



الهيئة العامة للطيران المدني
GENERAL CIVIL AVIATION AUTHORITY

UAE GCAA - GO PAPERLESS INITIATIVES

PAPERLESS AIRCRAFT OPERATIONS & RFID

CONFERENCE

Cranfield University

26 & 27 November 2018

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رؤيتنا: منظومة طيران مدني آمنة ورائدة ومستدامة

OUR VISION: A LEADING, SAFE, SECURE AND SUSTAINABLE CIVIL AVIATION SYSTEM

Contents

- Leadership & Vision – UAE Federal Government / GCAA
- Paperless Initiatives – Benefits to:
 - GCAA & Stakeholders
 - GCAA Internal
 - Airworthiness
- Electronic Aircraft Maintenance Records
 - Electronic Records/Signature

- **Leadership & Vision – UAE Federal Government & GCAA**

Leadership & Vision – UAE Government / GCAA

- **Smart government initiative**
 - Launched by UAE Federal Government in 2013.
- **UAE mGovernment**
 - Government services available to the people wherever they are 24/7.
- **H.E. Saif Mohammed Al Suwaidi, Director General, UAE GCAA**
 - Prime mover towards a paperless environment in GCAA.

Paperless Initiatives – Benefits to: GCAA & Stakeholders

- E-Services
- Q-Pulse

e-Services

➤ Complete Implementation in 2013

- Public Interaction with GCAA
- Required Services – Applications
- Payment of Fees

➤ SKGEP Best Federal Department IT award 2012

- GCC Award 2010 & 2011
- Green IT Award



About GCAA

Sectors / Departments

E-Services

E-Publication

E-Participation

Open Data

Downloads

Top Requests

To find a service, start typing the name of the service

Individuals102	Organizations163	Informational16
Air Operators37	Amendment of Nominated...	Issue of Aircraft...
Approved Training Organizations18	Amendment to Aircraft...	Issue of Nominated...
CAMO8	Extension to Aircraft...	Renewal of Nominated...
Aircraft Maintenance Organizations9		Reporting of Safety...
Maintenance Training Organizations6		Reporting of Safety...
Manufacturers8		Revocation of Nominated...
Dangerous Goods Handling...		
Aerodromes & Heliports13		
ANSP40		
Others9		

eservices Catalogue

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Paperless Initiatives – Benefits to: GCAA & Stakeholders

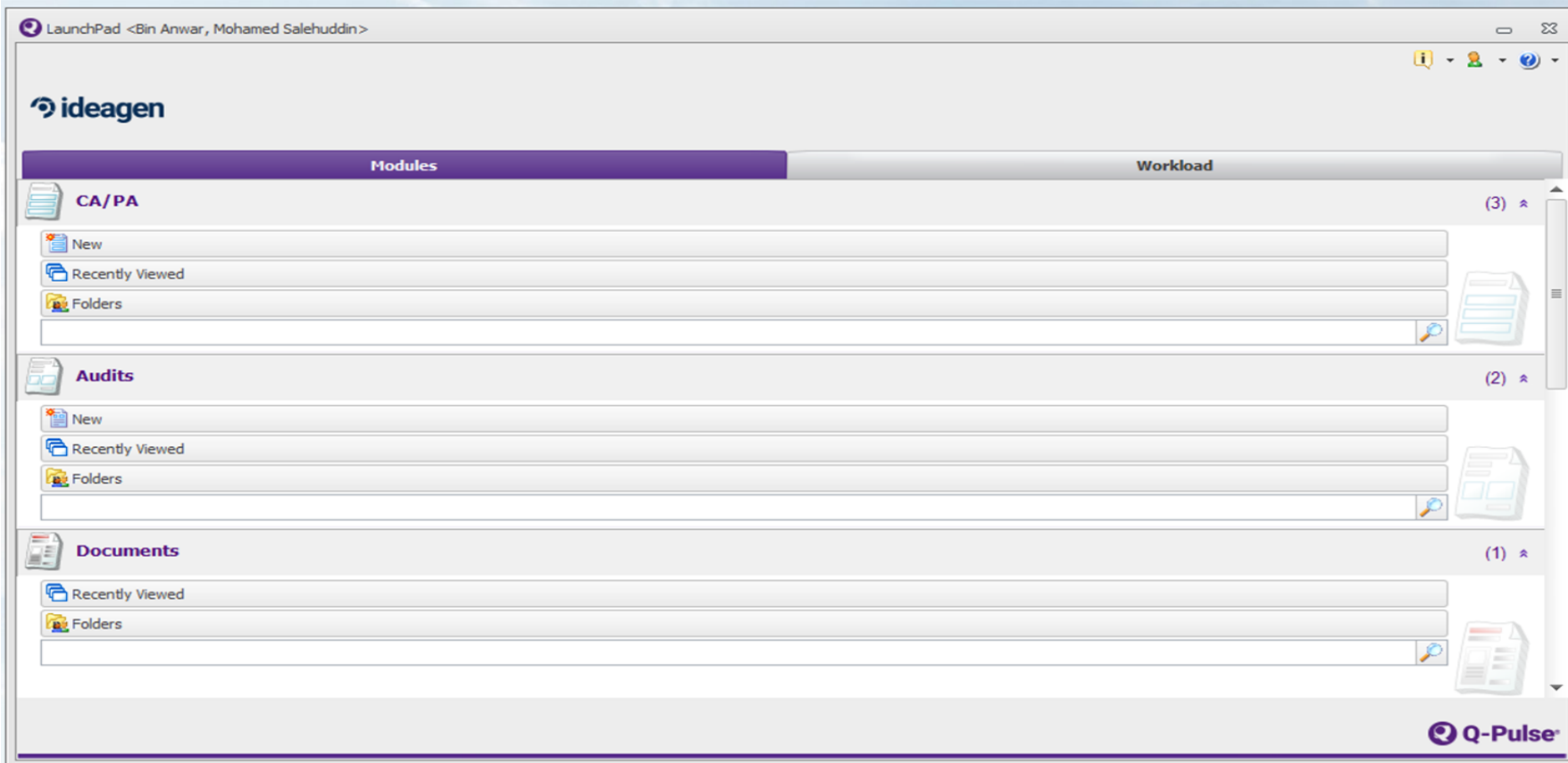
- **E-Services**
 - Improve the application process time
 - Accuracy of information
 - Minimize errors
 - Easy to track and retrieve applications
 - Paperless

Initiatives – Benefits to: GCAA & Stakeholders

➤ Q-Pulse

- **Q-Pulse - Introduced in 2010**
- **Management of Audits/Reports/Findings & Documents**
 - GCAA & Stakeholders – Coordinator details
- **Management of Documents (GCAA - Internal)**
 - Procedures/Forms
 - People
 - Records
 - Training, Qualifications

UAE GCAA - GO PAPERLESS INITIATIVES



Initiatives – Benefits to: GCAA (Internal)

- **GCAA Portal - Edarti Hub**
 - **E-Services Back Office**
 - **Employee Services**
 - **Training**

TO-DO LIST

COMPLETED TASKS

AWAITING ASSIGNER FEEDBACK

AWAITING MY FEEDBACK

REQUEST AND APPROVALS

MY REQUESTS
1

APPROVALS
0

Aeronnovation Summit 2018

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Last Day To Register 15th February

قيمة الابتكار في مجال الطيران
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Finance

TAMS

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Apps

eService

Customize this area to your requirements. Click on the icon to being.

In Progress, Expiring and Overdue Tasks

TODAY THIS WEEK THIS MONTH

No Tasks Found

Upcoming Events

Click here to send greetings

No Events Available

Current & Carried Leaves

Balance Entitlements CarryOver Leave Taken

30 days 27 days 3 days



Innovation Framework



Org Chart



Infocsec Videos



Update Profile



Stakeholders



360 Dashboard

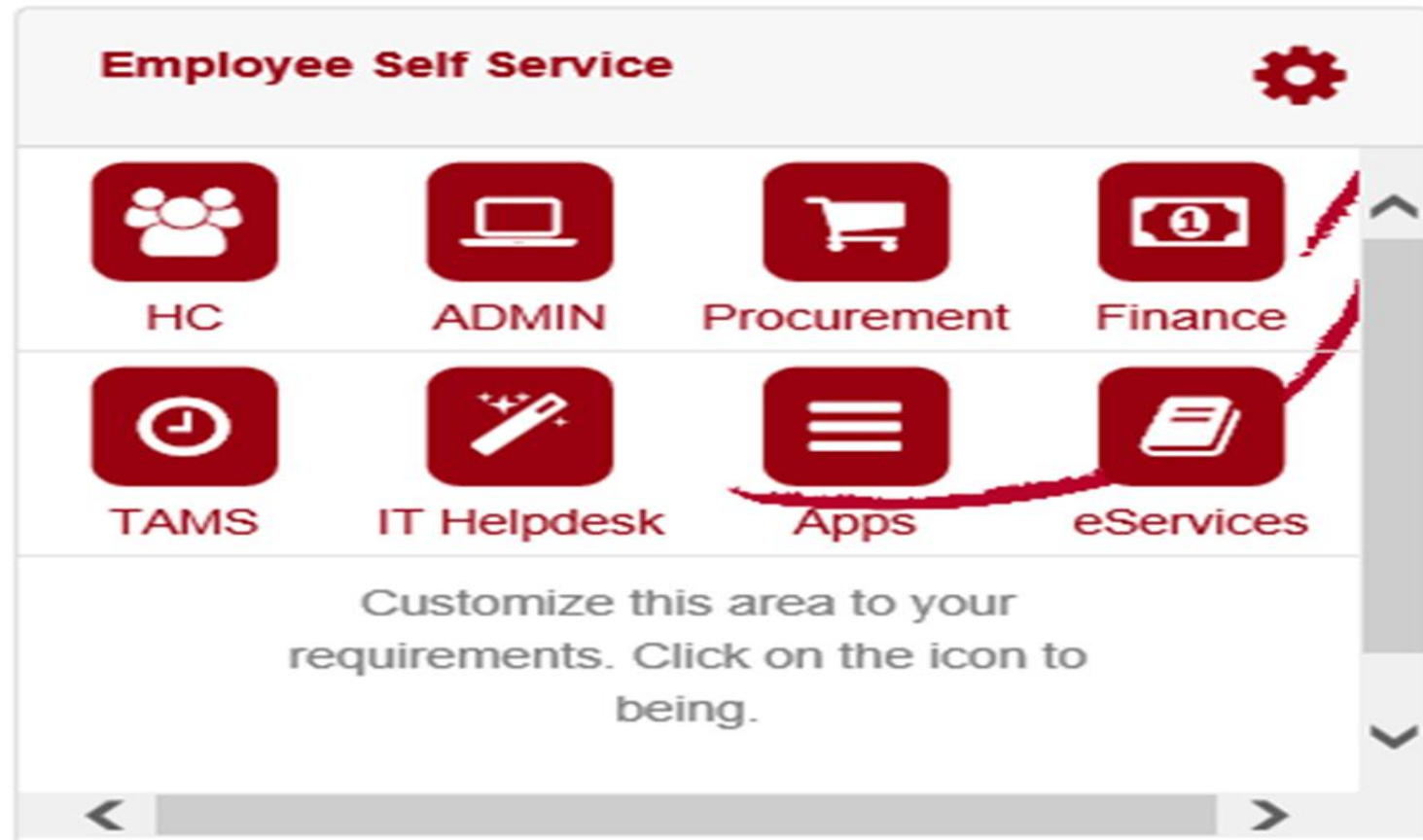


MoU

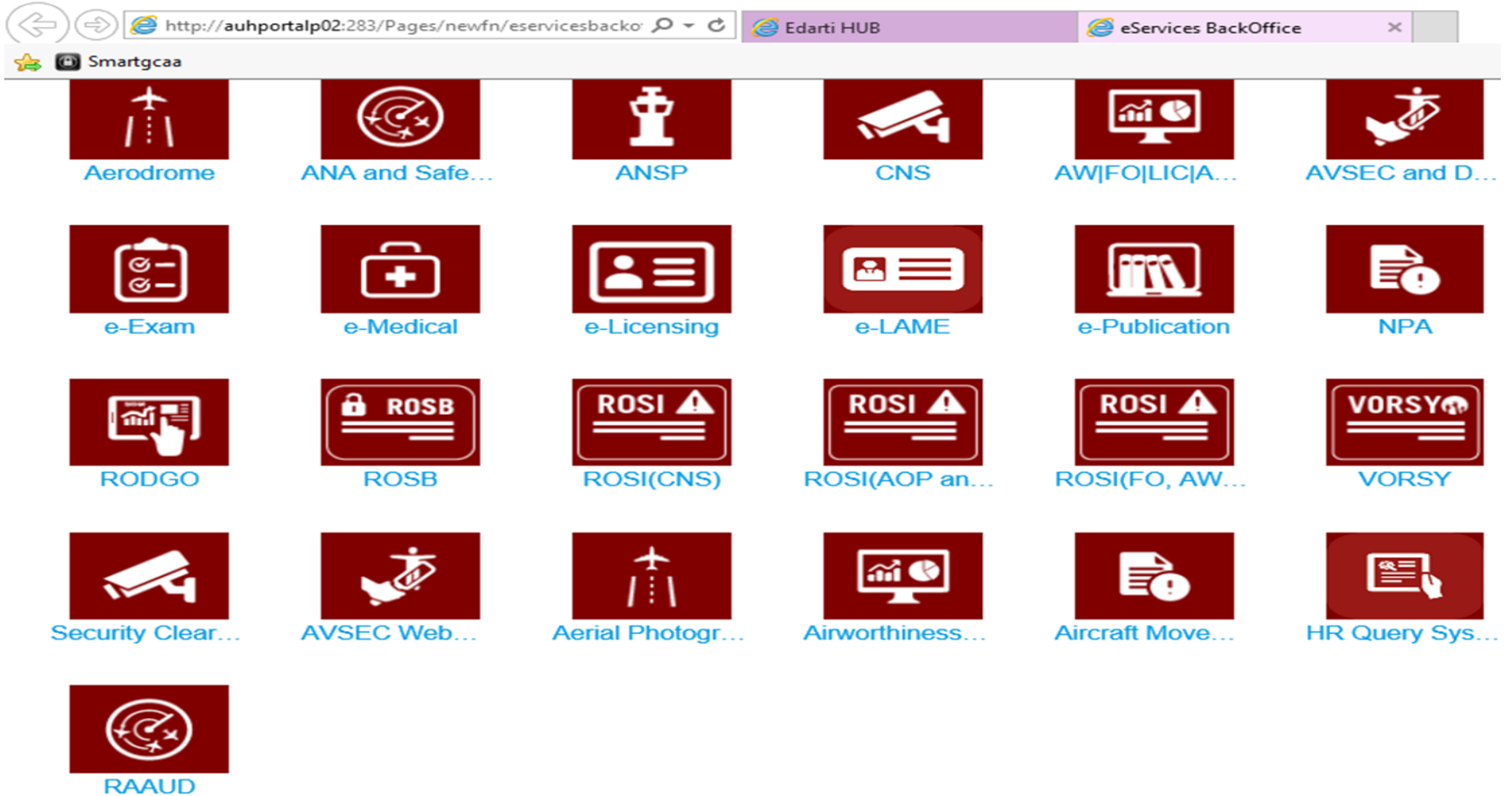


GCAA Hive

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http://auhportalp02:283/sites/support/training/pages/

Edarti HUB

eServices BackOffice

default

Smartgcaa



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GCAA Edarti Hub

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Mohamed Salehuddin

Finance

General Administration

Human Capital

Information Technology

Procurement

Training

Recent

Weekly Meetings

Support Services Picture
Library

Support Services > Training



Edarti HUB > Sectors > Support > Training

Content Editor - Allows authors to enter rich text content.

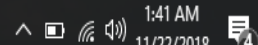
Content Editor

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11/22/2018

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Initiatives – Benefits - Airworthiness

- **Non Expiring Certificates**
- **Removal of Supplements**
 - **Information in GCAA AMO Certificate**
 - **GCAA Supplementary Procedures**
- **Electronic Signature/Records - On Going**

Initiatives – Benefits - Airworthiness

- **Electronic Aircraft Maintenance Records**
 - **Electronic Signature/Records (On Going)**

REVIEW/ANALYZE/RECOMMEND

UAE GCAA - GO PAPERLESS INITIATIVES

- **UAE Federal Law No. (1) of 2006 –**
 - **On Electronic Commerce and Transactions**
- **Regulations**
 - **CAR 1, CAR M, CAR 145, CAR 21, GCAA NPA 2018-02**
 - **EASA PART M, PART 145, NPA 2014-04 & PART 21**
- **ICAO**
 - **Annex 6 & Doc 9760**

- **Federal Law No. (1) of 2006 –On Electronic Commerce and Transactions**
 - UAE's position with reference to Federal Law No. (1) of 2006, with regard to electronic signature/records and exchange of information via electronic means.
 - Referred to GCAA Legal Department.
Statutes & laws practiced in USA, Canada, Australia & Singapore
 - Response - The laws and regulations in force in the United Arab Emirates is comparable to international practice.

- **ICAO – ANNEX 6 & DOC 9760**

ANNEX 6

ICAO Annex 6 Part 1 10th Edition Chapter 8.4 Maintenance Records

ICAO Annex 6 Part 3 8th Edition Chapter 6.4 Maintenance Records

DOC 9760

**GUIDANCE FOR ACCEPTANCE OF ELECTRONIC AIRCRAFT
MAINTENANCE RECORDS (EAMR)**

➤ **To be incorporated in the Airworthiness Manual Doc 9760**

➤ Advisory Circulars (AC) –

AC 120-78A

FAA USA

AC 571-006

TRANSPORT CANADA (TCCA)

AC 11-3

CASA AUSTRALIA

AC 1-2(1)

CAA SINGAPORE (CAAS)

➤ IATA – Website

Paperless Aircraft Operations

- **EASA NPA 2014-04**
- **Proposes a new structure of M.A.305**
 - **New concepts related to components**
 - **Clarifies the existing requirements of technical records related to continuing airworthiness and maintenance**
 - **Eliminate inconsistencies**

- **EASA NPA 2014-04**
 - **The introduction of various forms of record-keeping (e.g. digital) and commonly used information technology (IT) systems.**
- **Includes proposed amendment to 145.A.55**
- **The organization shall provide a copy of each certificate of release to service to the aircraft operator, together with a copy of any detailed maintenance record associated with the work carried out and necessary to demonstrate compliance with M.A.305.**

- **IATA – PAPERLESS AIRCRAFT OPERATIONS**
 - **Presentations & Guidance Materials**
 - **Guidance Material for the Implementation of Paperless Aircraft Technical Operations (PAO:TO)**
 - **Aviation Identification & Authorization System**
 - **IATA PAO vs Regulators Checklist & Others**

- **GCAA CAR 21 SECTION**
 - **REVIEW 'ON GOING'**
 - **AUTHORIZED RELEASE CERTIFICATE – FOR PRODUCTION PURPOSES.**

E-SIGNATURE/RECORDS

➤ RECOMMENDATIONS - OUTCOME

RECOMMENDATIONS - OUTCOME

- **IATA PAPERLESS AIRCRAFT OPERATIONS WORKSHOP (Etihad Airways Engineering) – 28th to 30th Nov. 2018 - GCAA and Industry**
- **CAR PART V CAR M - CONTINUING AIRWORTHINESS REQUIREMENTS ISSUE 04. (20 Nov. 2018)**
 - **Includes Electronic signature and electronic exchange of the Form 1.**

E-SIGNATURE/RECORDS

“ON GOING”

ON GOING

- **GCAA Guidance Document -**
 - (i) Industry - Standards & guidance with regard to electronic aircraft records.
 - (ii) GCAA internal requirements/procedures/checklists etc.

ANY QUESTIONS?



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The slide features the GCAA logo in the top left and a UAE emblem in the top right. The title "Electronic Signature/Records" is prominently displayed in the upper center. Below the title, there are four images: a wide-angle view of an aircraft hangar, a close-up of an aircraft engine on a maintenance stand, a computer monitor displaying a software interface, and a hand using a digital pen to sign a document on a tablet. The text "THANK YOU" is centered at the bottom, with a date stamp "Date: 03 May 2016" just below it.