

## Part-145 Organisation



### Part-M and Part-145 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 Summarise	<p>Explain the definitions:</p> <ul style="list-style-type: none"> <li>-Aircraft</li> <li>-Certifying staff</li> <li>-Component</li> <li>-Continuing Airworthiness (CAW)</li> <li>-Large aircraft</li> <li>-Maintenance</li> <li>-Organisation</li> <li>-Pre-flight inspection</li> <li>-Principal place of business</li> </ul> <p>-summarise the Regulation on continuing airworthiness requirements.</p> <p>-summarise the structure of the regulation concerning the maintenance organisation approvals and certifying staff</p>	Articles	1
Define	-define the Scope of Part-M	Subpart A - General	1
<b>Subpart B - Accountability</b>			
Identify Summarise Explain	<p>-Identify all the responsibilities</p> <p>-Summarise the meaning of the "adequate knowledge of the design status".</p> <p>-summarise continuing airworthiness arrangements/contracts</p> <p>-explain the subcontracting arrangements.</p>	<p>M.A.201</p> <p>Appendix I to Part-M</p>	2
Summarise Explain	-Summarise occurrence reporting requirements.	M.A.202	2
	-explain the occurrence reporting system.	AMC 20-8 General AMC for Airworthiness of Products, Parts and Appliances	1
<b>Subpart C – Continuing airworthiness</b>			
List Define	<p>-list all the eight continuing airworthiness tasks.</p> <p>-define the Pre-flight inspection</p>	M.A.301	1
Explain Summarise	<p>- explain aircraft maintenance programmes</p> <p>-summarise the content of the maintenance programme.</p>	<p>M.A.302</p> <p>Appendix I to AMC M.A.302 and AMC M.B.301(b)</p>	1
Define	-define responsibilities of the data for the modifications and	M.A.304	2

	repairs		
<b>Subpart D – maintenance standards</b>			
Define Explain	-define the applicable current maintenance data - explain the work card or worksheet system -define maintenance standards ,methods, techniques and instructions	M.A.401 Maintenance data	2
Define Summarise	-summarise the performance of maintenance -define the independent inspection	M.A.402  Appendix VIII of Annex I (Part-M) of Regulation (EC) No 2042/2003.	2
Summarise Define	-summarise the handling of the aircraft defects and how the defects that hazards seriously the flight safety shall be rectified before further flight. -define the MEL	M.A.403	2
<b>Subpart E - Components</b>			
Explain Define Summarise	-define components eligible to be fitted  -define a document equivalent to an EASA Form 1  -define standard parts  -raw material or consumable material  - Explain the purpose of the EASA Form 1  Examples of specifications:  -"Required" in the term "non-required" as used above means required by the applicable airworthiness code (CS 22.1303, 22.1305 and 22.1307)  -summarise the possible documentations accompanying standard parts  -explain the documentation for items purchased in batches	M.A.501 Installation  Part-M, Appendix II, EASA Form 1	2
Summarise	-summarise the maintenance of components	M.A.502	2
Define	-define 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

<b>Part-145</b>			
Define	-define the competent authority for the Part-145	145.1 General	1
<b>Section A</b> Technical requirements			
Define Summarise	<ul style="list-style-type: none"> <li>-define the scope of the organisation.</li> <li>-define the line maintenance and the base maintenance</li> <li>-summarise base maintenance tasks to be performed by a line maintenance organisation</li> <li>-summarise the requirements when the organisation uses facilities both inside and outside the Member State such as satellite facilities, sub-contractors, line stations etc.,</li> <li>-summarise requirements for the different size small organisations</li> </ul>	145.A.10	2
Use Prepare	-prepare the application and use of the EASA Form 2	145.A.15 Appendix III to AMC to Part-145	2
Define Summarise	Terms of approval: <ul style="list-style-type: none"> <li>-define the scope of work</li> <li>-summarise ATA Specification for the category C component Rating</li> </ul>	145.A.20 Appendix IV to Annex I (Part-M)	2
Describe Explain Summarise	<ul style="list-style-type: none"> <li>-explain all the facility requirements for all planned work:</li> <li>-hangars</li> <li>-explain the aircraft hangar visit plan</li> <li>-summarise component workshop requirements</li> <li>-explain secure storage facilities</li> <li>- summarise storage requirements</li> </ul>	145.A.25	2
List Describe Explain Summarise	<ul style="list-style-type: none"> <li>-list the Personnel requirements and role of the accountable manager, a nominated person or group of persons, a base maintenance manager, a line maintenance manager, a workshop manager and a quality manager.</li> <li>-describe the maintenance man-hour plan</li> <li>-describe the "control the competence" of personnel involved in maintenance, management and/or quality audits</li> </ul>	145.A.30	2

	<ul style="list-style-type: none"> <li>-describe the NDT personnel, Specialised services staff requirements.</li> <li>-describe the certifying staff requirements for organisation facilities located outside the Community territory</li> <li>-explain limited certification authorisation and a repetitive pre-flight airworthiness directives.</li> <li>-explain the one-off certification authorisation</li> <li>-summarise the Recurrent training and the Human Factor training requirements</li> <li>-summarise the purpose of the category A licence issuing an aircraft certificate of release to service</li> <li>-define grounded aircraft and the meaning of "unforeseen".</li> </ul>		
<p>Explain Describe Define Summarise</p>	<ul style="list-style-type: none"> <li>-explain the Certifying staff and support staff requirements.</li> <li>-describe the "Certification authorisation"</li> <li>-define the "Authorised person"</li> <li>-Describe issue of the certification authorisation.</li> <li>-Explain the validity period of the authorisation</li> <li>-summarise the records of certifying staff and support staff</li> <li>-define the minimum age for certifying staff and support staff</li> <li>-summarise the competence and capability.</li> <li>-explain the continuation training requirements</li> </ul>	145.A.35	2
<p>Explain Describe Summarise</p>	<ul style="list-style-type: none"> <li>-describe equipment, tools and material requirements</li> <li>-explain control and calibration and time-limits of tools and officially recognised standard for calibration</li> <li>-availability of tool</li> <li>-explain the meaning of the "sufficient aircraft access equipment and inspection platforms/docking"</li> <li>-tools and equipment as specified in the maintenance data</li> </ul>	145.A.40	2
	<ul style="list-style-type: none"> <li>-summarise the acceptance of components</li> </ul>	145.A.42	2

	<ul style="list-style-type: none"> <li>- define the EASA Form 1 and documents equivalent to an EASA Form 1</li> <li>-explain the raw and consumable material requirements</li> <li>-explain the classification, segregation of the Unserviceable components and of the Unsalvageable components</li> <li>-summarise fabrication requirements</li> <li>-summarise the requirements concerning the components which have reached their certified life limit or contain a non-repairable defect</li> </ul>		
Explain Define	-Explain and define applicable current maintenance data	145.A.45	2
Summarise	<ul style="list-style-type: none"> <li>-summarise the production planning</li> <li>-summarise the planning of maintenance tasks and the organising of sifts.</li> </ul>	145.A.47	2
List Explain Summarise Identify	<p>Summarise the Certification of maintenance.</p> <p>List the content of the CRS and explain when it shall be issued and when it should not be issued.</p> <ul style="list-style-type: none"> <li>-summarise requirements concerning new defects or incomplete maintenance work orders.</li> <li>-identify the component Certificate of release to service, EASA Form 1.</li> </ul>	145.A.50 Appendix II to Annex I (Part-M)	2
List Summarise	<ul style="list-style-type: none"> <li>-list maintenance records and systems.</li> <li>-summarise reconstruction of lost or destroyed records</li> </ul>	145.A.55	2
Explain	Explain the occurrence reporting system.	145.A.60 <i>Note: This paragraph is overlapping with the occurrence reporting requirements in Part-M, Subpart-B Accountability.</i>	2
Summarise Describe Explain	<ul style="list-style-type: none"> <li>-summarise the safety and quality policy, maintenance procedures and quality system.</li> <li>-summarise how the organisation shall establish a safety and quality policy for the organisation to be included in the exposition taking into account human factors and human performance to ensure good maintenance practices</li> <li>-Describe the content of the safety and quality policy statement.</li> </ul>	145.A.65	2

	<ul style="list-style-type: none"> <li>-explain procedures to minimise the risk of multiple errors and capture errors on critical systems</li> <li>-summarise the quality feedback system</li> <li>-describe the meaning of the Independent audits</li> <li>-recognise safety as a prime consideration at all times</li> </ul>		
Describe Explain	<ul style="list-style-type: none"> <li>-describe the content and structure of Maintenance organisation exposition</li> <li>-explain the meaning and the content of the statement signed by the accountable manager</li> <li>-explain different exposition formats</li> </ul>	145.A.70	2
Define	<ul style="list-style-type: none"> <li>-define the privileges of the organisation</li> <li>-summarise the fundamentals of sub-contracting under Part-145 and the procedures for the control of sub-contractors not approved under Part-145.</li> </ul>	145.A.75	2
Summarise	<ul style="list-style-type: none"> <li>-summarise the limitations on the organisation where the larger organisation may temporarily not hold all the necessary tools, equipment etc., for an aircraft type or variant specified in the organisation's approval</li> </ul>	145.A.80	2
Explain Define	<ul style="list-style-type: none"> <li>-explain changes to the organisation and define when the organisation shall notify the competent authority</li> </ul>	145.A.85	2
Summarise	<ul style="list-style-type: none"> <li>-summarise continued validity</li> </ul>	145.A.90	2
Define	<ul style="list-style-type: none"> <li>-define the levels of Findings and corrective action.</li> </ul>	145.A.95	2