

الهيئة العامة للطيران المدني  
GENERAL CIVIL AVIATION AUTHORITY



# ATM Data and Cyber Security Portal (ADCS)

MSG/6, Cairo, Egypt 3-5 Dec 2018

**United Arab Emirates**



# Outline

- Introduction
- ATM Data & Cyber Security Portal
- ADCS Portal
- ADCS Portal Enhancements
- Conclusion



# Introduction

With the continuous evolution of ATM systems and the interconnectivity enhancements throughout the region it is essential to ensure that adequate cyber security measures are in place.

As per the Annex 17, Doc 4444 and as per MIDANPIRG 16/26 decision the ATM Data and Security Action Group (ADSAG) was established with the UAE taking the lead for the Mid region to develop, in co-ordination with the other states, a security baseline for the various systems in use.

As part of this security initiative 7 Minimum Security Baseline (MSB) documents were created which cover the various technologies and systems in use within our industry.



# Introduction

These documents were presented in WP 12 at this year's CNS SG/8 and are currently under review by the members of the ADSAG.

The MSB's will then be presented at the MIDANPIRG 17 for review and endorsement.

As a further enhancement to the MSB's an online portal, known as the ATM Data and Cyber Security Portal, has been developed by the UAE to allow ANSP's and other stakeholders to report cyber events as well as share knowledge and information on cyber security incidents.



# ATM Data & Cyber Security Portal

- This prototype 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.
- To ensure this is not abused by outside users, access will be restricted to approved ANSP/industry users only.
- Access will be requested via a template provided on the website and once approved, we will provide the user credentials to the respective applicant.
- Usage of the portal will be monitored to ensure user compliance and prevent misuse of the portal.
- This prototype portal will be undergoing testing and enhancements, based on feedback from users until Q1 2019.




# ATM Data & Cyber Security Portal

- This portal has been developed from scratch and is fully customizable.
- We will be hosting the site on a dedicated, secured server at SZC and access and site issues can be reported to the [adcs@szc.gcaa.ae](mailto:adcs@szc.gcaa.ae).
- The address for this portal is <https://www.adcsportal.ae>
- The planned implementation date for the portal will be will be in conjunction with MIDANPIRG 17 decision.




# ADCS Portal – Home Page



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No user logged in – Read only mode

[ Register ] [ Log In ]

**ATM DATA AND CYBER SECURITY PORTAL**

Home Forum List of Incidents About

**Top 6 REPORTED INCIDENT TYPES**

6

Cookies and Macros

View Details

5

Database Attacks

View Details

5

Botnet Attacks

View Details

4

Backdoor Attacks

View Details

4

Adware Attacks

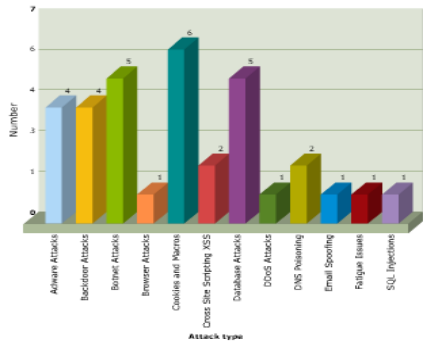
View Details

2

Cross Site Scripting XSS

View Details

**Category wise reported incidents report**



Attack type	Number
Adware Attacks	4
Backdoor Attacks	4
Botnet Attacks	5
Browser Attacks	1
Cookies and Macros	6
Cross Site Scripting XSS	2
Database Attacks	5
DDoS Attacks	1
DNS Poisoning	2
Email Spoofing	1
Malware Issues	1
SQL Injections	1

**Last 8 reported incidents**

ID	Attack type	Details	
36	Database Attacks	Email Checking Incident	<a href="#">Detail</a>
34	Cookies and Macros	Network & Systems Attacks	<a href="#">Detail</a>
33	DNS Poisoning	Email Checking Incident	<a href="#">Detail</a>
32	DNS Poisoning	Email Checking Incident	<a href="#">Detail</a>
30	Database Attacks	test	<a href="#">Detail</a>
29	Database Attacks	test	<a href="#">Detail</a>
28	Database Attacks	@#S%&^&#amp;#( )_+}{PO&quot;LK	<a href="#">Detail</a>
27	Database Attacks	asdf	<a href="#">Detail</a>

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# ADCS Portal – Registration Page

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## ATM DATA AND CYBER SECURITY PORTAL

[ Register ] [ Log In ]

Home Forum List of Incidents About

Welcome Guest! To enable all features please [Login](#) or [Register](#).

FORUM ACTIVE TOPICS SEARCH HELP LOGIN REGISTER

ATM Data and Cyber Security Portal » [Register New User](#)

### Register New User

**Account**

User Name:

Email Address:

Home Page:

Company Name:

Company Phone:

**Password**

Password:

Confirm Password:

Security Question:

Security Answer:

Security Image: 

[Generate New Image](#)

Enter The Letters From The Security Image:

[Create User](#) [Already Signed Up? Click Sign In to login your account.](#)

 - User Name is required.  
- Email is required.  
- Company Name is required.  
- Password is required.  
- Confirmed password is required.  
- Security question is required.  
- Security answer is required.

Privacy Policy | This page was generated in 0.077 seconds.





# ADCS Portal – Registration Process

← → 🔄 Secure | <https://www.adcsportal.com/firmconfirmation>

- Application submitted.
- A verification email is then sent to the user for approval.
- Once the user approves the link an email is sent to the ADCS Admin for final approval.
- Once approved by ADCS Admin the user receives an email notification and the account is active.



Thank You!

Thank you for your ATM Data and Cyber Security Portal registration application. Your application has been received and is under review. You shall receive an email upon completion of this request.  
If you cannot find the email in your inbox, kindly check your spam or junk email folder.



# ADCS Portal – User Login



## ATM DATA AND CYBER SECURITY PORTAL

[ [Register](#) ] [ [Log In](#) ]

[Home](#) [Forum](#) [List of Incidents](#) [About](#)

**!** Welcome Guest! To enable all features please [Login](#) or [Register](#).


[FORUM](#) [ACTIVE TOPICS](#) [SEARCH](#) [HELP](#) [LOGIN](#) [REGISTER](#)

ATM Data and Cyber Security Portal » [Login](#)

Login	
User Name or E-Mail Address:	<input type="text"/>
Password:	<input type="password"/>
<input checked="" type="checkbox"/> Remember me	
<a href="#">Forum Login</a> <a href="#">Lost Password</a> <a href="#">Register instead as new User</a>	




# ADCS Portal – Home Page & User Login



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**ATM DATA AND CYBER SECURITY PORTAL** User logged in → Welcome szcadmin! [ Log Out ]

Home
Forum
Report Incident
List of Incidents
About

**Top 6 REPORTED INCIDENT TYPES**

6

Cookies and Macros

View Details

5

Database Attacks

View Details

4

Botnet Attacks

View Details

4

Backdoor Attacks

View Details

4

Adware Attacks

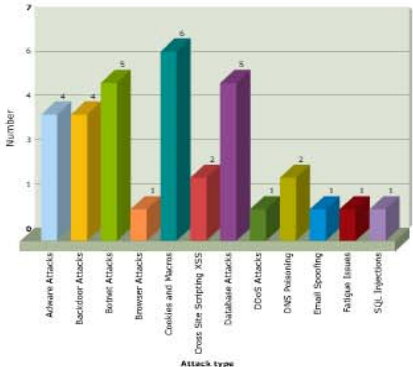
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2

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28	Database Attacks	!@#%&*()_+}{PO&quot;LK	<a href="#">Detail</a>
27	Database Attacks	asdf	<a href="#">Detail</a>

Submission of incidents and the forum are available when user is logged in.



# ADCS Portal – Submission of an Incident

## INCIDENT REPORTING FORM

GENERAL INFORMATION

**Note! All fields are mandatory to input!**

Authority Name	<input type="text"/>	Type of attack	Select Attach Type
Submitted by	<input type="text"/>	Time of incident	<input type="text"/>
Date of incident	<input type="text"/>		

INCIDENT DETAILS

Source IP	<input type="text"/>	Source country	Select Country
Target resource	<input type="text"/>	Target OS	Select OS
Target application	<input type="text"/>	Attack status	Select Status
Attack Details	<input type="text"/>		

IMPACT DETAILS & REMEDY

Attack Impact	Select Impact	Attack Cause	Select Cause
Attack Remedy	Select Remedy		
Remedy Details	<input type="text"/>		

PREVENTION DETAILS

If you were able to prevent the attack, kindly elaborate how and what made it possible for you to prevent it?

LESSONS LEARNT

**Incident reporting form.**  
The more information that is added the more robust and comprehensive the database will be.

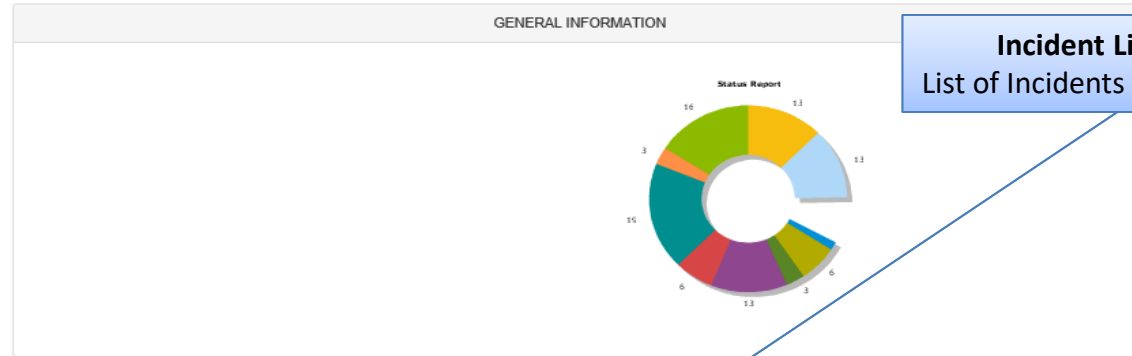
Submit Clear



# ADCS Portal – List of Incidents

## SUB CATEGORIES WISE ALL REPORTED INCIDENTS

- Categories <
- View all Reported incidents
- Network & Systems Attacks <
- Web & Application Attacks <
- Database Injections <
- Human Factors <
- Spam and Phishing <
- Useful links <



Incident List form.  
List of Incidents

## REPORTED INCIDENTS

ID	Authority Name	Incident date	Target resource	Attack status	Attack type	Detail
36	Email Checking Incident	31/10/2018	Email Checking Incident	Prevented	Database Attacks	<a href="#">Detail</a>
34	Email Checking Incident	27/09/2018	Network & Systems Attacks	Impacted	Cookies and Macros	<a href="#">Detail</a>
33	Email Checking Incident	29/09/2018	Email Checking Incident	Impacted	DNS Poisoning	<a href="#">Detail</a>
32	Email Checking Incident	29/09/2018	Email Checking Incident	Impacted	DNS Poisoning	<a href="#">Detail</a>
30	teset	18/09/2018	test	Prevented	Database Attacks	<a href="#">Detail</a>
29	teset	25/07/2036	test	Impacted	Database Attacks	<a href="#">Detail</a>
28	!@#%&^&*_(){PO&quot;:LK	30/11/2017	!@#%&^&*_(){PO&quot;:LK	Impacted	Database Attacks	<a href="#">Detail</a>
27	teset	19/09/2018	1.1.1.2	Prevented	Database Attacks	<a href="#">Detail</a>
26	GCA	05/09/2018	ABC	Impacted	Browser Attacks	<a href="#">Detail</a>
25	Trigger the incident into forum	28/09/2018	Test Incident for Email Check	Impacted	Cookies and Macros	<a href="#">Detail</a>

1234



# ADCS Portal – Forum Dashboard

Logged in as: **szcadmin**

FORUM SEARCH MEMBERS TEAM HELP ADMIN HOST MODERATE

ATM Data and Cyber Security Portal

Current time: 10:39 AM. Your last visit: Monday, November 26, 2018 8:03:10 AM.

ShoutBox

Forum	Moderators	Topics	Posts	Last Post
<b>Network and System Attacks</b> Network & System Attacks	Moderators: Administrators, szcadmin	1	2	Test 07-10-2018 by fahim 2 months ago
<b>Web and Application Attacks</b> Web & Application Attacks	Moderators: Administrators, szcadmin	0	0	No Posts
<b>Database Injections</b> Database Injections	Moderators: Administrators, szcadmin	1	2	Email Checking Incident by fahim 2 months ago
<b>Human Factors</b> Human Factors	Moderators: Administrators, szcadmin	0	0	No Posts
<b>Spam and Phishing</b> Spam and Phishing	Moderators: Administrators, szcadmin	0	0	No Posts

Mark all forums as read | RSS Feed | Atom Feed

Active Discussions

Latest Posts

- Test 07-10-2018 by fahim (Network & System Attacks) 2 months ago
- Email Checking Incident by fahim (Database Injections) 2 months ago

Information

Active Users

1 active user, 1 member for last 5 minutes  
Most users ever online was 3 on 10/7/2018 2:42:00 PM.  
szcadmin

Statistics

There are 4 posts in 2 topics in 5 forums.  
Last post 2 months ago by fahim.  
We have 2 registered members.  
The newest member is fahim.

New Posts No New Posts Forum Locked

Privacy Policy

Submitted Incident automatically added to forum and will be available for further discussion

Detailed view portal forum showing topics summary for each category and statistics for the same



# ADCS Portal – Incident Discussion Page

ATM Data and Cyber Security Portal » Database Injections » Database Injections » [Email Checking Incident](#)

Post Reply New Topic Delete Topic Lock Topic Move Topic Tag as favorite

Email Checking Incident - *Email Checking Incident*

Share Options

<< Previous Topic

Next Topic >>

fahim

#1 Posted : 2 months ago

Retweet Thank Edit Move Delete Quote Multi-Quote



Email Checking Incident

Discussion posts for submitted incidents

Rank: Member

Groups: Approved  
Joined: 10/2/2018  
Posts: 1

IP: 192.168.169.213

PM Email

Report

fahim

#2 Posted : 2 months ago

Retweet Thank Edit Move Delete Quote Multi-Quote



quick reply

Comments posted by various users

Rank: Member

Groups: Approved  
Joined: 10/2/2018  
Posts: 1

IP: 192.168.169.213

PM Email

Report



# ADCS Portal – Post Comment



## ATM DATA AND CYBER SECURITY PORTAL

Welcome **szcadmin!** [ [Log Out](#) ]

[Home](#) [Forum](#) [Report Incident](#) [List of Incidents](#) [About](#)

Logged in as: **szcadmin**

[FORUM](#) [SEARCH](#) [MEMBERS](#) [TEAM](#) [HELP](#) [ADMIN](#) [HOST](#) [MODERATE](#)

ATM Data and Cyber Security Portal » Database Injections » Database Injections » Email Checking Incident » [Post a reply](#)

[Create Poll](#)

### Post a reply

Message:

Maximum number of characters in each post is: 32767



Font Color:  Font Size:

← Post comments on selected topic / incident

Options:

- Is this topic persistent? (Persistent topics are not pruned)
- Watch this topic and receive notifications of activity via e-mail?

[Preview](#) [Post](#) [Cancel](#)

Last 10 Posts (in reverse order)

<b>fahim</b>	Posted: 2 months ago quick reply
<b>fahim</b>	Posted: 2 months ago Email Checking Incident





# ADCS Portal Enhancements

- An updated and more comprehensive forum
- More robust backend configuration
- Updating of submitted tickets by the respective user.
- Other suggestions..



# Conclusion

- The ADCS Portal is available online and states are urged to register and provide feedback on additional enhancements.
- The use of this portal is to share knowledge in conjunction with the MSB's and will ensure a far more robust and secure data connectivity within the region.
- There is no 100% 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 within the MID region.

