Name of Assessed Person: **Registration:**

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency

1. **Determine requirements**	a. Very high frequency (VHF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. High frequency (HF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Ultra-high frequency (UHF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Satellite communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

1.1 Interpret communication and navigation 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 the 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 procedures.

Name of Assessed Person: **Registration:**

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency

1. Cont'd **Determine requirements**	e. Emergency location transmitter (ELT)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Aeronautical Radio Incorporated (ARINC) Communication Addressing and Reporting System	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Intercommunication and public address	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	h. Automatic direction finding (ADF) navigation	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

1.1 Interpret communication and navigation 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 the 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 procedures.

Name of Assessed Person: **Registration:**

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency					
1. Cont'd **Determine requirements**	i. Very high frequency omni-directional range (VOR) navigation	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	j. Instrument landing system (ILS)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	k. Ground positioning system (GPS)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

1.1 Interpret communication and navigation system component defect reports (removal tags) or customer orders and match by part and serial numbers to identify requirements.
1.3 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 the 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 procedures.

Name of Assessed Person: **Registration:**

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency					
2. Troubleshoot RF communication and navigation components	a. Very high frequency (VHF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. High frequency (HF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Ultra-high frequency (UHF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Satellite communications	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 to assist in fault determination.
2.2 Troubleshoot aircraft RF communication and navigation 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.

Name of Assessed Person: **Registration:**

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency					
2. Cont'd Troubleshoot RF communication and navigation components	e. Emergency location transmitter (ELT)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Aeronautical Radio Incorporated (ARINC) Communication Addressing and Reporting System	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Intercommunication and public address	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	h. Automatic direction finding (ADF) navigation	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 to assist in fault determination.
2.2 Troubleshoot aircraft RF communication and navigation 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.

Name of Assessed Person: **Registration:**

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency					
2 Cont'd **Troubleshoot RF communication and navigation components**	i. Very high frequency omni-directional range (VOR) navigation	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	j. Instrument landing system (ILS)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	k. Ground positioning system (GPS)	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 to assist in fault determination.
2.2 Troubleshoot aircraft RF communication and navigation 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.

Name of Assessed Person: **Registration:**

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency

3. **Dismantle and inspect RF communication and navigation system components**	a. Very high frequency (VHF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. High frequency (HF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Ultra-high frequency (UHF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Satellite communications	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 the relevant 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.

Name of Assessed Person: **Registration:**

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency

3 Cont'd **Dismantle and inspect RF communication and navigation system components**	e. Emergency location transmitter (ELT)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Aeronautical Radio Incorporated (ARINC) Communication Addressing and Reporting System	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Intercommunication and public address	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	h. Automatic direction finding (ADF) navigation	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 the relevant 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.

Name of Assessed Person: **Registration:**

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency					
3. Cont'd **Dismantle and inspect RF communication and navigation system components**	i. Very high frequency omni-directional range (VOR) navigation	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	j. Instrument landing system (ILS)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	k. Ground positioning system (GPS)	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 the relevant 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.

Name of Assessed Person: **Registration:**

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency					
4. **Repair or modify RF communication and navigation system**	a. Very high frequency (VHF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. High frequency (HF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Ultra-high frequency (UHF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Satellite communications	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 in accordance with maintenance documentation.
4.2 Make required modifications to components or parts in accordance with relevant manufacturers' bulletins or procedures.

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency					
4. Cont'd **Repair and/or modify RF communication and navigation system**	e. Emergency location transmitter (ELT)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Aeronautical Radio Incorporated (ARINC) Communication Addressing and Reporting System	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Intercommunication and public address	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	h. Automatic direction finding (ADF) navigation	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 in accordance with maintenance documentation.
4.2 Make required modifications to components or parts in accordance with relevant manufacturers' bulletins or procedures.

Name of Assessed Person: **Registration:**

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency					
4 Cont'd **Repair and/or modify RF communication and navigation system**	i. Very high frequency omni-directional range (VOR) navigation	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	j. Instrument landing system (ILS)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	k. Ground positioning system (GPS)	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 in accordance with maintenance documentation.
4.2 Make required modifications to components or parts in accordance with relevant manufacturers' bulletins or procedures.

Name of Assessed Person: **Registration:**

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency					
5. **Assemble, test and adjust RF communication and navigation system components**	a. Very high frequency (VHF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. High frequency (HF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Ultra-high frequency (UHF) communications	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Satellite communications	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: **Registration:**

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency					
5. Cont'd **Assemble, test and adjust RF communication and navigation system components**	e. Emergency location transmitter (ELT)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Aeronautical Radio Incorporated (ARINC) Communication Addressing and Reporting System	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Intercommunication and public address	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	h. Automatic direction finding (ADF) navigation	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: **Registration:**

UNIT MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency					
5 Cont'd **Assemble, test and adjust RF communication and navigation system components**	i. Very high frequency omni-directional range (VOR) navigation	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	j. Instrument landing system (ILS)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	k. Ground positioning system (GPS)	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.

Certification of Underpinning Knowledge and Skills to Repair or Overhaul Aircraft Radio Frequency Communication and Navigation System 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 a representative range of components, applicable to the enterprise, from the systems listed in the assessment conditions a) to k). 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 MEAAVI0055: Repair and Overhaul Aircraft Radio Frequency	
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). **AVI0038, 296**	
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:** _____