

Part-M, Continuing airworthiness requirements - detailed



Part M of the Commission Regulation EC No. 2042/2003

Learning outcomes

On completion of their training trainees should be able to do:

| Lead | Component | Content | Level |
|---|--|--|-------|
| Explain | Explain the definitions: -Aircraft -Certifying staff -Component -Continuing Airworthiness (CAW) -Large aircraft -Maintenance -Organisation -Pre-flight inspection -Principal place of business | Article 1 | 1 |
| | | Article 2 | 1 |
| | -Explain the Regulation on continuing airworthiness requirements. | Article 3 | 1 |
| Explain | -Explain the Permit to fly | Annex (Part 21) to Commission Regulation (EC) No 1702/2003. | 1 |
| Summarise | -summarise the maintenance organisation approvals | Article 4 | 1 |
| | -summarise Certifying staff | Article 5 | 1 |
| | -summarise the Scope of Part-M | Subpart A - General | 1 |
| Identify Summarise Explain | -Identify all the responsibilities | Subpart B - Accountability | 1 |
| | -Summarise the meaning of the "adequate knowledge of the design status". -Continuing airworthiness arrangements/contract -summarise the sub-contracting arrangements. | M.A.201 Appendix I to Part-M | 2 |
| Define Summarise Explain | -Summarise occurrence reporting requirements. | M.A.202 | 2 |
| | -define the occurrence reporting system. | AMC 20-8 General AMC for Airworthiness of Products, Parts and Appliances | 1 |
| Subpart C – Continuing airworthiness | | | |
| List Describe Explain Define | -list all the eight the continuing airworthiness tasks. -define the Pre-flight inspection | M.A.301 Continuing airworthiness tasks | 2 |
| | -explain aircraft maintenance programmes -describe the content of the maintenance programme - describe the amendments requirements. -permitted variations to maintenance periods -manage periodic review of the AMP contents. -control contracted | M.A.302 Appendix I to AMC M.A.302 and AMC M.B.301(b) | 2 |

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| | maintenance -evaluate and control Reliability Programmes -Applicability -Engineering judgement | | |
| Describe | -Airworthiness Directives | M.A.303 | 1 |
| | -describe the control of the data for the modifications and repairs | M.A.304 | 2 |
| Monitor Identify | -Monitor the CAW record system -Identify logbooks -Identify service life-limited components and component vital to flight safety | M.A.305 | 2 |
| Control Monitor | -control and monitor the operator's technical log system -Control the technical log -Monitor information considered necessary to ensure continued flight safety. | M.A.306 | 2 |
| List Explain | -List all the task to be performed in the case of transfer of aircraft CAW records. | M.A.307 | 2 |
| Subpart D – maintenance standards | | | |
| List Define Explain Summarise | -define maintenance standards methods, -list the techniques, standards and instructions -explain the independent inspection. -summarise the performance of maintenance | Subpart D | 1 |
| Describe Explain | -Describe the applicable current maintenance data - Explain the work card or worksheet system | M.A.401 Maintenance data | 2 |
| Summarise | -summarise the limited Pilot-Owner maintenance | AMC M.A.402(a) | 2 |
| | | Appendix VIII of Annex I (Part-M) of Regulation (EC) No 2042/2003. | 2 |
| Summarise Define | -summarise the handling of the aircraft defects in maintenance and how the defects that hazards seriously the flight safety shall be rectified before further flight. -define the MEL | M.A.403 | 2 |
| Subpart E - Components | | | |
| Summarise | -summarise the maintenance of the components | Subpart E | 1 |
| Define | -define components eligible to be fitted and a document equivalent to an EASA Form 1 | M.A.501 Installation | |
| | -No component may be fitted | Part-M, Appendix II, EASA Form 1 | |

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| | unless it is in a satisfactory condition | | |
| Define | -define standard parts | | 2 |
| | -define raw material or consumable material | | |
| Explain | - Explain the purpose of the EASA Form 1 | | |
| Summarise | -summarise the possible documentations accompanying the standard parts | | |
| Explain | -explain the documentation for items purchased in batches. | | |
| Summarise | -summarise the maintenance of components | M.A.502 | 2 |
| Define | -define the service life limited components | M.A.503 | 1 |
| Explain | - explain the control of the unserviceable and unsalvageable components - explain mutilation of the unsalvageable components | M.A.504 | 2 |
| Subpart H - Certificate of release to service | | | |
| Explain Define Summarise | -summarise the aircraft certificate of release to service: -define when the certificate of release to service shall be issued according to Subpart-H -define appropriate certifying staff - explain the meaning of <i>unforeseen</i> situations | Subpart H | 2 |
| Explain | -explain the meaning of " <i>Holding the proper qualifications</i> ". | M.A.801 | 2 |
| Summarise | -summarise the content of the aircraft Certificate of release to service | | |
| Explain | Explain the meaning of ' <i>Endangers flight safety</i> '. | | |
| Summarise | -summarise the component certificate of release to service | M.A.802 | 2 |
| Explain Define | -define the Pilot-owner authorisation requirements -explain how to qualify as a " <i>Pilot-owner</i> " | M.A.803 | 2 |
| Summarise | -summarise the Pilot-owner maintenance tasks and the authorisations | Appendix VIII. | 2 |
| Define | -define the complex maintenance tasks | Appendix VII | 2 |
| Subpart I and Subpart G – Airworthiness review and certificate | | | |
| Explain Define | -Explain the On-going validity of the Airworthiness review | Subpart I | 1 |

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| | certificate -define a "Controlled environment". | | |
| Use | Use the EASA Forms 15a and 15b | Appendix III | 2 |
| Describe Define Explain Summarise | Explain requirements on ARC when transferring the registration of the aircraft within the EU -explain airworthiness review -summarise the <i>Recommendation</i> -describe how the new expiration date of the ARC (after extension) is set one year after the previous expiration date | M.A.901 | 2 |
| Explain | Explain when the ARC becomes invalid and the aircraft is grounded | M.A.902 | 1 |
| Summarise | -summarise transfer of aircraft registration within the EU | M.A.903 | 2 |
| | -summarise airworthiness review of aircraft imported into the EU | M.A.904 | 2 |
| Define | -define all the Finding levels | M.A.905 | 1 |
| Describe | -describe the airworthiness review containing the full documented review of documents and the physical survey | M.A.710 | 2 |