

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

TSC Category	Aerospace and Engineering Fundamentals					
TSC	Aerospace Maintenance Practices Application					
TSC Description	Perform aircraft maintenance practices in accordance with applicable technical manuals and organisational procedures. This includes application of safety practices on aircraft, hangar and workshop facilities, use of appropriate tools, equipment and methods and interpretation of engineering drawings					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
		AER-ACO-2012-1.1	AER-ACO-3012-1.1			
		Perform aircraft maintenance practices using appropriate tools, equipment and methods	Select appropriate workshop practices and tools and apply maintenance procedures in accordance with applicable technical manuals and organisational procedures			
Knowledge		<ul style="list-style-type: none"> • Policy and procedure for proper tool usage and maintenance • Interpretation of engineering drawings, diagrams and standards • Installation techniques for electrical cables and connectors • Fits and clearances • Guidelines and techniques for riveting • Techniques for maintaining pipes, hoses, springs, bearings, transmission devices and control cables • Basic aircraft handling and storage • Basic assembly, disassembly and inspection techniques • Aircraft defects, inspection methods • Production planning control for aircraft maintenance 	<ul style="list-style-type: none"> • Selection of tools and equipment for aircraft maintenance • Interpretation of engineering drawings, diagrams and standards • Layout and operation of electrical cables and connectors • Fits and clearance • Guidelines and techniques for maintenance, handling, joining and fusing for aircraft material • Aircraft weight and balance procedures • Aircraft handling and storage procedures • Assembly, disassembly, inspection and repair techniques • Aircraft defects, inspection and rectification methods after abnormal events • Production planning control for aircraft maintenance 			
Abilities		<ul style="list-style-type: none"> • Identify calibration parameters for common 	<ul style="list-style-type: none"> • Recommend appropriate workshop practices, tools 			

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		<p>maintenance tools and equipment</p> <ul style="list-style-type: none"> • Interpret aircraft engineering drawings, diagrams and standards • Maintain proper installation through appropriate fits and clearances • Apply basic riveting practices for proper installation and removal • Perform maintenance of pipes, hoses, springs, bearings, transmission devices and control cables • Perform electrical maintenance of cables, connectors and electrical general test equipment • Implement proper aircraft handling, storage and support maintenance procedures • Outline inspection, disassembly and assembly techniques, including corrosion preventive maintenance • Conduct inspection and basic rectification of aircraft after experiencing abnormal events • Perform basic production planning control including maintenance planning, documentation and managing inventory and stores 	<p>and equipment for maintenance work</p> <ul style="list-style-type: none"> • Create and review engineering drawings, diagrams and standards • Prescribe appropriate removal and installation techniques for aircraft components and systems • Prescribe appropriate maintenance, handling, joining and fusing techniques for aircraft material • Monitor and inspect maintenance of pipes, hoses, springs, bearings, transmission devices and control cables • Inspect electrical maintenance tasks involving electrical wiring interconnection system (EWIS) • Ensure proper aircraft weighing, handling, storage and support • Recommend appropriate disassembly, inspection, repair and assembly techniques • Identify abnormal events and review subsequent inspection and rectification of impacted aircraft • Determine production planning control measures including documentation, store procedures for spares and quality checks 			
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