

TSC Category	Aircraft Maintenance					
TSC	Aircraft Communication Systems Maintenance					
TSC Description	Maintain aircraft communication systems using appropriate resources and conduct functional tests after maintenance work. This includes maintenance of radio and audio communication systems, radio emergency and reporting systems, and in-flight entertainment systems.					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
	AER-ACO-1026-1.1	AER-ACO-2026-1.1				
	Perform maintenance of aircraft communication systems using appropriate tools, equipment, materials and methods	Identify appropriate resources and conduct functional tests for maintenance of aircraft communication systems in accordance with applicable technical manuals and organisational procedures				
Knowledge	<ul style="list-style-type: none"> • Fundamentals of radio waves propagation, antennas, transmission lines, receivers and transmitters • Fundamentals of audio amplifiers and output matching • Process of maintaining aircraft communication systems • Components and basic operations of radio communication, radio emergency and reporting, audio communication and in-flight entertainment systems • Defect and damage identification • Maintenance documentation requirements • Technical manuals and organisational standard operating procedures (SOPs) 	<ul style="list-style-type: none"> • Principles of radio communication • Principles of sound • Operating characteristics of radio communication, radio emergency and reporting, audio communication and in-flight entertainment systems • Types of resources and techniques for removing, installing and cleaning components • Functional testing procedures for various aircraft communication systems • Defect and damage identification • Types and purposes of maintenance documentation • Technical manuals and organisational standard operating procedures (SOPs) • Workplace safety practices 				

	<ul style="list-style-type: none"> Workplace safety practices 					
Abilities	<ul style="list-style-type: none"> Prepare aircraft communication systems for functional checks Conduct visual checks on physical condition of systems Remove system components for access, bench checks or overhaul Clean system components and installations using appropriate materials and methods Perform installation of system components Prepare aircraft communication systems for operational checks 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 of aircraft communication systems Conduct functional checks to determine serviceability of systems Conduct operational tests after maintenance work to ensure systems are working properly Verify conformance to technical manuals and SOPs Ensure documentation is completed in accordance with regulatory requirements Ensure safety practices in the workplace 				