



*International Civil Aviation Organization*

**MIDANPIRG STEERING GROUP**

**Sixth Meeting (MSG/6)**  
**(Cairo, Egypt, 3 - 5 December 2018)**

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**Agenda Item 5.3: Specific Air Navigation issues**

**CYBER SECURITY**

*(Presented by the Secretariat)*

**SUMMARY**

This paper presents the cyber security progress in the Region and proposes organizing Cyber Security and Resilience Seminar for Aviation Security and safety streams.

Action by the meeting is at paragraph 3.

**1. INTRODUCTION**

1.1 The twelfth amendment of Annex 17 included provisions to further strengthen Standards and Recommended Practices in order to address new and emerging threats to civil aviation. The amendment included, inter-alia, deployment of security equipment; security of air traffic service providers; and cyber threats.

1.2 The 39th Session of the ICAO Assembly called for a coordinated approach to cybersecurity. The Resolution A39-19; sets out the actions to be undertaken by States and other stakeholders to counter cyber threats to civil aviation through a cross-cutting, horizontal and collaborative approach.

**2. DISCUSSION**

2.1 The future ATM would extensively rely on data exchange and system interoperability; the ATM data security becomes crucial to the continuity of the ATM operations.

2.2 In this vein, MIDANPIRG/16 through Decision 16/26 agreed to establish the ATM DATA Security Action Group (ADSAG) to develop the MID Region ATM Data Security Plan.

DECISION 16/ 26: ATM DATA SECURITY ACTION GROUP

That, the ATM Data Security Action Group (ADSAG) be:

- a) established to develop the MID Region ATM Data Security Plan, to be presented to the CNS SG/8; and
- b) composed of members from Bahrain, Iran, Kuwait, Oman, Saudi Arabia, UAE (Rapporteur), ICAO and IFAIMA

2.3 The ADSAG has been working to develop the MID Region ATM Data Security plan. The plan would include the following parts:

- a) Security Regulations;
- b) Physical Security
- c) ICT Cyber Security baseline
- d) Disaster Recovery

2.4 The meeting may recall that UAE presented the Minimum Security Baseline documents (MSBs) to the CNS SG/8 meeting. The meeting reviewed and agreed that the MSBs be included to the MID Region ATM Data Security as ICT Cyber Security Baseline.

2.5 The ANSIG/3 meeting recognized the need to strengthen the Regional collective ability to detect and defend against malicious activities, by sharing information about adversaries and their behaviours through the Security portal developed by UAE. the Portal has been developed to allow ANSPs to report cyber events, as well as to share knowledge and information on cyber security incidents. Therefore, the meeting is invited to endorse the following draft conclusion:

*DRAFT CONCLUSION 3/11: ATM DATA CYBER SECURITY (ADCS) PORTAL*

*That;*

- a) *the ADCS Portal be used as a prototype platform for ATM cyber security; and*
- b) *States be encouraged to:*
  - i. *register on the ADCS Portal,*
  - ii. *provide feedback to the ADCS Admin by 29 November 2018 for further enhancements; and*
  - iii. *share their experience related to Cyber Security, through the ADCS Portal.*

2.6 In order to enrich cyber Security awareness in the Region and strengthen the ability to prepare for, respond to and recover from a cyber-attack; a Cybersecurity & Resilience Seminar is planned for 2019. The Seminar will address; inter-alia, the Cyber Security Regulatory Framework; Cyber Risk Management; Infrastructure and information Security; Proactive cyber defence; Incident management and Resilience Techniques. Therefore, the meeting is invited to agree to the following Draft Conclusion:

*DRAFT CONCLUSION 6/XX: CYBER SECURITY AND RESILIENCE SEMINAR*

*That, in order to enrich the cyber security awareness and strengthen the cyber resilience in the MID Region, ICAO organise a Cyber Security and Resilience Seminar in 2019.*

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to endorse, as appropriate, the Draft Conclusions.