

TSC Category	Engine Manufacturing and Maintenance					
TSC	Engine Rigging and De-rigging					
TSC Description	Perform rigging and de-rigging of aircraft engines for testing purposes using appropriate resources.					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
	AER-MPR-1043-1.1	AER-MPR-2043-1.1				
	Rig and de-rig aircraft engines for tests using appropriate tools, materials and equipment	Identify appropriate resources to be used and verify completion of work done in accordance with technical manuals and organisational procedures				
Knowledge	<ul style="list-style-type: none"> • Aircraft engine rigging and de-rigging techniques and procedures • Test cell installation procedures • Oil and fuel systems preparation • Engine troubleshooting and replacement techniques and procedures • Engine inspection methods • Documentation procedures • Workplace safety practices • Technical manuals and organisational standard operating procedures (SOPs) 	<ul style="list-style-type: none"> • Aircraft engine test procedures • Engine performance requirements • Layout and functions of engine test cell • Types of engine rigging, de-rigging, troubleshooting and replacement techniques • Operation and functions of oil and fuel systems • Types of engine inspection techniques • Documentation requirements • Workplace safety practices • Technical manuals and organisational standard operating procedures (SOPs) 				
Abilities	<ul style="list-style-type: none"> • Interpret requirements of an engine test • Conduct engine rigging and preparation before engine test • Conduct safety checks on the engine and test cell prior to test • Perform basic troubleshooting 	<ul style="list-style-type: none"> • Identify requirements of an engine test • Select correct tools, materials and equipment to be used for engine rigging, de-rigging, troubleshooting and replacing of engine components 				

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

	<p>techniques on engine components under test</p> <ul style="list-style-type: none"> • Replace engine components • Conduct engine de-rigging after test • Conduct basic borescope inspections • Document all procedures and findings • Adhere to technical manuals, SOPs and safety practices in the workplace 	<ul style="list-style-type: none"> • Verify all work done is in conformance to technical manuals and SOPs • Ensure documentation is completed in accordance with organisational procedures and regulatory requirements • Ensure safety practices are carried out in the workplace 				
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