



International Civil Aviation Organization

MIDANPIRG/17 and RASG-MID/7 Meeting

(Cairo, Egypt, 15 – 18 April 2019)

Agenda Item 6.2: Air Navigation Planning and Implementation

CYBER SECURITY ISSUES

(Presented by the Secretariat)

SUMMARY

This paper presents an update on the Cyber Security activities in the MID Region and proposes to rename the ATM Data Security Action Group to be Air Navigation Services Cyber Security Working Group (ACS WG) with Terms of Reference as at **Appendix A**.

Action by the meeting is at paragraph 3

REFERENCES

- ANC/13 Report
- CNS SG/9 Report
- MSG/6 Report

1. INTRODUCTION

1.1 The MIDANPIRG/16 meeting recognised that the future ATM would extensively rely on data exchange, and that the ATM data security becomes crucial to the continuity of the ATM operations. MIDANPIRG/16 meeting, through Conclusion 6/26, agreed to establish the MID Region ATM Data Security Action Group (MID ADSAG) to develop the MID Region ATM Data Security Plan.

2. DISCUSSION

2.1 The meeting may wish to recall that 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 CNS SG/9 meeting reviewed the AN-Conf/13 Recommendation (5.4/1) regarding the Cyber Resilience, and agreed that the Group Work should cover the Cyber Security for all Air Navigation Systems. Therefore, the CNS SG/9 meeting agreed that the ADSAG be renamed as ANS Cyber Security Working Group (ACS WG).

2.3 The meeting may wish to recall that UAE developed and hosted the ATM Data Security Portal (ADCS) in order to strengthen the regional collective ability to detect and defend against malicious activities, by sharing information about adversaries and their behaviours. The ADCS Portal has been recently enhanced with significant changes to the site, and included a new forum, which is far more user-friendly and allows users to share knowledge and interact with one another online. The ADCS Portal link is www.adcsportal.ae.

2.4 The meeting may wish to recall MSG Conclusion 6/34 regarding the Cyber Security and Resilience Symposium:

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 organize a Cyber Security and Resilience Seminar in 2019 jointly with ACAO.

2.5 The Cyber Security and Resilience Symposium will be held in Jordan, 15-17 October 2019. The Symposium will address; inter-alia, the Cyber Security threats for Security and Safety streams; Cyber Risk Management; Infrastructure and information Security; Proactive cyber defence; Incident management and Resilience Techniques.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) urge the ADCS focal points and all relevant personnel to register to the ADCS portal and share experience regarding Cyber events;
- b) urge States to actively participate in the Cybersecurity & Resilience Symposium 15-17 October 2019; and
- c) agree to the following Draft Decision to replace and supersede the MIDANPIRG Conclusion 16/26:

Why	To manage the ANS Cyber Security issues in the MID Region and assist/guide States in improving ANS systems' cyber resiliency.
What	Endorsement of the ANS Cyber Security Working Group Terms of Reference.
Who	MIDANPIRG/17
When	April 2019

DRAFT MIDANPIRG CONCLUSION 17/XX: ANS CYBER SECURITY WORKING GROUP

*That, the ATM Data Security Action Group be renamed ANS Cyber Security Working Group (ACS WG) with Terms of Reference as at **Appendix A**.*

APPENDIX A

Air Navigation Services Cyber Security Working Group (ACS WG)

1. TERMS OF REFERENCE (TOR)

- a) promotes cybersecurity awareness throughout the ANS community;
- b) develop consolidated ANS cyber security plan in the MID Region;
- c) develop a comprehensive understanding of the cyber vulnerabilities across the ANS systems, and develop policies, proactive approaches and measures to protect the ANS System;
- d) encourage collaboration and exchange between States and other stakeholders for the development of an effective and coordinated Regional framework to address the challenges of cybersecurity in civil aviation;
- e) review and update the content of the ADCS Portal and provide suggestions for improvement;
- f) review and monitor cyber security incidents related to ANS, their causes, resolutions and development of defenses for future prevention;
- g) collaborate with relevant ICAO Groups and International Organizations to address ANS Cyber Security; and
- h) provide regular progress reports to the CNS SG and MIDANPIRG concerning its work programme.

2. COMPOSITION

- a) ICAO MID Regional Office;
- b) MIDANPIRG CNS Sub Group Chairpersons;
- c) Members appointed by the MIDANPIRG member States; and
- d) other representatives, who could contribute to the activity of the Working Group, could be invited to participate as observers, when required.

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