

TSC Category	Component Maintenance					
TSC	Aircraft Sensing Components Maintenance					
TSC Description	Maintain and repair aircraft sensing components using appropriate resources and conduct functional checks. This includes maintenance of servo actuators, pressure transmitters, synchro, fuel indication system, engine indicating system, oxygen system and cabin pressurisation components.					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
	AER-MAI-1083-1.1	AER-MAI-2083-1.1				
	Perform maintenance and repair of aircraft sensing components using appropriate tools, equipment, materials and methods	Identify appropriate resources and conduct functional checks for maintenance of aircraft sensing components in accordance with applicable technical manuals and organisational procedures				
Knowledge	<ul style="list-style-type: none"> Parts and components of servo actuators and synchro components Parts and components of pressure transmitters Parts and components of fuel indication systems Parts and components of engine indicating systems Parts and components of oxygen systems Parts and components of pressure control systems Maintenance documentation requirements Technical manuals and organisational standard operating procedures (SOPs) Workplace safety practices 	<ul style="list-style-type: none"> Characteristics and operating principles of servo actuator and synchro components Characteristics and operating principles of pressure transmitters Characteristics and operating principles of fuel indication systems Characteristics and operating principles of engine indication systems Characteristics and operating principles of oxygen systems Characteristics and operating principles of pressure control systems Maintenance documentation requirements Technical manuals and organisational standard operating procedures (SOPs) Workplace safety practices 				

<p>Abilities</p>	<ul style="list-style-type: none"> • Conduct visual inspections on incoming components for damages or cracks before carrying out service and repair works • Dismantle components to locate exact defects and faulty areas for service or repairs • Perform service and repairs of servo actuators and synchro components • Perform service and repairs of pressure transmitters • Perform service and repairs of fuel indication system components • Perform service and repairs of engine indicating system components • Perform service and repairs of oxygen system components • Perform service and repairs of cabin pressurisation components • Adhere to technical manuals and SOPs • Observe and apply safety practices in the workplace 	<ul style="list-style-type: none"> • Study defects background to understand defects and faults of aircraft sensing components that require servicing and repairing • Use appropriate test indicators and controllers to verify the stated defects and faults before dismantling components • Confirm serviceability of relevant tools and equipment for servicing and repairing components • Ensure availability of components and parts required for servicing and repair • Report problems identified during servicing and repairs • Conduct operational tests to ensure that each component is working properly • Ensure documentation is in accordance with regulatory requirements • Verify conformance to technical manuals and SOPs • Ensure safety practices are carried out in the workplace 				
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