

TSC Category	Component Maintenance					
TSC	Aircraft Landing Gears Maintenance					
TSC Description	Maintain and repair aircraft landing gear systems in dedicated workshops using appropriate resources and conduct functional checks.					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
	AER-MAI-1080-1.1	AER-MAI-2080-1.1				
	Perform maintenance and repair of aircraft landing gear systems using appropriate tools, equipment, materials and methods	Identify appropriate resources and conduct functional checks for maintenance of aircraft landing gear systems in accordance with applicable technical manuals and organisational procedures				
Knowledge	<ul style="list-style-type: none"> Types of aircraft landing gear systems Operation of landing gears Basic concepts of hydraulic systems Maintenance documentation requirements Technical manuals and organisational standard operating procedures (SOPs) Workplace safety practices 	<ul style="list-style-type: none"> Types, specifications and characteristics of aircraft landing gear systems Techniques for aircraft landing gear inspection and testing Techniques for aircraft landing gear repair Non-destructive testing of landing gear components Post re-assembly functional testing Maintenance documentation requirements Technical manuals and organisational standard operating procedures (SOPs) Workplace safety practices 				
Abilities	<ul style="list-style-type: none"> Check descriptions, part and serial numbers of landing gears against documentation Conduct visual checks on landing gears for discrepancies, defects or damage and record all findings 	<ul style="list-style-type: none"> Interpret testing and repair work instructions Check serviceability of tools, equipment and materials including life limited parts Select appropriate tools and equipment for repair of landing gears 				

**SKILLS FRAMEWORK FOR AEROSPACE
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE**

	<ul style="list-style-type: none"> • Prepare for input test of landing gears • Disassemble, clean and assemble landing gears • Prepare for technical disposition of parts of disassembled landing gears • Repair and overhaul parts of landing gears as specified in work instructions • Prepare for final inspection and test of landing gears • Record test results • Adhere to technical manuals and SOPs • Observe and apply safety practices in the workplace 	<ul style="list-style-type: none"> • Ensure availability of approved and serviceable replacement parts • Process technical dispositions of parts of landing gears • Report problems identified during servicing and repairs • Conduct final inspections ensure landing gears are in working order • Ensure documentation is in accordance with regulatory requirements • Verify conformance to technical manuals and SOPs • Ensure safety practices are carried out in the workplace 				
--	--	---	--	--	--	--