wish to note the following Conclusion endorsed by MIDANPIRG/14:

> *CONCLUSION 14/32:        ELIMINATION OF AIR NAVIGATION DEFICIENCIES IN THE MID REGION*
>
> *That, States be urged to:*
>
> a) *use the MID Air Navigation Deficiency Database (MANDD) for the submission of requests for addition, update, and elimination of Air Navigation Deficiencies; and*
>
> b) *submit a Formal Letter to the ICAO MID Regional Office containing the evidence(s) that mitigation measures have been implemented for the elimination of deficiency(ies) when requesting the elimination of deficiency(ies) from the MANDD.*

## 3.        ACTION BY THE MEETING

3.1        The meeting is invited to:

a) review and update the identified deficiencies in the aerodrome field at **Appendix A** to this working paper;

b) propose necessary action with regard to para. 2.3 taking into consideration the list of USOAP PQs related to Aerodromes; and

c) reconsider the priorities assigned to the identified deficiencies in the Aerodrome field.

-----------------

## APPENDIX A

### Deficiencies in the Aerodrome Field

### BAHRAIN

| Item No | Identification | | Deficiencies | | | Corrective Action | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Requirement | Facilities/ Services | Description | Date First Reported | Remarks/ Rationale for Non-elimination | Description | Executing Body | Date of Completion | Priority for Action |
| | | | No Deficiencies Reported | | | | | | |

[1] Rationale for non-elimination:   "F"= Financial         "H"= Human Resources         "S"= State (Military/political)         "O"= Other unknown causes

**Deficiencies in the Aerodrome Field**

**EGYPT**

| Item No | Identification | | Deficiencies | | | | Corrective Action | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Requirement | Facilities/ Services | Description | Date First Reported | Remarks/ Rationale for Non-elimination | | Description | Executing Body | Date of Completion | Priority for Action |
| 1 | MID Basic ANP & FASID (Doc 9708) | Alexandria Int`l Airport | Runway is short and current distance is 7221 FT with runway all up weight maximum 68000kgs | Jul, 2004 | Cannot be served as an alternate | F O | Plan to extend Runway | Egypt | Jan, 2013 | A |
| 2 | Annex 14 Vol. 1.5.1, 1.5.2, 1.5.3 & 1.5.4 | Luxor, Aswan, Borg El Arab, Alexandria, ALamainTaba, El-Arish, Shark El Owenat, Port Said, St. Cathrine Intl. Airports | Implementation of Aerodrome Operations Safety Management | Nov, 2006 | - | F H | Need to establish a State safety programme and implement an SMS in order to achieve an acceptable level of safety in Aerodrome Operations. State: Implemented for 4 Airports .Cairo, Sharm El Sheikh,, Hurghada, Maersa Alam In Progress ASWAN, LuXer, Borg El-Arab, Taba, The rest is planned for Nov 2014 | Egypt | Nov, 2014 | U |

[1] Rationale for non-elimination:  "F"= Financial  "H"= Human Resources  "S"= State (Military/political)  "O"= Other unknown causes

| Item No | Identification | | Deficiencies | | | | Corrective Action | | | |
|---------|----------------|---|--------------|---|---|---|-------------------|---|---|---|
| | Requirement | Facilities/ Services | Description | Date First Reported | Remarks/ Rationale for Non-elimination | | Description | Executing Body | Date of Completion | Priority for Action |
| 3 | Annex 14 Vol. 1.4.1, 1.4.4 | Luxor, Aswan, Borg El Arab, Alexandria, Almaza, Taba, Alamain, El-Arish, Shark El Owenat, Port Said, St. Cathrine Intl. Airports | Implementation of Certification of Aerodromes used for international operations | Nov, 2006 | - | F H | Need to develop an Aerodrome Manual for each listed international aerodrome and insure it includes a safety management system prior to granting the aerodrome certificate.  State: implemented: Cairo, Sharm El-Sheikh,Hurghada, Mersa Alam, In Progress: Luxor,Aswan Borg Al-Arab, Taba The rest is planned for Nov 2014 | Egypt | Nov, 2014 | U |
| 4 | Annex 14 Vol. IFASID Table AOP-1MID/3 Rec. 1/3 | Alexandria Int`l Airport | No runway demarcation lines available on RWY 18/36, to identify the entry position to RWY 04/22 | May, 2007 | - | F | Runway is closed for extension and upgrade | Egypt | Jan, 2013 | U |

(1) Rationale for non-elimination:   "F"= Financial          "H"= Human Resources          "S"= State (Military/political)          "O"= Other unknown causes

**Deficiencies in the Aerodrome Field**

**IRAN**

| Item No | Identification | | Deficiencies | | | | Corrective Action | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Requirement | Facilities/ Services | Description | Date First Reported | Remarks/ Rationale for Non-elimination | | Description | Executing Body | Date of Completion | Priority for Action |
| 1 | Annex 14 Vol. 1.5.1, 1.5.2, 1.5.3 & 1.5.4 | Emam Khomaini, Mehrabad, Esfhan, Shahid Hashmi Nejad, Shiraz, Tabriz and Zahedan Intl. Airports | Implementation of Aerodrome Operations Safety Management | Nov, 2006 | - | F H | Need to establish a State safety programme and implement an SMS in order to achieve an acceptable level of safety in Aerodrome Operations | Iran | Jan, 2013 | U |
| 2 | Annex 14 Vol. 1.4.1, 1.4.3, 1.4.4 | Emam Khomaini, Mehrabad, Esfhan, Shahid Hashmi Nejad, Shiraz, Tabriz and Zahedan Intl. Airport, | Implementation of Certification of Aerodromes used for international operations | Nov, 2006 | - | F H | Need to establish an appropriate regulatory framework. Need to establish a criteria for the certification of aerodromes. Need to develop an Aerodrome Manual for each international aerodrome and insure it includes a safety management system prior to granting Certification of Aerodrome. | Iran | Jan, 2013 | U |

[1] Rationale for non-elimination:   "F"= Financial            "H"= Human Resources            "S"= State (Military/political)            "O"= Other unknown causes

**Deficiencies in the Aerodrome Field**

**IRAQ**

| Item No | Identification | | Deficiencies | | | | Corrective Action | | | |
|---------|-----------------|-----------------|-------------|------------------------|------------------------------------------|---|-------------|----------------|----------------------|-------------------|
| | **Requirement** | **Facilities/ Services** | **Description** | **Date First Reported** | **Remarks/ Rationale for Non-elimination** | | **Description** | **Executing Body** | **Date of Completion** | **Priority for Action** |
| 1 | Annex 14 Vol. 1.5.1, 1.5.2, 1.5.3 & 1.5.4 | Baghdad /Basrah/Erbil /Sulaymaniyah/ Al Najaf Int`l. Airports | Implementation of Aerodrome Operations Safety Management Implementation of Certification of Aerodromes used for international operations | Nov, 2006 | - | F H O | Need to establish a State safety programme and implement an SMS in order to achieve an acceptable level of safety in Aerodrome OperationsDec,   State: Dec 2010 except for Baghdad & Najaf June 2011 | Iraq | Dec, 2014 | U |
| 2 | Annex 14 Vol. 1.4.1, 1.4.3, 1.4.4 | Baghdad/ Basrah/ Erbil /Sulaymaniyah / Al Najaf  Intl. Airports | Implementation of Certification of Aerodromes used for international operations | Nov, 2006 | - | F H O | Need to establish an appropriate regulatory framework. Need to establish a criteria for the certification of aerodromes. Need to develop an Aerodrome Manual for each international aerodrome and insure it includes a safety management system prior to granting certification of aerodrome.   State: Dec, 2010 except for Baghdad & Najaf June 2011 | Iraq | Jan, 2014 | U |

[1] Rationale for non-elimination:   "F"= Financial          "H"= Human Resources          "S"= State (Military/political)          "O"= Other unknown causes

## Deficiencies in the Aerodrome Field

## JORDAN

| Item No | Identification | | Deficiencies | | | | Corrective Action | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **Requirement** | **Facilities/ Services** | **Description** | **Date First Reported** | **Remarks/ Rationale for Non-elimination** | | **Description** | **Executing Body** | **Date of Completion** | **Priority for Action** |
| 1 | Annex 14 Vol. 1.5.1, 1.5.2, 1.5.3 & 1.5.4 | Amman/Queen Alia, Amman/Marka, King Hussien/Aqaba Intl. Airports | Implementation of Aerodrome Operations Safety Management | Nov, 2006 | State Safety Programme has been established, SMS is implemented at King Hussein Int.l Aerodrome only. | S | Need to ensure implementation of SMS for aerodrome operations at Queen Alia, and Marka Int'l Aerodromes in order to achieve an acceptable level of safety | Jordan CARC | Sep, 2013 | U |

(1) Rationale for non-elimination:   "F"= Financial          "H"= Human Resources          "S"= State (Military/political)          "O"= Other unknown causes

**Deficiencies in the Aerodrome Field**

**KUWAIT**

| Item No | Identification | | Deficiencies | | | Corrective Action | | | |
|---------|----------------|--|--------------|--|--|-------------------|--|--|--|
| | **Requirement** | **Facilities/ Services** | **Description** | **Date First Reported** | **Remarks/ Rationale for Non-elimination** | **Description** | **Executing Body** | **Date of Completion** | **Priority for Action** |
| | | | | | No Deficiencies Reported | | | | |

(1) Rationale for non-elimination:   "F"= Financial          "H"= Human Resources          "S"= State (Military/political)          "O"= Other unknown causes

**Deficiencies in the AOP Field**

**LEBANON**

| Item No | Identification | | Deficiencies | | | | Corrective Action | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Requirement | Facilities/ Services | Description | Date First Reported | Remarks/ Rationale for Non-elimination | | Description | Executing Body | Date of Completion | Priority for Action |
| 1 | Annex 14 Vol. 1.4.1, 1.4.4 | R.B.H. Beirut Intl. Airport | Implementation of Certification of Aerodromes used for international operations | Nov, 2006 | - | F H | Need to develop an Aerodrome Manual for each international aerodrome and insure it includes a safety management system prior to granting the aerodrome certificate | Lebanon | Jan, 2013 | U |
| 2 | Annex 14 Vol. 1.5.1, 1.5.2, 1.5.3 & 1.5.4 | R.B.H. Beirut Intl. Airport | Implementation of Aerodrome Operations Safety Management | Nov, 2006 | - | F H | Need to establish a State safety programme and implement an SMS in order to achieve an acceptable level of safety in Aerodrome Operations | Lebanon | Jan, 2013 | U |

(1) Rationale for non-elimination: "F"= Financial  "H"= Human Resources  "S"= State (Military/political)  "O"= Other unknown causes

**Deficiencies in the AOP Field**

**OMAN**

| Item No | Identification | | Deficiencies | | | | Corrective Action | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Requirement | Facilities/ Services | Description | Date First Reported | Remarks/ Rationale for Non-elimination | | Description | Executing Body | Date of Completion | Priority for Action |
| 1 | Annex 14 Vol. 1.4.1, 1.4.4 | Muscat/ Salalah Intl. Airports | Implementation of Certification of Aerodromes used for international operations | Nov, 2006 | - | H | Need to devlope an Aerodrome Manual for each international aerodrome and insure it includes a safety management system prior to granting the aerodrome certificate | Oman | Dec, 2013 | U |
| 2 | Annex 14 Vol. 1.5.1, 1.5.2, 1.5.3 & 1.5.4 | Muscat/ Salalah Intl. Airports | Implementation of Aerodrome Operations Safety Management | Nov, 2006 | - | H | Need to establish a State safety programme and implement an SMS in order to achieve an acceptable level of safety in Aerodrome Operations | Oman | Dec, 2013 | U |

(1) Rationale for non-elimination:   "F"= Financial          "H"= Human Resources          "S"= State (Military/political)          "O"= Other unknown causes

**Deficiencies in the AOP Field**

**QATAR**

| Item No | Identification | | Deficiencies | | | Corrective Action | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **Requirement** | **Facilities/ Services** | **Description** | **Date First Reported** | **Remarks/ Rationale for Non-elimination** | **Description** | **Executing Body** | **Date of Completion** | **Priority for Action** |
| | | | No Deficiencies Reported | | | | | | |

[1] Rationale for non-elimination:   "F"= Financial              "H"= Human Resources            "S"= State (Military/political)            "O"= Other unknown causes

**Deficiencies in the AOP Field**

**SAUDI ARABIA**

| Item No | Identification | | Deficiencies | | | Corrective Action | | | |
|---------|----------------|--|--------------|--|--|-------------------|--|--|--|
| | **Requirement** | **Facilities/ Services** | **Description** | **Date First Reported** | **Remarks/ Rationale for Non-elimination** | **Description** | **Executing Body** | **Date of Completion** | **Priority for Action** |
| | | | No Deficiencies Reported | | | | | | |

[1] Rationale for non-elimination:   "F"= Financial            "H"= Human Resources          "S"= State (Military/political)          "O"= Other unknown causes

**Deficiencies in the AOP Field**

**SYRIA**

| Item No | Identification | | Deficiencies | | | | Corrective Action | | | |
|---------|----------------|--|--------------|--|--|--|-------------------|--|--|--|
| | Requirement | Facilities/ Services | Description | Date First Reported | Remarks/ Rationale for Non-elimination | | Description | Executing Body | Date of Completion | Priority for Action |
| 1 | Annex 14 Vol. IFASID Table AOP-1MID/3 Rec. 1/3 | Damascus int`l Airport | Apron lighting inadequate | Sep, 2003 | - | F H | Apron lighting is to be improved | Syria | Jan, 2013 | U |
| 2 | Annex 14 Vol. IFASID Table AOP-1MID/3 Rec. 1/3 | Damascus int`l Airport | Runway surface rough and damaged. Runway markings unsatisfactory | Sep, 2003 | - | F H | RWY Surface to be repaired and refurbished, Markings are to be improved | Syria | Jan, 2013 | A |
| 3 | Annex 14 Vol. IFASID Table AOP-1MID/3 Rec. 1/3 | Damascus int`l Airport | DAM/DVOR 116 MHZ Out of Service | Jun, 2004 | - | F | The VOR/DME to be replaced | Syria | Jan, 2013 | A |
| 4 | Annex 14 Vol. 1.4.1, 1.4.4 | Damascus, Aleppo, Bassel Al-Assad Int`l. Airports | Implementation of Certification of Aerodromes used for international operations | Nov, 2006 | - | F H | Need to devlope an Aerodrome Manual for each international aerodrome and insure it includes a safety management system prior to granting the aerodrome certificate | Syria | Jan, 2013 | U |
| 5 | Annex 14 Vol. 1.5.1, 1.5.2, 1.5.3 & 1.5.4 | Damascus, Aleppo, Bassel Al-Assad Intl. Airports | Implementation of Aerodrome Operations Safety Management | Nov, 2006 | - | F H | Need to establish a State safety programme and implement an SMS in order to achieve an acceptable level of safety in Aerodrome Operations | Syria | Jan, 2013 | U |

[1] Rationale for non-elimination:  "F"= Financial    "H"= Human Resources    "S"= State (Military/political)    "O"= Other unknown causes

**Deficiencies in the AOP Field**

**UAE**

| Item No | Identification | | Deficiencies | | | Corrective Action | | | |
|---------|----------------|---|--------------|---|---|-------------------|---|---|---|
| | **Requirement** | **Facilities/ Services** | **Description** | **Date First Reported** | **Remarks/ Rationale for Non-elimination** | **Description** | **Executing Body** | **Date of Completion** | **Priority for Action** |
| | | | | No Deficiencies Reported | | | | | |

[1] Rationale for non-elimination:   "F"= Financial        "H"= Human Resources        "S"= State (Military/political)        "O"= Other unknown causes

RGS WG/1-WP/13
**APPENDIX A**

A-14

**Deficiencies in the AOP Field**

**YEMEN**

| Item No | Identification | | Deficiencies | | | | Corrective Action | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Requirement | Facilities/ Services | Description | Date First Reported | Remarks/ Rationale for Non-elimination | | Description | Executing Body | Date of Completion | Priority for Action |
| 1 | Annex 14 Vol. 1.5.1, 1.5.2, 1.5.3 & 1.5.4 | Sanaa, Aden, Hodeibah, Taiz Intl. Airports | Implementation of Aerodrome Operations Safety Management | Nov, 2006 | - | F H | Need to establish a State safety programme and implement an SMS in order to achieve an acceptable level of safety in Aerodrome Operations | Yemen | Jan, 2013 | U |
| 2 | Annex 14 Vol. 1.4.1, 1.4.3, 1.4.4 | Sanaa, Aden, Hodeibah, Taiz Intl. Airports | Implementation of Certification of Aerodromes used for international operations | Nov, 2006 | - | F H | Need to establish an appropriate regulatory framework. Need to establish a criteria for the certification of aerodromes. Need to devlope an Aerodrome Manual for each international aerodrome and insure it includes a safety management system prior to granti | Yemen | Jan, 2013 | U |

-END-

[1] Rationale for non-elimination:   "F"= Financial          "H"= Human Resources          "S"= State (Military/political)          "O"= Other unknown causes