

Name of Assessed Person:

Registration:

UNIT MEAAVI0052: Repair and Overhaul Aircraft Pulse System Components

1. Determine requirements	a. Weather radar, search radar and weapons system radar	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Distance measuring equipment (DME) and tactical aerial navigation (TACAN)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Doppler navigation	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Air traffic transponder	No. of Entries	1	2	3
Tail / Job No.					
LAME Sign.					
Date					
Simulated		Yes No	Yes No	Yes No	

Performance Criteria:

- 1.1 Interpret pulse system component defect reports (removal tags) or customer orders and match by part and serial numbers to identify requirements.
- 1.2 Prepare circuitry and connect to test equipment to perform functional testing or cycle through prescribed test procedures for evidence of serviceability or malfunction in accordance with maintenance documentation.
- 1.3 Establish modification status to assist in determining the overhaul requirements for the components.
- 1.4 Identify and document extent of overhaul or repair in accordance with standard enterprise procedure.

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UNIT MEAAVI0052: Repair and Overhaul Aircraft Pulse System Components

1. Cont'd Determine requirements	e. Radio altimeter	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Airborne collision avoidance system (ACAS)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 1.1 Interpret pulse system component defect reports (removal tags) or customer orders and match by part and serial numbers to identify requirements.
- 1.2 Prepare circuitry and connect to test equipment to perform functional testing or cycle through prescribed test procedures for evidence of serviceability or malfunction in accordance with maintenance documentation.
- 1.3 Establish modification status to assist in determining the overhaul requirements for the components.
- 1.4 Identify and document extent of overhaul or repair in accordance with standard enterprise procedure.

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2. Troubleshoot pulse system components	a. Weather radar, search radar and weapons system radar	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Distance measuring equipment (DME) and tactical aerial navigation (TACAN)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Doppler navigation	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Air traffic transponder	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 2.1 Use available information from maintenance records and inspection and test results as required to assist in fault determination.
- 2.2 Troubleshoot pulse system components using maintenance manual fault diagnosis guides and logic processes.
- 2.3 Locate faults and identify and record causes of faults in required maintenance documentation.
- 2.4 Determine requirements for fault rectification in accordance with standard enterprise procedures.

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2. Cont'd Troubleshoot pulse system components	e. Radio altimeter	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Airborne collision avoidance system (ACAS)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 2.1 Use available information from maintenance records and inspection and test results as required to assist in fault determination.
- 2.2 Troubleshoot pulse system components using maintenance manual fault diagnosis guides and logic processes.
- 2.3 Locate faults and identify and record causes of faults in required maintenance documentation.
- 2.4 Determine requirements for fault rectification in accordance with standard enterprise procedures.

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3. Dismantle and inspect pulse system components	a. Weather radar, search radar and weapons system radar	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Distance measuring equipment (DME) and tactical aerial navigation (TACAN)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Doppler navigation	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Air traffic transponder	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 3.1 Dismantle component parts in accordance with maintenance manuals while observing all relevant work health and safety (WHS) requirements.
- 3.2 Assess component parts for serviceability in accordance with maintenance documentation.
- 3.3 Tag parts requiring specialist repair and specify repair instructions.
- 3.4 Compile and process parts lists in accordance with standard enterprise procedures.

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Registration:

UNIT MEAAVI0052: Repair and Overhaul Aircraft Pulse System Components

3. Cont'd Dismantle and inspect pulse system components	e. Radio altimeter	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Airborne collision avoidance system (ACAS)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 3.1 Dismantle component parts in accordance with maintenance manuals while observing all relevant work health and safety (WHS) requirements.
- 3.2 Assess component parts for serviceability in accordance with maintenance documentation.
- 3.3 Tag parts requiring specialist repair and specify repair instructions.
- 3.4 Compile and process parts lists in accordance with standard enterprise procedures.

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<p>4. Repair and / or modify pulse system components</p>	a. Weather radar, search radar and weapons system radar	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Distance measuring equipment (DME) and tactical aerial navigation (TACAN)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Doppler navigation	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Air traffic transponder	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 4.1 Repair or replace component parts, using required high precision, high reliability soldering techniques, in accordance with maintenance documentation.
- 4.2 Make required modifications to components or parts in accordance with relevant manufacturers' bulletins or procedures.

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4. Cont'd Repair and / or modify pulse system components	e. Radio altimeter	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Airborne collision avoidance system (ACAS)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 4.1 Repair or replace component parts, using required high precision, high reliability soldering techniques, in accordance with maintenance documentation.
- 4.2 Make required modifications to components or parts in accordance with relevant manufacturers' bulletins or procedures.

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5. Assemble, test and adjust pulse system components	a. Weather radar, search radar and weapons system radar	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Distance measuring equipment (DME) and tactical aerial navigation (TACAN)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Doppler navigation	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Air traffic transponder	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 5.1 Assemble component parts in accordance with specified tolerances and maintenance documents.
- 5.2 Test assembled components and adjust or align in accordance with maintenance documentation and using appropriate test equipment.
- 5.3 Complete and process required maintenance documentation and modification records in accordance with standard enterprise procedures.

Name of Assessed Person:

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5. Cont'd Assemble, test and adjust pulse system components	e. Radio altimeter	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Airborne collision avoidance system (ACAS)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 5.1 Assemble component parts in accordance with specified tolerances and maintenance documents.
- 5.2 Test assembled components and adjust or align in accordance with maintenance documentation and using appropriate test equipment.
- 5.3 Complete and process required maintenance documentation and modification records in accordance with standard enterprise procedures.

Name of Assessed Person:

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Certification of Underpinning Knowledge and Skills to Repair or Overhaul Aircraft Pulse System 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 a representative range of components from two (2) or more of the groups listed in the assessment conditions a) to f). 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 MEAAVI0052: Repair and Overhaul Aircraft Pulse System 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).	
296, AVI0038	
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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