UAE GCAA - GO PAPERLESS INITIATIVES
PAPERLESS AIRCRAFT OPERATIONS & RFID CONFERENCE
Cranfield University
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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**

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

<table>
<thead>
<tr>
<th>Individuals</th>
<th>Organizations</th>
<th>Informational</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Operators</td>
<td>Amendment of Nominated...</td>
<td>Reporting of Safety...</td>
</tr>
<tr>
<td>Approved Training Organizations</td>
<td>Issue of Aircraft...</td>
<td></td>
</tr>
<tr>
<td>CAMO</td>
<td>Amendment to Aircraft...</td>
<td>Reporting of Safety...</td>
</tr>
<tr>
<td>Aircraft Maintenance Organizations</td>
<td>Extension to Aircraft...</td>
<td>Renewal of Nominated...</td>
</tr>
<tr>
<td>Maintenance Training Organizations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manufacturers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dangerous Goods Handling...</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aerodromes &amp; Heliports</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANSP</td>
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<td>Others</td>
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</table>
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
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Initiatives – Benefits to: GCAA (Internal)

- GCAA Portal - Edarti Hub
  - E-Services Back Office
  - Employee Services
  - Training
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Employee Self Service

- HC
- ADMIN
- Procurement
- Finance
- TAMS
- IT Helpdesk
- Apps
- eServices

Customize this area to your requirements. Click on the icon to being.
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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)
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REVIEW/ANALYZE/RECOMMEND
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
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- 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
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➢ 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.
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• 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.
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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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Electronic Signature/Records

THANK YOU

Date: 03 May 2018

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