

Name of Assessed Person:

Registration:

UNIT MEAAVI0050: Inspect, Test and Troubleshoot Flight Management Systems and Components							
1. Inspect flight management systems and components	a. Flight Management Computer	No. of Entries	1	2	3		
		Tail / Job No.					
		LAME Sign.					
		Date					
		Simulated	Yes	No	Yes	No	Yes
	b. Control display unit	No. of Entries	1	2	3		
		Tail / Job No.					
		LAME Sign.					
		Date					
		Simulated	Yes	No	Yes	No	Yes
	c. Database unit	No. of Entries	1	2	3		
		Tail / Job No.					
		LAME Sign.					
		Date					
		Simulated	Yes	No	Yes	No	Yes
	Performance Criteria						
<p>1.1 Identify specific inspection requirements using maintenance documentation and modification status, including relevant system defect reports.</p> <p>1.2 Check isolation tags and configure aircraft for safe system inspection and operation in accordance with maintenance manual while observing all relevant work health and safety (WHS) requirements.</p> <p>1.3 Visually or physically check flight management system components for external signs of defects in accordance with maintenance manual.</p> <p>1.4 Identify and report defects in accordance with standard enterprise procedures.</p>							

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UNIT MEAAVI0050: Inspect, Test and Troubleshoot Flight Management Systems and Components

1. Cont'd Inspect flight management systems and components	d. Global positioning system (GPS) sensor (may be omitted where not applicable to the enterprise)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	e. GPS antenna (may be omitted where not applicable to the enterprise)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria

- 1.1 Identify specific inspection requirements using maintenance documentation and modification status, including relevant system defect reports.
- 1.2 Check isolation tags and configure aircraft for safe system inspection and operation in accordance with maintenance manual while observing all relevant work health and safety (WHS) requirements.
- 1.3 Visually or physically check flight management system components for external signs of defects in accordance with maintenance manual.
- 1.4 Identify and report defects in accordance with standard enterprise procedures.

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UNIT MEAAVI0050: Inspect, Test and Troubleshoot Flight Management Systems and Components							
2. Test flight management systems and components	a. Flight Management Computer	No. of Entries	1	2	3		
		Tail / Job No.					
		LAME Sign.					
		Date					
		Simulated	Yes	No	Yes	No	Yes
	b. Control display unit	No. of Entries	1	2	3		
		Tail / Job No.					
		LAME Sign.					
		Date					
		Simulated	Yes	No	Yes	No	Yes
	c. Database unit	No. of Entries	1	2	3		
		Tail / Job No.					
		LAME Sign.					
		Date					
		Simulated	Yes	No	Yes	No	Yes
Performance Criteria							
2.1 Prepare aircraft and system for the application of power or system operation in accordance with maintenance manual.							
2.2 Perform functional testing on flight management system for evidence of serviceability or malfunction in accordance with maintenance manual.							

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UNIT MEAAVI0050: Inspect, Test and Troubleshoot Flight Management Systems and Components

2. Cont'd Test flight management systems and components	d. Global positioning system (GPS) sensor (may be omitted where not applicable to the enterprise)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	e. GPS antenna (may be omitted where not applicable to the enterprise)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria

- 2.1 Prepare aircraft and system for the application of power or system operation in accordance with maintenance manual.
- 2.2 Perform functional testing on flight management system for evidence of serviceability or malfunction in accordance with maintenance manual.

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UNIT MEAAVI0050: Inspect, Test and Troubleshoot Flight Management Systems and Components						
3. Troubleshoot flight management systems	a. Flight Management Computer	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
	b. Control display unit	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
	c. Database unit	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
<p>Performance Criteria</p> <p>3.1 Use available information from maintenance documentation, inspection and test results to assist in fault determination of identified fault.</p> <p>3.2 Troubleshoot flight management systems to line replacement level using maintenance manual fault diagnosis guides and logic processes, test sets, downloaded maintenance data and fault-finding charts or similar.</p> <p>3.3 Obtain required specialist or supervisory advice to assist with the troubleshooting process.</p> <p>3.4 Locate flight management system faults and identify and record causes of faults in required maintenance documentation in accordance with standard enterprise procedures.</p> <p>3.5 Determine requirements for rectification of faults.</p>						

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UNIT MEAAVI0050: Inspect, Test and Troubleshoot Flight Management Systems and Components

3. Cont'd Troubleshoot flight management systems	d. Global positioning system (GPS) sensor (may be omitted where not applicable to the enterprise)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	e. GPS antenna (may be omitted where not applicable to the enterprise)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria

- 3.1 Use available information from maintenance documentation, inspection and test results to assist in fault determination of identified fault.
- 3.2 Troubleshoot flight management systems to line replacement level using maintenance manual fault diagnosis guides and logic processes, test sets, downloaded maintenance data and fault-finding charts or similar.
- 3.3 Obtain required specialist or supervisory advice to assist with the troubleshooting process.
- 3.4 Locate flight management system faults and identify and record causes of faults in required maintenance documentation in accordance with standard enterprise procedures.
- 3.5 Determine requirements for rectification of faults.

Name of Assessed Person:

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Certification of Underpinning Knowledge and Skills to Inspect Test and Troubleshoot Flight Management Systems and Components

A person cannot be assessed as competent until it can be demonstrated to the satisfaction of the workplace assessor that the relevant elements of this unit of competency are being achieved under routine supervision on each type of system and on at least one (1) item of each group listed in the assessment conditions a) to e). *(Groups d) and e) may be omitted where they are not 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 Implementation Guide).

UNIT MEAAVI0050: Inspect, Test and Troubleshoot Flight Management Systems and Components	
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).	
246, 293	
Evidence has been confirmed of the knowledge requirements for this unit as delivered by a CASR 147 Approved Organisation.	
OR	
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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Registration:

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