

TSC Category	Aircraft Maintenance					
TSC	Sheet Metal Structures Maintenance					
TSC Description	Maintain and repair sheet metal structures using appropriate resources and conduct inspection checks after maintenance work. This includes performance of simple surface corrosion treatments, fabrication of sheet metal parts, installation and removal of fasteners.					
TSC Proficiency Description	Level 1 AER-MAI-1074-1.1	Level 2 AER-MAI-2074-1.1	Level 3	Level 4	Level 5	Level 6
	Perform maintenance and repair of sheet metal structures using appropriate tools, equipment, materials and methods	Identify appropriate resources and conduct inspection checks on repaired sheet metal structures for completion of work done in accordance with technical manuals and organisational procedures				
Knowledge	<ul style="list-style-type: none"> • Processes of repairing minor sheet metal surface defects • Mechanical and chemical processes in treating and preventing surface corrosion • Fabrication drawings and diagrams interpretation • Sheet metal forming processes • Sheet metal cutting processes • Sheet metal parts fabrication procedures • Processes of installing and removing fasteners • Maintenance documentation requirements • Technical manuals and organisational standard operating procedures (SOPs) • Workplace safety practices 	<ul style="list-style-type: none"> • Types of minor sheet metal surface defects • Types, characteristics and causes of surface corrosion • Methods of treating and preventing surface corrosion • Methods and tools used in developing patterns and templates • Types of aircraft sheet metal materials and their basic properties • Processes, tools and equipment for sheet metal cutting and forming • Types and characteristics of fasteners • Processes and tools for installing and removing fasteners • Types and purposes of maintenance documentation • Technical manuals, organisational standard operating procedures 				

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

		(SOPs) and safety practices				
Abilities	<ul style="list-style-type: none"> • Perform minor sheet metal surface repair • Perform minor surface corrosion treatments • Fabricate sheet metal parts • Install and remove fasteners • Process required maintenance documentation • Adhere to technical manuals and SOPs • Observe and apply safety practices in the workplace 	<ul style="list-style-type: none"> • Select appropriate tools, equipment, materials and methods for maintenance and repair of sheet metal structures • Conduct inspections on repaired parts to ensure conformance to specifications • Verify all work done in conformance to technical manuals and SOPs • Ensure documentation is completed in accordance with regulatory requirements • Ensure safety practices in the workplace 				