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UAE General Civil Aviation Authority

CAR M Presentation General Civil Aviation Authority

Date: 20/06/2011

Session Objectives

To provide Regulators and Industry with an understanding of:-

- GCAA CAR M – Objective and Scope/Definitions
- Changes to the current CARs
- Compliance time frame / Transition process /New operators, existing operators, CAMO
- CAR M regulations and subparts as applicable to operators /owners of A/C
- Forms and applications

UAE Civil Aviation Law and General Civil Aviation Authority Law

Empowers the GCAA to promulgate
general policy for civil aviation and
propose laws and regulations.

CAR M Presentation



CAR M covers:

- “On the **continuing airworthiness** of **aircraft** and aeronautical **products, parts and appliances**, and on the approval of organisations and personnel involved in these tasks”
- Entry into force: 01st July 2011
- Full implementation: 01st July 2012
- Will be in parallel with CAR-OPS 1/3 Subpart M until 30th June 2012 and then replace Sub part M entirely from 01st July 2012.

Objective and Scope

Common technical requirements for ensuring the continuing airworthiness of aircraft:

- Registered in UAE
- Registered in a third country and used by a UAE operator where the GCAA assumes responsibility for the oversight of the continued airworthiness management functions of such an aircraft

Objective and Scope

- Common technical requirements for ensuring the continuing airworthiness of aircraft:
 - Registered in UAE
 - Registered in a third country and used by a UAE operator where the GCAA assumes responsibility for the oversight of the continued airworthiness management functions of such an aircraft
- Not applicable to aircraft where the regulatory oversight has been transferred to a third country and which are not used by a UAE Operator (ICAO Convention Article 83bis).

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Definitions

- Aircraft
- Component
- Continuing airworthiness
- Large aircraft
- Maintenance
- Organisation
- Pre-flight inspection
- Product
- Commercial Air Transport

Definitions

- “*aircraft*” means any machine that can derive support in the atmosphere from the reactions of the air other than reactions of the air against the earth's surface;
- “*component*” means any engine, propeller, part or appliance;
- “continuing airworthiness” means all of the processes ensuring that, at any time in its operating life, the aircraft complies with the airworthiness requirements in force and is in a condition for safe operation;
- “*large aircraft*” means an aircraft, classified as an aeroplane with a **maximum** take-off mass of more than 5700 kg, or a multi-engined helicopter;

Definitions

- “*maintenance*” means any one or combination of overhaul, repair, inspection, replacement, modification or defect rectification of an aircraft or component, with the exception of pre-flight inspection;
- “*organisation*” means a natural person, a legal person or part of a legal person. Such an organisation may be established at more than one location;
- “*pre-flight inspection*” means the inspection carried out before flight to ensure that the aircraft is fit for the intended flight;
- “*product*” shall mean an aircraft, engine or propeller;

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Definitions

- “*Commercial Air Transportation*” means an aircraft operation involving the transport of passengers, cargo or mail for remuneration or hire. The term encompasses Air Transport Operators and Air Carriers;
- *** **Definitions currently in CAR OPS 1/3.003 for Air Transport Operator, Air Carrier and Commercial Activities are still applicable.**

Compliance Time Frame

- **Existing Commercial Air Transport (CAT) Operators**

Should start applying for CAR M Subpart G Approval as soon as possible but must have an appropriate approval by the 30th June 2012 or could have their AOC revoked/suspended.

- **New CAT Operators**

Must apply for CAR M Subpart G Approval as part of the application for an AOC/PAOC

Compliance Time Frame

- **Existing Non-CAT Operators**

Can start applying for CAR M Sub part G approval or contract such an organization that has the appropriate GCAA approval.

Must have this by 30th June 2012

- **New Non-CAT Operators**

Can apply for Sub part G approval or submit a contract with a GCAA Approved Subpart G Org.

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What are the Changes – Highlights?

- **To CAR Part I – General Definitions**
- **To CAR Part IV - CAR OPS 1/3**
- **To CAR Part V – Chapter 1**
- **To CAR Part V – Chapter 2**
- **To CAR Part V – Chapter 3**

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What are the Changes – Highlights?

■ **CAR Part I – General Definitions:**

Adding of some definitions introduced by CAR M as shown in slides covering definitions in this presentation.

Changes to : Large Aircraft , Maintenance and Commercial Air Transport.

Addition of : Commercial Activities

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What are the Changes – Highlights?

■ To Part IV - CAR OPS 1/3:

When CAR is in force on the 01st July 2012:

- 1. CAR OPS 1/3 Subpart M will be superseded by CAR M Subparts A,B,C,D,G and I**
- 2. All references to Maintenance Management Exposition (MME) will be changed to Continuing Airworthiness Management Exposition (CAME)**
- 3. All references to the paragraphs in Sub part M will change to reflect the paragraphs in CAR M**

What are the Changes – Highlights?

- **To CAR Part V – Chapter 1 (Registration of Civil Aircraft) :**
When CAR is in force on the 01st July 2012:
 1. Section 4 Noise Certificates – reference to CAR 21 Subpart I
 2. Section 5 Radio and Radio Navigation Equipment – TRA now
 3. Section 6 Weight and Balance – reference to CAR-OPS 1/3 Subpart J
 4. Section 7 Revocation, Suspension and Variation of Certificates, Licences
and Other Documents – reference to CAR 21 Subpart H
 5. Section 8 Now termed Permit to Fly and reference to CAR 21 Subpart P

What are the Changes – Highlights?

- **To CAR Part V – Chapter 2- Airworthiness Requirements of Aircraft:**
 1. **Section 1 – Now termed Airworthiness Certificates and reference to CAR 21 Subpart H**
 2. **Section 2 – Categories of Aircraft – removed**
 3. **Section 3 – Issue of Certificate of Airworthiness – changes to terms due to introduction of CAR 21 Subpart H and the need for an Airworthiness Review Certificate (ARC)**

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What are the Changes – Highlights?

- 1. Section 4 – Renewal of C of A – removed as C of A is now non-expiry.(ARC is issued yearly)**
- 2. Section 6 – Maintenance of Aircraft – removed as CAR M Subpart C now applies.**
- 3. Section 7 – Certificate of Maintenance Review - references to CAR Subpart M Subpart G added.**
- 4. Section 8 – Certificate of Release to Service – references to CAR 145 and CAR M Subparts F and H added.**
- 5. Section 9 – Duplicate Inspections – add reference to CAR 145 and CAR M Subpart F**

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What are the Changes – Highlights?

- 1. Section 11 – Certificate of Fitness for Flight – add reference to CAR 21 Subpart H**
- 2. Section 12 – Modification Record Book - add reference to CAR M Subpart C – Continuing Airworthiness**
- 3. Section 13 Certificate of Airworthiness for Export - add reference to ARC**

What are the Changes – Highlights?

■ Issuing of Certificate of Airworthiness and Airworthiness Review Certificate:

1. **GCAA will be able to issue 'new style' C of As(non renewable) from 01st July 2011.**
2. **GCAA will continue to renew 'old style' C of As until the 30th June 2012.**
3. **GCAA will not renew 'old style' C of As for those expiring after 30th June 2012**
4. **All C of As issued after 30th June 2012 must have a recommendation from a Subpart G Org or have a valid ARC (15a)**
5. **The first ARC will be issued by the GCAA – Form 15a**

What are the Changes – Highlights?

- **To CAR Part V – Chapter 3 (CAR 145):**
 1. **Addition of terms due to introduction of CAR M e.g. Commercial Air Transport**
 2. **CAR 145.1 – Clarification and changes in AMC and GM for Small Orgs**
 3. **CAR 145.20 – Terms of approval for Orgs is as per CAR M**
 4. **CAR AMC 145.30 (e) – addition of fuel tank safety training and reference to CAR M**

CAR M - Technical Requirements

CAR M Section A

- **Subpart A – General**
- **Subpart B – Accountability**
- **Subpart C – Continuing Airworthiness**
- **Subpart D – Maintenance Standards**
- **Subpart E – Components**
- **Subpart F – Maintenance Organisation**
- **Subpart G – Continuing Airworthiness Management Organisation**
- **Subpart H – Certificate of Release to Service (CRS)**
- **Subpart I – Airworthiness Review Certificate**

Subpart A – General

M.101 Scope – states that:

This section establishes the measures to be taken to ensure that airworthiness is maintained, including maintenance.

It also specifies the conditions to be met by the persons or organisations involved in such continuing airworthiness management.

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Subpart B – Accountability

- M. 201 - Responsibilities
- M.202 – Occurrence Reporting

Subpart B – Responsibilities – M.201

- a. The Owner/Lessee (or Operator) is responsible for the continuing airworthiness of an aircraft and shall ensure no flight takes place unless:
 - i. the aircraft is maintained in an airworthy condition and,
 - ii. operational and emergency equipment is serviceable or identified as unserviceable and,
 - iii. the Certificate of Airworthiness is valid and,
 - iv. maintenance is performed iaw an approved maintenance programme.

Subpart B – Responsibilities – M.201

- h. For **Commercial Air Transport**, the Operator is responsible for the continuing airworthiness of the aircraft it operates and shall:
 - i. Be approved iaw CAR M Subpart G (Continuing Airworthiness Management) for the aircraft it operates as part of its AOC.
 - Operator may **sub-contract** continuing airworthiness management tasks to another organisation working under the Operator's CAR M Subpart G approval. (Ref AMC M.201 (h)1)
 - ii. Be a CAR 145 approved organisation **or contract** such an organisation to perform the required maintenance.

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Subpart B – Responsibilities – M.A.201

Notes:

1. M201 (c) – Any **person or organisation** performing maintenance shall be responsible for the tasks performed.
2. M201(j) – The owner / operator is responsible for granting the competent authority access to the organisation/aircraft to determine continued compliance with this CAR M.

Subpart B – Occurrence Reporting – M.202

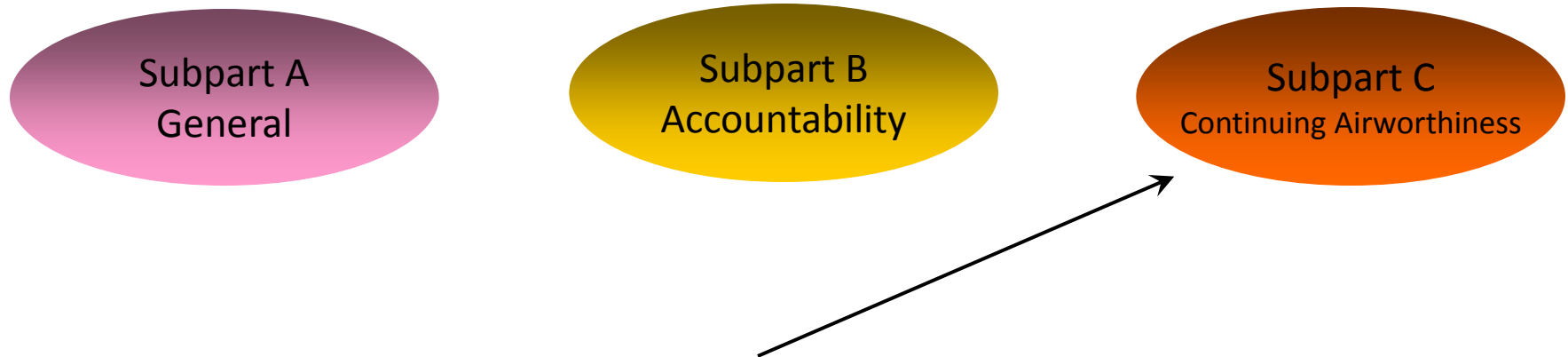
Occurrence Reporting

- a. Any person or organisation responsible iaw M.201 shall report to the State of Registry, TC or STC holder and State of Operator any **occurrence that could seriously hazard** an aircraft.
 - M. 201 specifies Owners/Operators/ Approved Organisations, CAR 66 staff, pilots etc.
- b. Reports shall be made in a manner established by the GCAA – i.e. ROSIs.

N/B: M202 (c) Person or Org. Maintaining the aircraft shall also report occurrences to owner/operator **and the Continuing Airworthiness Management Org**

CAR M Subparts – Applicability

Commercial Air Transport (CAT)



Includes : Continuing Airworthiness Tasks, Maintenance Programmes
Airworthiness Directives, Data for Mods and Repairs,
Aircraft Record Systems and Operators Technical Log Book.

Must be managed under the Operator's Part M Subpart G Approval.

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CAR M Subparts – Applicability

Commercial Air Transport (CAT)

Subpart A
General

Subpart B
Accountability

Subpart C
Continuing Airworthiness

Subpart D
Maintenance Standards

Subpart E
Components

Subpart G
Continuing Airworthiness
Management

Complements the Maintenance Standards
as specified in CAR 145.
Includes: Independent Inspections.

CAR M Subparts – Applicability

Commercial Air Transport (CAT)

Subpart A
General

Subpart B
Accountability

Subpart C
Continuing Airworthiness

Subpart D
Maintenance Standards

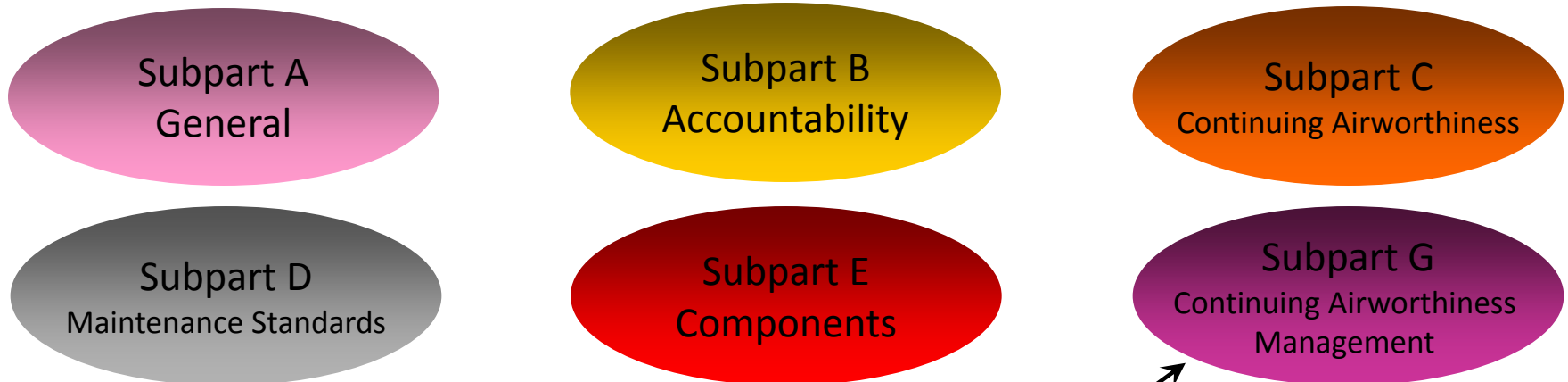
Subpart E
Components

Subpart G
Continuing Airworthiness
Management

Specifies Maintenance of Components in accordance with CAR 145. Procurement, Use and Traceability of Standard Parts, Raw and Consumable Materials. (Ref. CAR 145.42)

CAR M Subparts – Applicability

Commercial Air Transport (CAT)



Commercial Air Transport Operators required to hold CAR M Subpart G approval to manage Subpart C Continuing Airworthiness tasks.

Operators may hold additional privilege to recommend / issue Airworthiness Review Certificates.

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CAR M Subparts – Applicability

Commercial Air Transport (CAT)

Subpart A
General

Subpart B
Accountability

Subpart C
Continuing Airworthiness

Subpart D
Maintenance Standards

Subpart E
Components

Subpart G
Continuing Airworthiness
Management

Subpart I
Airworthiness Review
Certificate

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CAR M Subpart C – Continuing Airworthiness

- M. 301 – Continuing Airworthiness Tasks
- M. 302 – Maintenance Programme
- M. 303 – Airworthiness Directives
- M. 304 – Data for Modification and Repairs
- M. 305 – Aircraft Continuing Airworthiness Record System
- M.306 – Operator's Technical Log System
- M. 307 – Transfer of Aircraft Continuing Airworthiness Records

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CAR M Subpart C – M.301

Continuing Airworthiness tasks:

1. Pre-Flight inspections
2. Rectification of Defects.
3. Maintenance Programme tasks
4. Airworthiness Directives
5. Modifications and repairs (Changes)
6. Maintenance check flights.

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CAR M Subpart C – M.302

Maintenance Programme:

- An existing approved CAR OPS 1/3.910 Subpart M Maintenance programme will normally satisfy Part M M.302 Maintenance programme requirements.
- An Operator will need to demonstrate that their Approved Maintenance Schedule satisfies CAR M.302 for an approved Maintenance programme.
 - The Maintenance Programme must be owned and managed by the AOC Operator under their CAR M Subpart G approval.

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CAR M Subpart C – M.305

Aircraft record system

Shall contain the current:

1. Airworthiness Directive status
2. Modification and repair status
3. Maintenance programme compliance
4. Life limited component status
5. Mass and Balance report
6. List of deferred maintenance.

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CAR M Subpart C – M.305

Aircraft record system

In addition should include:

Component authorised release document i.e GCAA AW Form 1. and

Component identification, P/Ns, S/Ns etc

Records controlled by the Operator or by the person responsible for continuing airworthiness tasks

All records must be clear and accurate, all corrections must show the original entry

Para (h) - Gives details of storage periods of Aircraft records

CAR M Subpart C – M.306

Operator's Technical Log System as required by CAR-OPS 1.185/1.1071

- a. Shall contain the following information:
- i. Flight safety information.
 - ii. Current CRS.
 - iii. Current maintenance statement.
 - iv. Outstanding deferred defects.
 - v. Maintenance support arrangements.
(+ Any necessary guidance instructions)





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CAR M Subpart C – M.306

Operator's Technical Log System

- b. Subsequent amendments shall be approved by the competent authority
- c. Operator shall ensure the technical log is retained for 36 months after the last entry

WISTON HELICOPTERS LTD AND ASSOCIATED COMPANIES REDHILL AERODROME REDHILL, SURREY										JMA General No CAA 00055		TECHNICAL LOG RECORD SHEET				AIRCRAFT TYPE A330M0		BASE ZJ253		DATE MAY		SHEET NUMBER 53062	
<div style="display: flex; justify-content: space-between;"> <div> FUEL FUEL TYPE/GRGINS TOTAL TOTAL LIT LIT </div> <div> FUEL AS STATED TOTAL LIT </div> <div> OIL (LITRE) LITRE LITRE </div> </div>										FLIGHT FLIGHT FLIGHT		DEPARTURE DEPARTURE DEPARTURE		FLIGHT/GROUND REPORT/TEST REQUIREMENTS FORM NO RESULT		PILOT SIG SIGNATURE TIME		PRE-FLY TURNING/IN AND/OR AS STATED SIGNATURE TIME		CAPTAIN'S ACCEPTANCE OF AIRCRAFT SIGNATURE TIME			
1	ARRIVAL	DEPARTURE	INITIAL	No 1	No 2	No 1	No 2	FORM NO	RESULT	PILOT SIG	SIGNATURE	TIME	SIGNATURE	TIME									
2	260	420	420						NOT CARRIED OUT														
3									NOT CARRIED OUT														
4									NOT CARRIED OUT														
5									NOT CARRIED OUT														
6									NOT CARRIED OUT														
7									NOT CARRIED OUT														
8									NOT CARRIED OUT														

Maintenance Inspection 3246 completed on 20.02.2023 at 3:36 Hours. Next inspection 20.02.2023 due at 22:47 Hrs. on 28.3.2023 (date)

PILOT	FROM	TO	TAKE OFF TIME	LANDING TIME	FLIGHT TIME	LANDINGS	RINS	FALL CYCLES/STARTS		ASBR CYCLES/FLIGHTS		25% MIN. RATING		SCORING HRS BOTH PILOTS	
								No 1	No 2	No 1	No 2	No 1	No 2	No 1	No 2
1	2023	EGVP	EGVP	0750	1045	1.15	1	1	8						
2	LINDSEY	MW	MW	1550	1200	1.10	1	1	7						
3	LINDSEY	MW	MW	1305	1426	1.26	4	1	7						
4	LINDSEY	MW	MW	1550	1700	1.16	1	1	6						
5															
6															
7															
8															

NOTE: Record the number of Power Change/Lit events during each flight in the 'RINS' column.

See definition at rear of Tech. Log.

CERTIFICATE OF RELEASE TO SERVICE: Details that the work specified except as otherwise specified was carried out in accordance with JAR 145 and in respect to that work the aircraft/craft component a continued ready for release to service.

JMA Approval No: CAA 00055 ACTION TAKEN

RECORDS OF DEFECTS - IF NONE ENTER 'NIL'				REPAIRS		ACTION TAKEN		SIGNATURE		DATE	
NO	DEFECT	REPAIRS	DATE	NO	REPAIRS	NO	REPAIRS	SIGNATURE	AUTH: NO	DATE	DATE
1	OVERHAUL TO 73% @ PORTS FOR 2 SECS.	1000	12.5	1	5676	550662-01					
2	NIL	1435	17.35								
3	NIL										
4	NIL										

DAILY CHECK carried out in accordance with the applicable Maintenance Schedule

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CAR M Subpart C – M.307

Transfer of aircraft continuing airworthiness records:

Operator shall ensure all continuing airworthiness records are transferred when the aircraft is permanently transferred.

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CAR M Subpart D - Maintenance Standards



- M. 401 – Maintenance Data
- M. 402 – Performance of Maintenance
- M. 403 – Aircraft Defects

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CAR M Subpart D – M.402

Performance of maintenance

- a. All Maintenance shall be performed by qualified personnel using current maintenance data.
 - i. **Independent Inspections** shall be carried out after any flight safety sensitive maintenance task unless otherwise specified by CAR 145 or agreed by the GCAA and i.a.w. CAR Part V, Chapter 2 Section 9
 - ii. In the UAE the GCAA will continue to require Duplicate Inspections to be performed in accordance with CAR Part V, Chapter 2, Section 9

CAR Subpart E – Components

- M 501 – Installation (Standard parts and Material require evidence of conformity)
- M 502 – Component Maintenance
- M 503 – Service Life limited components
- M 504 – Control of unserviceable components

N/B: Definition of Standard Parts in GM to CAR 21.303

CAR M Presentation



CAR Subpart F – Maintenance Organization

1. Applicable to Orgs. for maintenance of aircraft and components not listed in M.201(g) which states - **maintenance of large aircraft, aircraft used for commercial air transport and components thereof shall be carried out by a CAR 145 Org.**
2. Approval issued for one year and i.a.w. requirements in this Sub part

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CAR M Subpart G

Continuing Airworthiness Maintenance Organisation



CAR M Subpart G

Continuing Airworthiness Maintenance Organisation

- M.701 - Scope
- M.702 - Application
- M.703 - Extent of Approval
- M.704 - Continuing Airworthiness Management Exposition (CAME)
- M.705 - Facilities
- M.706 - Personnel Requirements
- M.707 - Airworthiness Review Staff
- M.708 - Continuing Airworthiness Management
- M.709 - Documentation

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CAR M Subpart G

Continuing Airworthiness Maintenance Organisation

- M.710 - Airworthiness Review
- M.711 - Privileges of the Organisation
- M.712 - Quality System
- M.713 - Changes to the Approved Continuing Airworthiness Organisation
- M.714 - Record Keeping
- M.715 - Continued Validity of the Approval
- M.716 - Findings

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CAR M Subpart G – M.701

Scope:

This subpart establishes the requirements to be met by an organisation to qualify for the issue or continuation of an approval for the management of aircraft continuing airworthiness.

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CAR M Subpart G – M.702

Application:

- For Commercial Air Transport, an application for the issue of a CAR M Subpart G - Continuing Airworthiness Management approval shall be made to the GCAA as part of the AOC application.

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CAR M Subpart G – M.702

Application:

- For Commercial Air Transport, an application for the issue of a CAR M Subpart G - Continuing Airworthiness Management approval shall be made to the GCAA as part of the AOC application.
- For a standalone (independent) Part M Subpart G approval (Non CAT), an application shall be made to Airworthiness Admin. Department, GCCA Dubai Office
- Application Forms – see GCAA website

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CAR M Subpart G – M.703

- Extent of approval
 - (a) Specified by the issue of an Approval Certificate and further defined in the scope of work in the Continuing Airworthiness Management Exposition (CAME).
 - (b) Part of the Air Operators Certificate for Commercial Air Transport Operators.

CAR M Subpart G – M.704

- Continuing airworthiness management exposition (CAME)
 1. Accountable Managers statement.
 2. Scope of Work.
 3. Nominated post holders.
 4. Organisation chart.
 5. Airworthiness review staff.
 6. Description and location of facilities.
 7. Organisational procedures.
 8. Amendment process.
- Appendix V to AMC M.704 – gives a breakdown of CAME

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CAR M Subpart G – M.705/706

M. 705 Facilities:

The continuing airworthiness management organisation shall provide suitable office accommodation at appropriate locations for the personnel specified in M.A.706.

M.706 – Personnel requirements:

- a) &b) Accountable Manager.
- c) Nominated persons (management).
- d) Nominated Post Holder for continuing airworthiness activities.
- f) Sufficient appropriately qualified staff.
- g) Must have relevant knowledge and experience

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CAR M Subpart G – M.707

Airworthiness Review staff:

- Review staff will be identified in continuing airworthiness management exposition (CAME) together with their authorisation reference.
- Qualifications as per M 707 (a)
- Records will be maintained of all review staff

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CAR M Subpart G – M.708

Continuing airworthiness management

- a. The management of Subpart C tasks
- b. For every aircraft the organisation shall:
 - 1. Develop a maintenance programme
 - 2. Manage the approval of changes.
 - 3. Ensure all maintenance is carried out.
 - 4. Ensure all airworthiness directives are complied with

CAR M Subpart G – M.708

- b. For every aircraft the organisation shall (contd..):
 - 6. Ensure reported defects are corrected
 - 7. Co-ordinate all scheduled maintenance
 - 8. Manage continuing airworthiness records
 - 9. Ensure the mass & balance is correct.
- c. **Commercial Air Transport** – Operator's contract with a Part 145 maintenance organisation.

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CAR M Subpart G – M.709

Documentation

The approved continuing airworthiness management organisation shall hold and use applicable current M.A.401 maintenance data in the performance of M.A.708 continuing airworthiness tasks.

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CAR M Subpart G – M.710

Airworthiness Review:

- a. To satisfy Subpart I, a full documented review of the aircraft records shall be carried out by the approved continuing airworthiness management organisation
 - Aircraft records as listed in this para. (a) of M 710 (items 1 to 12)

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CAR M Subpart G – M.710

Airworthiness Review:

- a. To satisfy Subpart I, a full documented review of the aircraft records shall be carried out by the approved continuing airworthiness management organisation
 - Aircraft records as listed in this para. (a) of M 710 (items 1 to 12)
- b. The approved Part M Subpart G organisation shall perform a physical survey of the aircraft . Staff not qualified to CAR 66 (Category B or C) in the appropriate sub category of the aircraft shall be assisted by such staff.

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CAR M Subpart G – M.710

Airworthiness Review:

- a. To satisfy Subpart I, a full documented review of the aircraft records shall be carried out by the approved continuing airworthiness management organisation.
 - Aircraft records as listed in this para. (a) of M 710 (items 1 to 12)
- b. The approved Part M Subpart G organisation shall perform a physical survey of the aircraft . Staff not qualified to CAR 66 (Category B or C) in the appropriate sub category of the aircraft shall be assisted by such staff.
- c. Aircraft survey shall include, Placards and Markings, Flight Manual, Configuration Approved, Defects Addressed i.a.w M. 403, no inconsistencies between aircraft and records.

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CAR M Subpart G – M.710

Airworthiness Review:

- d. The airworthiness review can be anticipated by a maximum period of 90 days to allow the physical review to take place during a maintenance check.

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CAR M Subpart G – M.710

Airworthiness Review:

- d. The airworthiness review can be anticipated by a maximum period of 90 days to allow the physical review to take place during a maintenance check.
- e. An Airworthiness Review Certificate Form 15(b) shall be issued (for aircraft which have been in a controlled environment for more than 12 months), or, a recommendation to the Competent Authority (for the issue of an Form 15(a)) is made by appropriately authorised airworthiness review staff when satisfied that the review has been properly carried out.

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CAR M Subpart G – M.710

Airworthiness Review:

- f. **Where a Form 15(b) is issued by a CAR M Subpart G organisation for an aircraft in a controlled environment, it will require to be 'Endorsed' by the GCAA to make it a valid document.**

CAR M Subpart G – M.710

Airworthiness Review:

- f. Where a Form 15(b) is issued by a CAR M Subpart G organisation for an aircraft in a controlled environment, it will require to be 'Endorsed' by the GCAA to make it a valid document.
- g. Airworthiness Review tasks shall not be sub-contracted.
 - The CAR M Subpart G applying for the additional airworthiness review privilege will need to demonstrate they have the in-house expertise and resources to carryout airworthiness reviews.

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CAR M Subpart G – M.710

Airworthiness Review:

- f. Where a Form 15(b) is issued by a CAR M Subpart G organisation for an aircraft in a controlled environment, it will require to be 'Endorsed' by the GCAA to make it a valid document.
- g. Airworthiness Review tasks shall not be sub-contracted.
 - The CAR M Subpart G applying for the additional airworthiness review privilege will need to demonstrate they have the in-house expertise and resources to carryout airworthiness reviews.
- h. Should the outcome of an airworthiness review be inconclusive, the CAR M Subpart G organisation shall inform the competent authority.

CAR M Presentation



CAR M Subpart G – M.711

1. Privileges of the Subpart G approved organisation
 - a. Manage the continuing airworthiness of non commercial air transport aircraft as listed on the approval certificate.

CAR M Presentation



CAR M Subpart G – M.711

1. Privileges of the Subpart G approved organisation
 - a. Manage the continuing airworthiness of non commercial air transport aircraft as listed on the approval certificate.
 - b. For a Commercial Air Transport Operator, manage the continuing airworthiness of the commercial air transport aircraft listed on their Air Operators Certificate.
 - Sub-contract continuing airworthiness tasks to another organisation working under its quality system. (Ref. Appendix II).

CAR M Presentation



CAR M Subpart G – M.711

2. A Subpart G approved organisation may additionally be approved to:
 - a. Issue an Airworthiness Review Certificate
 - Issue Form 15(b) ARC for aircraft as listed on their approval certificate which are within a controlled environment, or;

CAR M Subpart G – M.711

2. A Subpart G approved organisation may additionally be approved to:
 - a. **Issue an Airworthiness Review Certificate**
 - Issue Form 15(b) ARC for aircraft as listed on their approval certificate which are within a controlled environment, or;
 - b. Make a recommendation for the airworthiness review to GCAA
 - Perform an airworthiness review and make a recommendation for an ARC on a 'Used' aircraft being imported from outside the GCAA

CAR M Subpart G – M.712

Quality System

- a) Subpart G organisation must establish a quality system and designate a Quality Manager.
- b) **Monitor all Subpart G activities**
 - All CAW activities being performed in accordance with (iaw) approved procedures. (Including sub-contract tasks)
 - Monitoring contracted maintenance being carried out iaw the contract.

CAR M Presentation



CAR M Subpart G – M.712

Quality System

- a) Subpart G organisation must establish a quality system and designate a Quality Manager.
- b) Monitor all Subpart G activities
 - All CAW activities being performed in accordance with (iaw) approved procedures. (Including sub-contract tasks)
 - Monitoring contracted maintenance being carried out iaw the contract.
- AMC M. 712(b) – Quality Independent Audit
 - All aspects of CAR M Subpart G compliance will be checked annually, including all the sub contract activities. Shall also include some product sampling.
 - May be completed as a single exercise or subdivided over the year in accordance with the organisations audit plan.

CAR M Subpart G – M.712

Quality System contd.

- c) Records of quality activities retained for two years.
- d) May be combined with another Part.
- e) For **Commercial Air Transport (CAT)** the quality system shall be an integral part of the Operators quality system.
- f) In the case of a small org. that is not managing CAT A/C, the quality system can be replaced by performing organisational reviews on a regular basis. (Reference CAR M AMC Appendix VIII.)

CAR M Presentation



CAR M Subpart G – M.713

Continuing airworthiness organisation's shall notify the GCAA of any changes to:

1. Name of the organisation
2. Location of the organisation
3. Additional locations
4. Accountable manager
5. Any nominated persons
6. Facilities, procedures, work scope and staff affecting the approval

CAR M Presentation



CAR M Subpart G – M.714

Record-keeping

CAMO shall:-

Record all details of work carried out

Retain a copy of each (ARC) and recommendation issued +supporting documents.

Retain (ARC) records 2 yrs after (pws)

Protect from damage alteration & theft

Keep computer backup at different locations

Transfer all records with the aircraft

Transfer all records to the owner when operations are terminated

CAR M Presentation



CAR M Subpart G – M.715

Continued validity of approval :-

1. Issued for one year
2. Findings handled appropriately
3. Authority being given access

Certificate being returned to GCAA upon surrender or revocation.

CAR M Presentation



CAR M Subpart H

M 801 – Aircraft Certificate of Release to Service (CRS)

Only for aircraft that are not released i.a.w. CAR 145

M 802 – Component CRS

Only for components that do not require a CAR 145 CRS

M 803 – Pilot-Owner Authorization

Only for privately operated aircraft below 2730 kg,
sailplanes, balloons

CAR M Presentation



CAR M Subpart I – Airworthiness Review Certificate

- M.901 – Aircraft Airworthiness Review (ARC)
- M.902 – Validity of ARC
- M.903 – Transfer of Aircraft Registration to outside UAE
- M.904 – Airworthiness Review of Aircraft Imported into the UAE
- M.905 - Findings

CAR M Presentation



CAR M Subpart I – M.901

Airworthiness Review Certificate (ARC)

- An ARC (Form 15a or 15b) is issued upon completion of a satisfactory review and is valid for one year.
- Form 15a will be issued by the GCAA.
GCAA will issue for 'New' aircraft and, following a recommendation from a CAR M Subpart G, issue / renew for 'Used' aircraft.
- Form 15b will be issued by Approved Org. but needs to be endorsed by the GCAA
- The ARC or endorsed ARC is considered part of the Certificate of Airworthiness

Subpart I – M. 902

Validity of Airworthiness Review Certificate

- a) An Airworthiness Review Certificate becomes invalid if:
- a. Suspended or revoked; or
 - b. The Certificate of Airworthiness (C of A) is suspended or revoked.
 - c. The aircraft is no longer on the register of the UAE.
 - d. The applicable type certificate is suspended or revoked.

Validity of ARC – Subpart I-M. 902

- a) **An Airworthiness Review Certificate becomes invalid if:**
 - a) Suspended or revoked; or
 - b) The Certificate of Airworthiness (C of A) is suspended or revoked.
 - c) The aircraft is no longer on the register of the UAE.
 - d) The applicable type certificate is suspended or revoked.
- b) **An aircraft must not fly if the C of A is invalid or:**
 - a) The continuing airworthiness or any component does not meet Part M requirements, or;
 - b) The aircraft does not remain in conformity with the type design.
 - c) The aircraft has been operated beyond the limitations of the Flight Manual without appropriate action being taken.
 - d) The aircraft has been involved in an accident without subsequent action being taken to restore airworthiness.
 - e) A modification or repair has not been approved iaw CAR 21.

CAR M – List of Appendices

Not to be confused with CAR M AMC Appendices

CAR M Appendices are part of the Implementing Rule

Appendix I – Continuing Airworthiness Arrangement
Specifies contract arrangement between Owner and CAR M Subpart G continuing airworthiness organisation in accordance with M. 201(i).

(Applicable to Non CAT only)

Appendix II – GCAA AW Form 1

Appendix III – Airworthiness Review Certificate

Appendix IV – Approval Ratings

Appendix V – Application for Maintenance Organization Approval
(Form AWF-AMO-007)

CAR M Presentation



CAR M – List of Appendices

Appendix VI – Approval Certificate for CAR Subpart G Approval
(Form AWF-ARC-014)

Appendix VII – Complex Maintenance Tasks

Appendix VIII – Limited Pilot Owner Maintenance

CAR M AMC List of Appendices

Not to be confused with CAR M Appendices

CAR M AMC Appendices form part of the Acceptable Means of Compliance to CAR M

Appendix I to AMC M.302– Content of the Maintenance Programme
Provides guidance on the content of a maintenance programme

Appendix II to AMC M 201 – Sub-contracting of Cont. Airworthiness Management Tasks

Appendix III – reserved

Appendix IV to M 604 – Maint. Org. Manual (MOM) (Subpart F)

Appendix V to M.704 – CAME

CAR M AMC List of Appendices

Appendices VI and VIII – reserved

Appendix VIII to M 616 – Org. Review features

Appendix IX - Application for CAR 145/CAR M Subpart F Approval
(Form AWF-AMO-001)

Appendix IXa – Application for CAR M Subpart G Approval
(Form AWF-ARC-14A)

Appendix X – Application for Nominated Personnel
(Form GTF-NPA-001)

Appendix XI to M 708 – Contracted Maintenance

Appendix XII to M 706 – Fuel Tank Safety Training

Appendix XIII – Organizational Review i.a.w. CAR M 712(f)

CAR M Presentation



CAR M AMC List of Appendices

Appendix I – Content of the Maintenance Programme

Provides guidance on the content of a maintenance programme

Appendix II – Sub-contracting of Continuing Airworthiness Management Tasks

Procedures whereby a CAR M Subpart G organisation may sub-contract certain CAW tasks to another organisation

CAR M Presentation



GCAA
دولة الإمارات العربية المتحدة
الهيئة العامة للطيران المدني
UAE General Civil Aviation Authority

CAR M AMC List of Appendices

Appendix I – Content of the Maintenance Programme

Provides guidance on the content of a maintenance programme

Appendix II – Sub-contracting of Continuing Airworthiness Management Tasks

Procedures whereby a CAR M Subpart G organisation may sub-contract certain CAW tasks to another organisation

Appendix IV – Maintenance Organisation Manual

Provides guidance on the content of a Maintenance Organisation Manual applicable to a CAR M Subpart F organisation.

(Applicable Non CAT only and 'Non – Large' A/C)

CAR M AMC List of Appendices

Appendix V – Continuing Airworthiness Management
Organisation Exposition (CAME)

Provides guidance on the contents of a CAME

Appendix VIII – To CAR M 616 having Org. Reviews instead of Quality

Appendix XI to M 708 – Contracted Maintenance a sample of
contract

Appendix XII to M 706 – Fuel Tank Safety Training

Appendix XIII to M 712(f) - Use of an Organizational Review Systems
instead of a Quality System for small orgs.

(AMC states up to 5 full time staff)

Applications/Forms

- All required applications will be sent to the GCAA using appropriate forms that are available on the GCAA website.
- Form Numbers - as shown in the Appendices and in the GCAA web site



GCAA

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UAE General Civil Aviation Authority

End

Any further Questions please!

Feedback to:

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