

# INTERNATIONAL CIVIL AVIATION ORGANIZATION

#### MIDDLE EAST REGIONAL OFFICE

#### AERODROME SAFEGUARDING WORKSHOP

(*Cairo*, *Egypt*, 4 - 6 *December* 2017)

### SUMMARY OF DISCUSSIONS

## I. GENERAL

#### 1.1 Place and Duration

1.1.1 The Aerodrome Safeguarding Workshop graciously hosted by the Egyptian Civil Aviation Authority, was successfully held in Cairo, Egypt, from 4 to 6 December 2017.

## 1.2 **Opening**

1.2.1 The Workshop was opened by Mr. Hany El-Adawy, President of the Egyptian Civil Aviation Authority and Mr. Mohamed Khalifa Rahma, Regional Director, ICAO Middle East Office.

#### 1.3 Attendance

1.3.1 The Workshop was attended by a total of forty-five (45) participants from seven (7) States (Egypt, Lebanon, Saudi Arabia, Sudan, Togo, United Arab Emirates and Yemen) and one International Organization (IFATCA). The list of participants is at **Attachment A**.

## 1.4 Work Programme

- 1.4.1 The Work Programme was developed around the main following topics:
  - Safeguarding Aerodromes: Requirements, Regulations and Implementation;
  - Obstacle Identification, Assessment and Mitigation; and
  - Managing Aerodrome Safeguarding Data activities.
- 1.4.2 The Work Programme and the presentations delivered during the Workshop are available at the ICAO MID Regional Office website: https://www.icao.int/MID/Pages/Meetings/meetings2017.aspx

# 1.5 **Objective**

1.5.1 The Workshop was organized in support of the MID Regional Aviation Safety Team (MID-RAST) Safety Enhancement Initiative (MID-RAST/RGS/4) under the RASG-MID framework. The main objective of the Workshop was to exchange information, experience and best practices, related to aerodrome safeguarding processes, including analysis of obstacles, assessment, mitigations, data management and quality control for sustainability. The Workshop also provided the aerodrome operators and authorities with necessary skills on land use development, whilst ensuring the ongoing safety of aircraft operations.

# 1.5.2 The Seminar/Workshop provided an opportunity to:

- present and share experience/best practices of Egypt, UAE and Lebanon on Aerodrome Safeguarding process, case studies and challenges for effective implementation of ICAO SARPs and national regulations relevant to aerodrome safeguarding;
- review methodologies for obstacles safety assessments and different mitigation measures; and
- share experience/best practices for managing aerodrome safeguarding data and quality management control requirements.

## II. SUMMARY AND OUTCOME OF DISCUSSIONS

- 2.1 The Workshop discussed and acknowledged the following:
  - High-level commitment and collaboration from all parties are essential for effective aerodrome safeguarding and land use development without compromising safety of aircraft and aerodrome operations.
  - ICAO SARPs, guidance material relevant to Aerodrome Safeguarding were highlighted. Information was shared on UAE and Egypt regulations and implementation by Aerodrome Operators.
  - Sharing of best practices and experiences on Aerodrome Safeguarding processes, OLS
    Modeling, Obstacle types and impact, Data Collection, Obstacle spot checking
    supported by a visit to the Egyptian Safeguarding Laboratory, Aeronautical studies and
    Safety Assessment and mitigation measures.
  - Competencies of Surveyors were highlighted.
  - Contribution of Academic Institutions (Aeronautics/GIS) to aerodrome safeguarding on Integrating Terrain and Objects Data with OLSs was presented as a best practice from a State (Lebanon).
  - Topics on aerodrome data reported to AIM, aerodrome mapping data, database management and quality control requirements were overviewed. Land use hazards' case studies were also presented considering both aerodrome regulators' and aerodrome operators' perspectives.

- The Workshop ended by a full session discussion panel, the MID Regional Officer AIM contributed to the answers to queries on Digitizing Aerodrome Mapping Data, Data Management and QMS requirements.
- 2.2 Based on the above, the Workshop developed the following recommendations:
  - a) Information sharing, and exchange of experience should be continued through workshops/trainings on aerodrome safeguarding procedures, data quality requirements and data management, safety assessment and mitigation measures.
  - b) ICAO to consider development of guidance material on:
    - aerodrome data quality specifications and quality management system requirements;
    - identification of OLSs related to Aerodromes with more than one runway having different elevations of their thresholds of more than 10 meters; and
    - digitalization of aerodrome mapping data and terrain and obstacle data requirements.
  - c) Information on eTOD implementation in the MID Region and development of national eTOD policy was requested.

## II. CLOSING

- 3.1 In closing, Mr. Hany Al-Adawy thanked ICAO MID Regional Office and the honorable speakers from ICAO, Egypt, Lebanon and UAE for their contributions to the success of the Workshop. The ICAO AGA Expert thanked the participants for their presence and expressed her gratitude to Egypt for hosting the Workshop and for Eng. Angie Ahmed Abd Allah, Egypt, Ms. Michelle Helen Soliman, UAE and Dr. Oussama Jadayel, Director, Balamand Institute of Aeronautics, University of Balamand, Lebanon for their excellent technical support provided to the Workshop.
- 3.2 The participants recognized the usefulness of the event and expressed their thanks to ICAO for organizing such a fruitful and very successful Workshop.

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# LIST OF PARTICIPANTS

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<u>STATES</u>	
EGYPT	
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YEMEN	
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ORGANIZATIONS/INDUSTRIES	
IFATCA	
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