

Name of Assessed Person:

Registration:

UNIT MEA357: Inspect, test and repair aircraft fabric surfaces

1. Inspect/test aircraft fabric surfaces.	a. Inspection/testing for blockage of drainage and water and dirt collection points	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Inspection/testing for deterioration of finishing scheme	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Inspection/testing for deterioration of fabric tensile strength	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
Date					
Simulated		Yes No	Yes No	Yes No	

Performance Criteria:

- 1.1 Relevant maintenance documentation and modification status, including defect reports, where relevant, are used to identify specific inspection/testing requirements.
- 1.2 Appropriate preparation and access to the aircraft structure is undertaken to allow for proper inspection in accordance with maintenance documentation.
- 1.3 Aircraft fabric-covered surfaces are inspected/tested for signs of damage, deterioration or loss of tensile strength in accordance with maintenance documentation and approved procedures while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDS) and items of personal protective equipment (PPE).
- 1.4 Damage or deterioration is assessed against limits specified by maintenance manual or other approved data to determine if repair, restoration or replacement is required.

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UNIT MEA357: Inspect, test and repair aircraft fabric surfaces

1. Cont'd Inspect/test aircraft fabric surfaces.	d. Inspection/testing for damage to inspection panels and zips	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 1.1 Relevant maintenance documentation and modification status, including defect reports, where relevant, are used to identify specific inspection/testing requirements.
- 1.2 Appropriate preparation and access to the aircraft structure is undertaken to allow for proper inspection in accordance with maintenance documentation.
- 1.3 Aircraft fabric-covered surfaces are inspected/tested for signs of damage, deterioration or loss of tensile strength in accordance with maintenance documentation and approved procedures while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDS) and items of personal protective equipment (PPE).
- 1.4 Damage or deterioration is assessed against limits specified by maintenance manual or other approved data to determine if repair, restoration or replacement is required.

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2. Repair aircraft fabric surfaces.	a. Repair of fabric surface by surface rejuvenation	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Repair of fabric surface by stitching	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Repair of fabric surface by unsewed doped-on repair	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
Date					
Simulated		Yes No	Yes No	Yes No	

Performance Criteria:

- 2.1 Extent of damage is correctly assessed to assist in determining repair procedure.
- 2.2 Structure is supported and prepared in accordance with the applicable maintenance manual to ensure personal safety and freedom from damage.
- 2.3 Appropriate repair scheme is identified in accordance with maintenance manual and/or approved data.
- 2.4 All materials and equipment required are organised.
- 2.5 Fabric repairs are performed in accordance with approved repair scheme ensuring that aircraft standard practices are used and process requirements are carried out while observing all relevant WHS requirements, including the use of MSDS and items of PPE.
- 2.6 Work area is cleaned of all waste material or contaminants.
- 2.7 Components are adjusted and/or re-balanced, where necessary, to operate within prescribed specifications.
- 2.8 Required maintenance/repair documentation is completed and processed in accordance with standard enterprise procedures.
- 2.9 Where required repaired components or assemblies are tagged, sealed and packaged or cradled in accordance with specified procedures.

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UNIT MEA357: Inspect, test and repair aircraft fabric surfaces

2. Cont'd Repair aircraft fabric surfaces.	d. Repair of fabric surface by correct application of finishing scheme	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	e. Recognition of requirement to re-balance fabric-covered control surfaces after rejuvenation or repair of fabric covering	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 2.1 Extent of damage is correctly assessed to assist in determining repair procedure.
- 2.2 Structure is supported and prepared in accordance with the applicable maintenance manual to ensure personal safety and freedom from damage.
- 2.3 Appropriate repair scheme is identified in accordance with maintenance manual and/or approved data.
- 2.4 All materials and equipment required are organised.
- 2.5 Fabric repairs are performed in accordance with approved repair scheme ensuring that aircraft standard practices are used and process requirements are carried out while observing all relevant WHS requirements, including the use of MSDS and items of PPE.
- 2.6 Work area is cleaned of all waste material or contaminants.
- 2.7 Components are adjusted and/or re-balanced, where necessary, to operate within prescribed specifications.
- 2.8 Required maintenance/repair documentation is completed and processed in accordance with standard enterprise procedures.
- 2.9 Where required repaired components or assemblies are tagged, sealed and packaged or cradled in accordance with specified procedures.

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Certification of Underpinning Knowledge and Skills to Inspect, Test and Repair Aircraft Fabric Surfaces

A person cannot be assessed as competent until it can be demonstrated to the satisfaction of the workplace assessor that the relevant elements and performance criteria of the unit of competency are being achieved under routine supervision on all of groups listed in the assessment conditions a) to e) that are applicable to the enterprise. This shall be established via the records in the Log of Industrial Experience and Achievement or, where appropriate, an equivalent Industry Evidence Guide (for details refer to the Companion Volume Assessment Guidelines).

UNIT MEA357: Inspect, test and repair aircraft fabric surfaces	Date/ MTO Stamp
Evidence has been confirmed of the attainment of the following pre-requisite units of competency (as they are related to attainment of the elements of competency specified in this unit). <p style="text-align: center;">107, 154, 155, 156, 157, 158</p>	
Evidence has been confirmed of the knowledge requirements for this unit as delivered by a CASR 147 Approved Organisation. <p style="text-align: center;">OR</p> Assessment has been conducted to determine that the underpinning knowledge and skills have been achieved in accordance with the Competency Unit.	

Certification of Unit Completion

I certify that I have reviewed the certification of the elements for this competency unit and that all of the competency unit requirements have been met.

Signed: _____ **Assessor No.** _____ **MTO:** _____ **Date:** _____

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