International Civil Aviation Organization

MIDANPIRG Communication, Navigation and Surveillance Sub-Group

Ninth Meeting (CNS SG/9)
(Cairo, Egypt, 19 – 21 March 2019)

Agenda Item 4:   **CNS planning and implementation in the MID Region**

ATM DATA CYBER SECURITY

(Presented by the Secretariat)

SUMMARY
This paper presents the Cyber Security activities in the MID Region and invite the meeting to develop Terms of Reference to the ADSAG.
Action by the meeting is at paragraph 3.

REFERENCES
-   MSG/6 Report

1.   INTRODUCTION

1.1   MIDANPIRG/16, through Decision 16/26, established the ATM DATA Security Action Group (ADSAG) to develop the MID Region ATM Data Security Plan.

2.   DISCUSSION

2.1   Considering the wide scope of the task, MSG/6 meeting agreed that the CNS SG/9 might develop detailed Terms of Reference for the ADSAG or Action Plan for the development of the MID Region ATM Data Security Plan.

2.2   The ADSAG agreed that the MID Region ATM Data Security Plan outline would be as follow:

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

2.3   UAE took the lead for the MID Region to develop, in co-ordination with other States, a security baseline for the various systems in use. The Minimum Security Baseline documents (MSBs) were presented during the CNS SG/8 meeting. Furthermore, it was agreed that the MSBs would be included in the MID Region ATM Data Security Plan as ICT Cyber Security Baseline.

2.4   The ATM Cyber Security has a wide scope, and should cover the security aspects of all ANS systems and infrastructure.

2.5   In order to strengthen the Regional collective ability to detect and defend against malicious activities, by sharing information about adversaries and their behaviours, the UAE developed and hosted the ATM Data Security Portal (ADCS). The ADCS portal is not intended to be a comprehensive solution for cyber security but rather a platform where cyber events can be logged, information related to Cyber-attacks shared and discussions held on various cyber topics on the forum.

2.6   The ADSC access will be restricted to approved ANSP/industry users only, therefore, MSG/6 agreed that MID States assign ADCS focal points. Other users from the Region can register online; the official emails will be used for verifying Registration.

2.7   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 Symposium be organized in October 2019. The Symposium will address; inter-alia, the Cyber Security Regulatory Framework; Cyber Risk Management; Infrastructure and information Security; Proactive cyber defence; Incident management and Resilience Techniques.

MSG CONCLUSION 6/34: 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 jointly with ACAO.

2.8   MSG/6 realised the need for Cyber Security Subject Matter Expert (SME) in the MID States, as Security is one of the fast-evolving and complex area. States should include Cyber Security training to their Training plan.

MSG CONCLUSION 6/35: CYBER SECURITY SUBJECT MATTER EXPERT

That, in order to strengthen States' Cyber-resilience capabilities in the MID Region States be invited to ensure that they have qualified/trained Cyber Security Subject Matter Experts.

2.9   ICAO MID Office circulated a follow up State letter on MSG Conclusions 6/33 and 6/35 Ref. AN 7/36 – 19/042 on 11 February 2019.

3.   ACTION BY THE MEETING

3.1   The meeting is invited to:

a) develop terms of reference for the ADSAG; and

b) urge States to participate actively in the Cyber Security and Resilience Symposium 15-17 October 2019.

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