

TSC Category	Engine Manufacturing and Maintenance					
TSC	Engine Component Parts Inspection					
TSC Description	Inspect and certify aircraft engine parts, accessories, modules and components using appropriate resources.					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
	AER-MPR-1041-1.1	AER-MPR-2041-1.1				
	Carry out inspections of aircraft engine parts, accessories, modules using appropriate tools, equipment, materials and methods	Identify appropriate resources and conduct final inspections on engine components and parts for completion of work done in accordance with technical manuals and organisational procedures				
Knowledge	<ul style="list-style-type: none"> Objectives of performing aircraft engine inspections Inspection procedures Defects identification Types of repair Operation and use of measuring instruments Serviceability and repairable limits Foreign object damage (FOD) control Documentation procedures and requirements Workplace safety practices Technical manuals and organisational standard operating procedures (SOPs) 	<ul style="list-style-type: none"> Aircraft engine inspection techniques and requirements Foreign object damage (FOD) control Types of repair schemes Operation and use of precision measuring tools Dimensions, allowances and tolerances, standards of workmanship Serviceability and repairable limits Requirements of quality documentation Workplace safety practices Technical manuals and organisational standard operating procedures (SOPs) 				
Abilities	<ul style="list-style-type: none"> Prepare and check serviceability of tools and equipment and currency in calibration of measuring instruments 	<ul style="list-style-type: none"> Select appropriate tools, equipment, materials and methods to be used for inspections Conduct final inspections on engine components and parts to ensure 				

	<ul style="list-style-type: none"> • Verify incoming engine components and parts against work orders • Check currency of technical manual revisions and repair scheme part numbers • Perform visual and dimensional inspections and identify defects and types of repair required • Apply FOD control • Perform in-process inspections to ensure good physical condition and accurate dimensions • Report discrepancies found in performing inspections to appropriate persons • Document all inspection procedures and findings • Adhere to technical manuals, SOPs and safety practices in the workplace 	<p>repairs done in accordance with requirements</p> <ul style="list-style-type: none"> • Review all quality documentation pertaining to the repair of components and parts • Verify compatibility of components and modification status • Report discrepancies found in performing final inspections to appropriate persons • 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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