

TSC Category	Component Maintenance					
TSC	Aircraft Wheels and Brakes Maintenance					
TSC Description	Maintain and repair aircraft wheels and brakes 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-1084-1.1	AER-MAI-2084-1.1				
	Perform maintenance and repair of aircraft wheels and brakes using appropriate tools, equipment, materials and methods	Identify appropriate resources and conduct functional checks for maintenance of aircraft wheels and brakes in accordance with applicable technical manuals and organisational procedures				
Knowledge	<ul style="list-style-type: none"> • Components of aircraft wheels and brake assemblies • Types of aircraft wheels and brake assembly components • Factors causing tyre and brake wear • Types of maintenance done in workshops • 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 wheels and brake assemblies • Techniques for inspection and repair of wheels and brake assembly components • Non-destructive testing of wheels and brake assembly 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 wheels and brakes against documentation • Conduct visual checks on wheels and brakes for discrepancies, defects or 	<ul style="list-style-type: none"> • Interpret testing and repair work instructions • Check serviceability of tools, equipment and materials • Select appropriate tools and equipment for repair of wheels and brakes 				

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

	<p>damages and record all findings</p> <ul style="list-style-type: none"> • Prepare for preliminary test of wheels and brakes • Disassemble, clean and assemble wheels and brakes • Prepare for technical disposition of disassembled wheels and brakes • Repair and overhaul wheels and brakes as specified in work instructions • Prepare for final inspection and test of wheels and brakes • 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 wheels and brakes • Perform basic non-destructive testing (NDT) • Report problems identified during servicing and repairs • Conduct final inspections to ensure wheels and brakes are in working order • Ensure documentation is in accordance with regulatory requirements • Verify conformance to technical manuals, SOPs and safety practices in the workplace 				
--	---	--	--	--	--	--