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WORKING PAPER

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THIRTEENTH AIR NAVIGATION CONFERENCE

Montréal, Canada, 9 to 19 October 2018

COMMITTEE A

Agenda Item 5: Emerging issues

5.4: Cyber resilience

ATM DATA AND CYBER SECURITY PORTAL

(Presented by the United Arab Emirates)

EXECUTIVE SUMMARY

This paper is to present the prototype air traffic management (ATM) data and cyber security portal that has been developed by the United Arab Emirates.

1. INTRODUCTION

1.1 Effective cyber security measures are an essential part of today's ATM systems and safeguarding the respective individual systems are vital in maintaining safe and secure operations.

1.2 The General Civil Aviation Authority (GCAA) of the United Arab Emirates is constantly looking at innovative ways of providing a safe and secure civil aviation system and part of this is by enhancing resilience and improving knowledge with respect to the ever growing threat posed by cyber-attacks.

1.3 One of the enhancements developed was a multiplatform online portal which allows the reporting of events pertaining to cyber threats and attacks as well as the sharing of knowledge.

2. DISCUSSION

2.1 The prototype Global Cyber Awareness Portal, developed by the United Arab Emirates, was first demonstrated by the GCAA at the 2017 ICAO Cyber Summit and Exhibition.

2.2 Following this event several enhancements were made to the portal and the name was changed to the ATM Data and Cyber Security portal.

2.3 This prototype portal is not a cybersecurity solution but rather a platform where cyber events can be logged, information related to cyber-attacks shared and discussions held on various cyber topics on a dedicated forum.

2.4 The portal has been presented at various Middle East (MID) Region meetings and States have been asked to register and provide feedback on enhancements to the portal.

2.5 To access the full content of the portal a registration process is required and to ensure this is not abused by outside users, access will be restricted to approved air navigation services provider (ANSP)/industry users only.

2.6 Access will be requested via a signup form provided on the portal and once approved, we will provide the user credentials to the respective applicant.

2.7 Usage of the portal will be monitored to ensure user compliance and prevent misuse of the portal.

2.8 Currently this portal is hosted on a dedicated, isolated server and all registered users have until the end of Q1 2019 to provide feedback on enhancements to the portal and thereafter the respective updates will be done.

2.9 Current enhancements under development include:

- a) an updated and more comprehensive forum;
- b) a more robust backend configuration; and
- c) an enhanced ticket management system.

2.10 The portal is accessible on www.adcsportal.ae and various information and links can be found related to cyber security and portal issues can be reported to adcs@szc.gcaa.ae.

3. CONCLUSION

3.1 There is no 100 per cent secure cyber solution available however having the best possible processes and diligence in place will greatly improve our resilience to attacks and ensure safe air navigation services.

3.2 The Conference is invited to:

- a) note the contents of the information paper; and
- b) note that the United Arab Emirates is requesting States to register on the site and provide feedback on enhancements to this prototype portal by the end of Q1 2019.