Third Meeting of the Air Navigation System Implementation Group (ANSIG/3)

ATM Data and Cyber Security Portal

Cairo, Egypt, 2-4 July 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 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 an ADSAG group meeting was scheduled at the MID office from 24-26 June 2018, where after the documents will be finalised.

The MSB's will then be presented at the MIDANPIRG 17 for endorsement by the ICAO Mid Office.

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 to report cyber events as well as share knowledge and information on cyber security incidents.

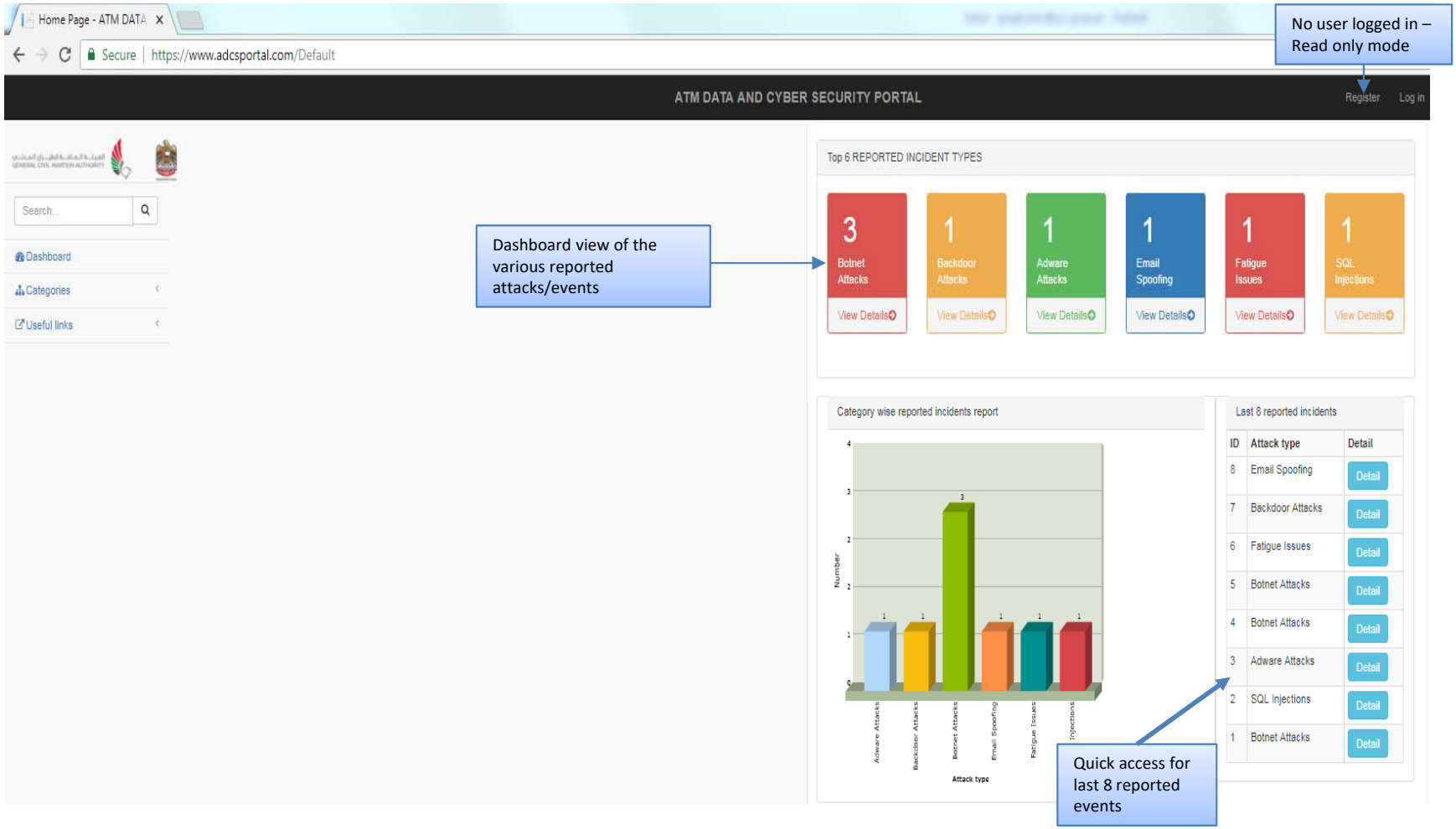
ATM Data & Cyber Security Portal

- 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.

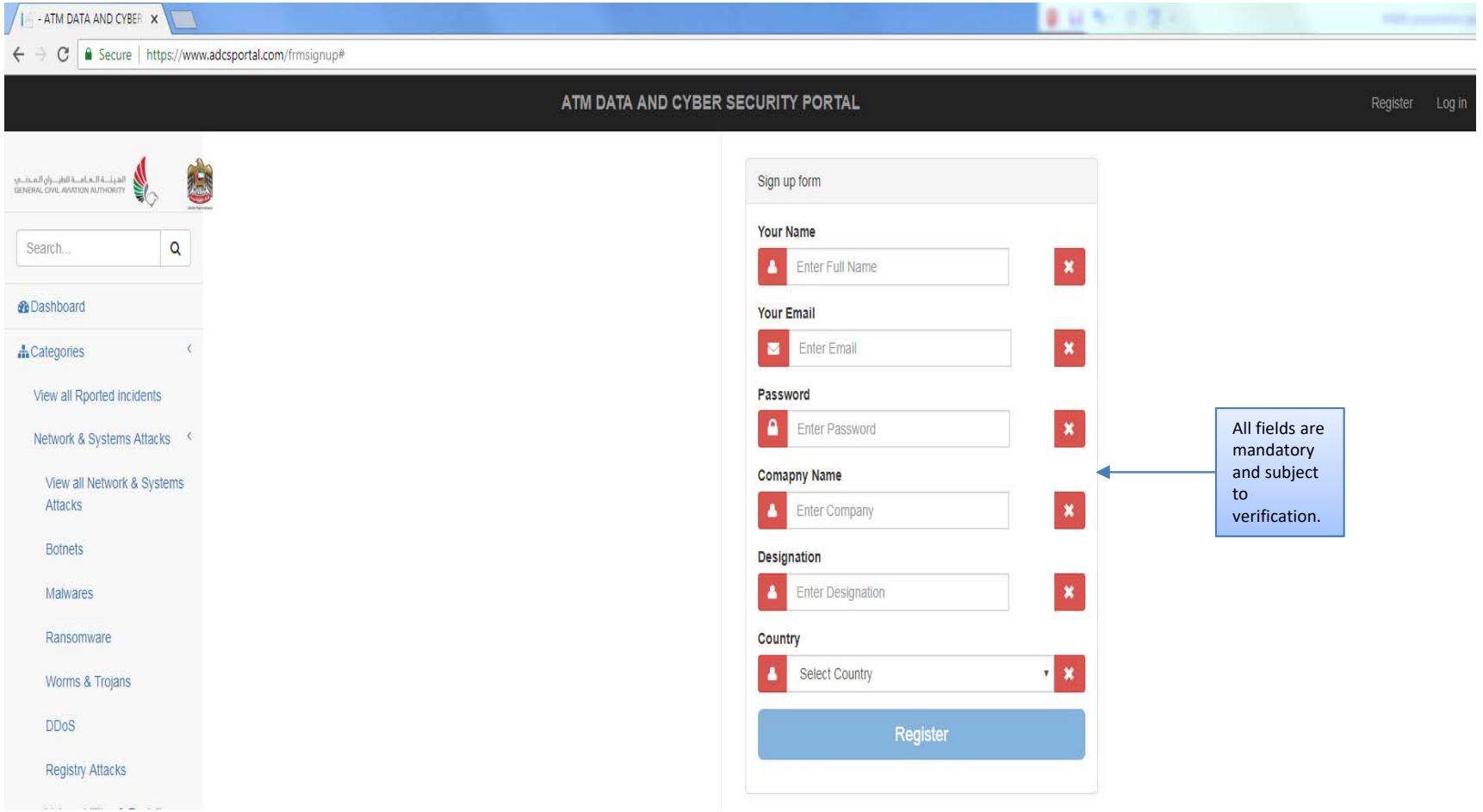
ATM Data & Cyber Security Portal

- 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.
- The address for this portal is https://www.adcsportal.com
- The planned implementation date for the portal will be will be in conjunction with MIDANPIRG 17.

ADCS Portal – Home Page



ADCS Portal – Registration Page



ADCS Portal – Registration Process

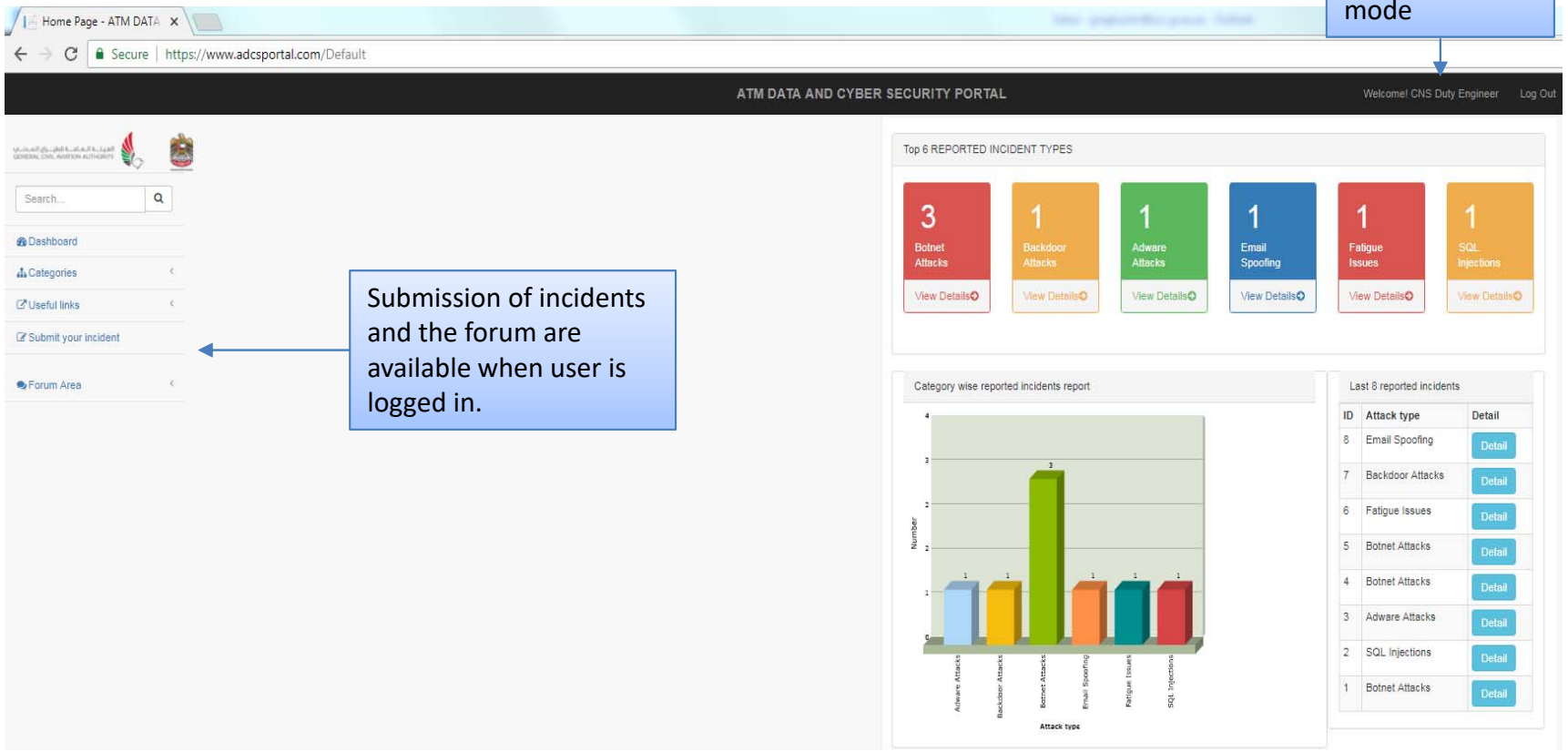
- Application submitted.
- A verification email is then sent to the user for approval.
- Once the user approves the link an email is sent to the ADCS Admin for final approval.
- Once approved by ADCS Admin the user receives an email notification and the account is active.

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.

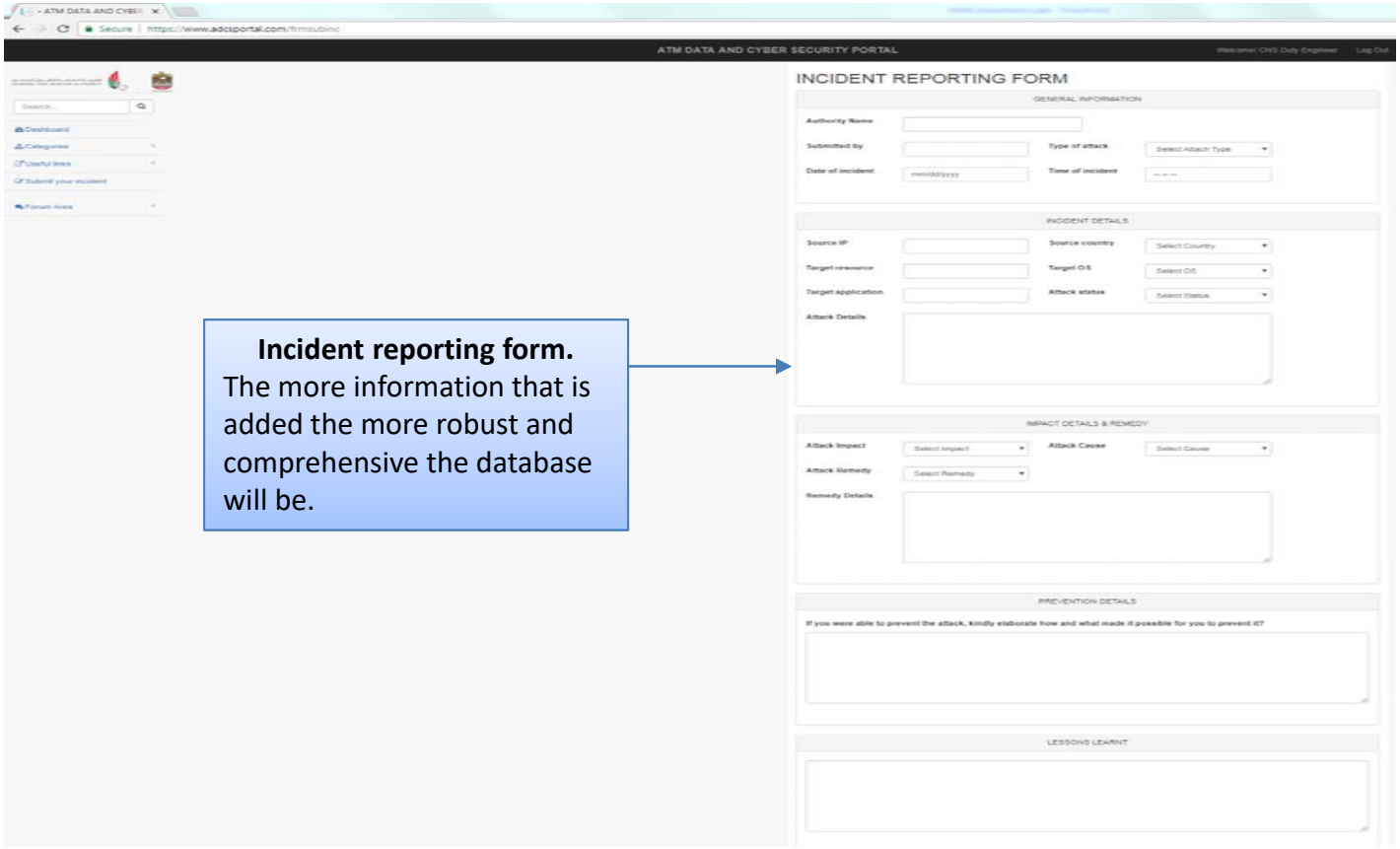
ADCS Portal – Home Page & User Login

User logged in – Read/Write mode



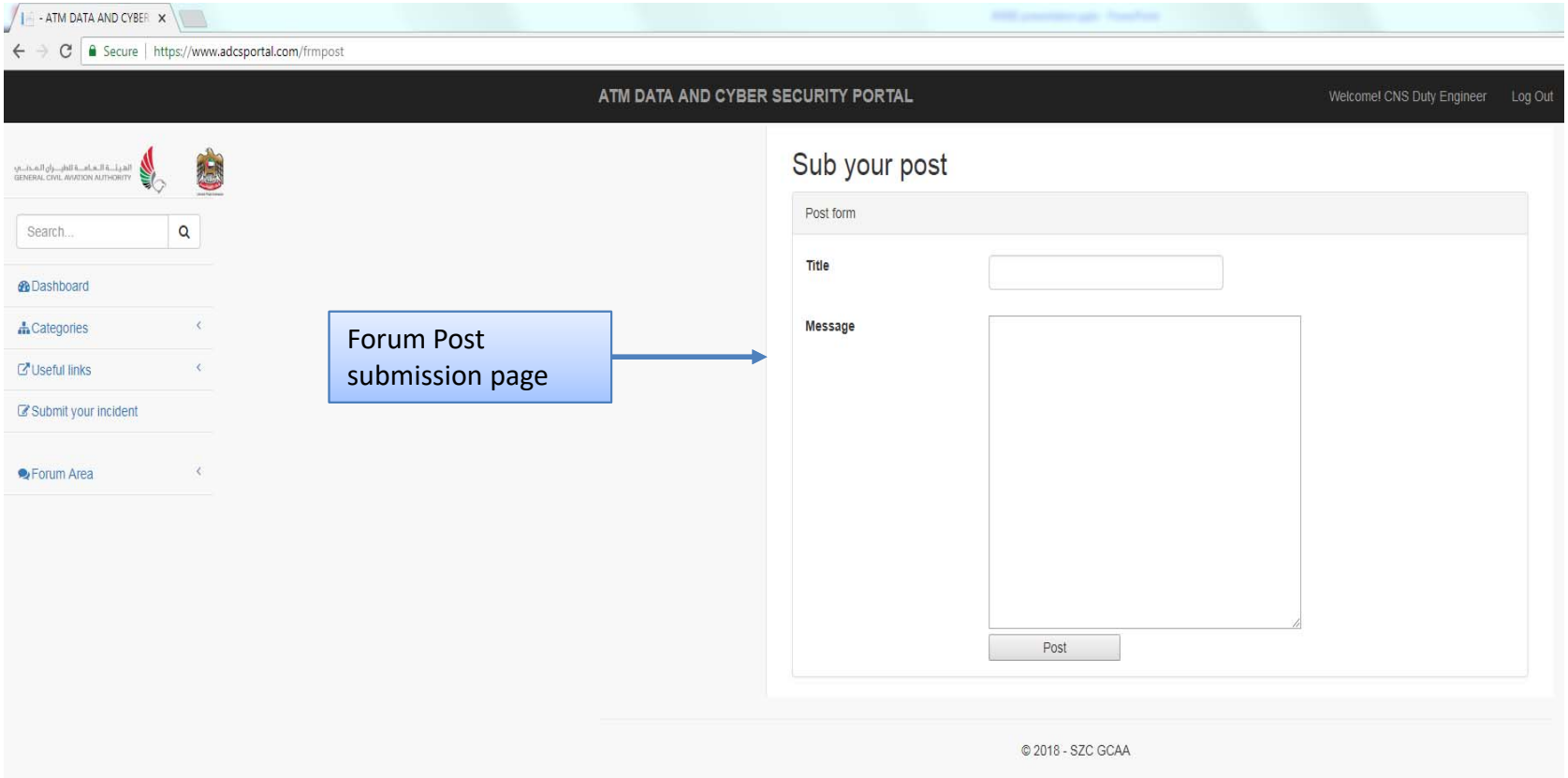
Submission of incidents and the forum are available when user is logged in.

ADCS Portal – Submission of an Incident

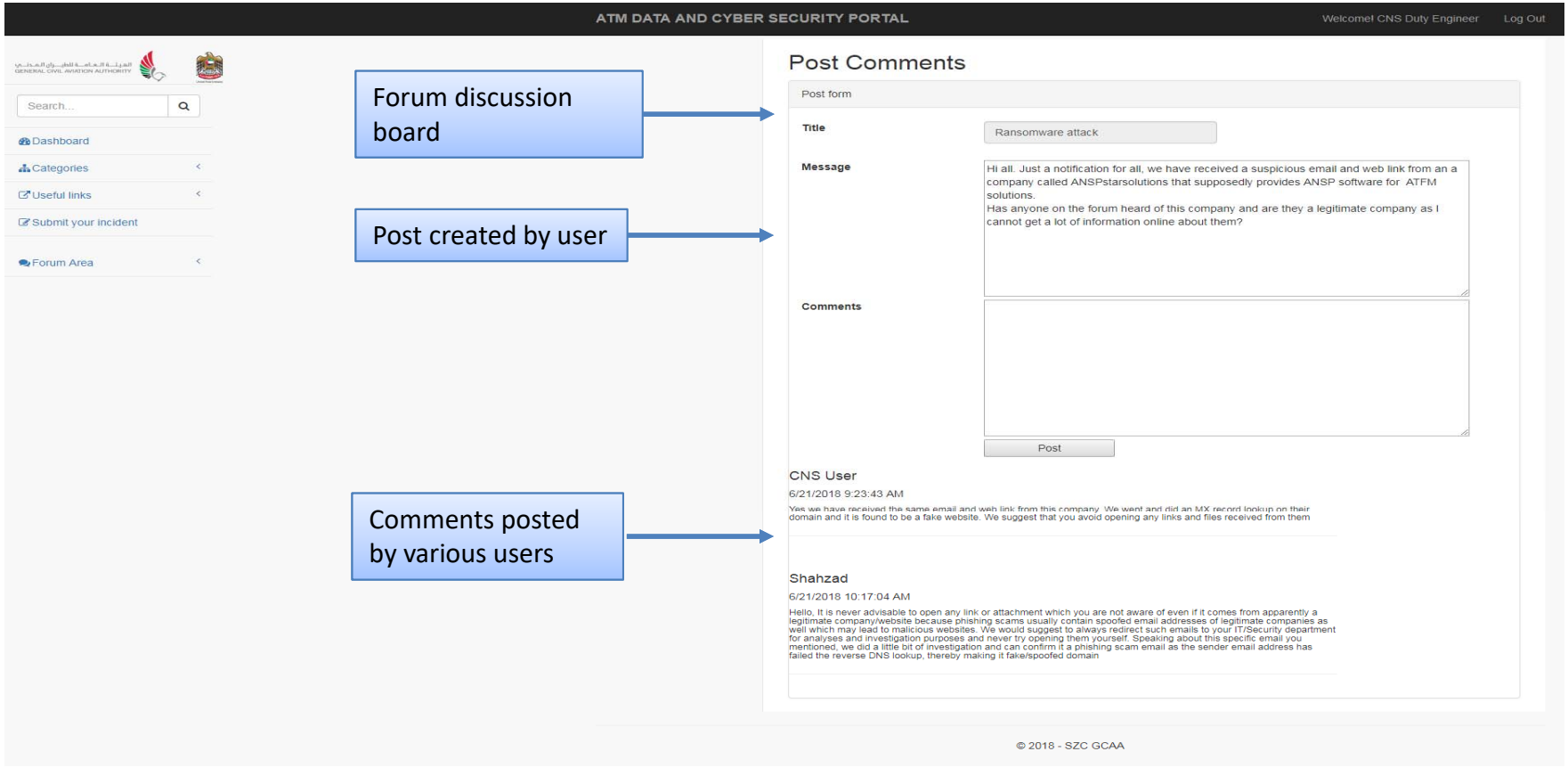


Incident reporting form.
The more information that is added the more robust and comprehensive the database will be.

ADCS Portal – Forum Page



ADCS Portal – Forum Post example



ADCS Portal Enhancements

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

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.


SERVICE LEVELS AND STATISTICS: