

<b>TSC Category</b>	Aircraft Operations					
<b>TSC</b>	Aircraft Landing Operations					
<b>TSC Description</b>	Initiate aircraft descent, approach and landing in accordance with procedures and Air Traffic Control (ATC) instructions to ensure safe landing within the runway environment					
<b>TSC Proficiency Description</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Level 5</b>	<b>Level 6</b>
				<b>ATP-ACO-4004-1.1</b>	<b>ATP-ACO-5004-1.1</b>	
				Operate aircraft to land within the runway environment based on procedures and Air Traffic Control (ATC) instructions	Oversee aircraft landing to ensure appropriate handling of aircraft and compliance with procedures, standards and Air Traffic Control (ATC) instructions	
<b>Knowledge</b>				<ul style="list-style-type: none"> <li>Descent and approach procedures and checklists</li> <li>Impact of terrains, weather, airport configurations and air traffic on descent and approach operations</li> <li>Usage of visual approach aids such as Instrument Landing System (ILS) and Precision Approach Path Indicator (PAPI)</li> <li>ILS approach procedures</li> <li>Go-around criteria and procedures</li> <li>Navigation and approach instruments</li> <li>Published holding procedures and aircraft holding requirements</li> <li>Fuel requirements</li> <li>Standard Terminal Arrival Route (STAR)</li> <li>Local and international guidelines such as Air Operator Certificate</li> </ul>	<ul style="list-style-type: none"> <li>Descent and approach procedures and checklists</li> <li>Impact of terrains, weather, airport configurations and air traffic on descent and approach operations</li> <li>Usage of visual approach aids such as Instrument Landing System (ILS) and Precision Approach Path Indicator (PAPI)</li> <li>ILS approach procedures</li> <li>Go-around criteria and procedures</li> <li>Navigation and approach instruments</li> <li>Published holding procedures and aircraft holding requirements</li> <li>Fuel requirements</li> <li>Standard Terminal Arrival Route (STAR)</li> <li>Operating minima such as visibility, weather and automation systems</li> </ul>	

				Requirements (AOCR), Air Navigation Regulations (ANR) and Airline Operations Manual (AOM)	<ul style="list-style-type: none"> <li>Local and international guidelines such as Air Operator Certificate Requirements (AOCR), Air Navigation Regulations (ANR) and Airline Operations Manual (AOM)</li> </ul>	
<b>Abilities</b>				<ul style="list-style-type: none"> <li>Plan contingencies and execute approach according to weather and runway conditions</li> <li>Determine risks associated with terrain and weather conditions</li> <li>Check and programme the approach plans in ILS</li> <li>Calculate landing performance based on aircraft weight, weather and runway conditions</li> <li>Operate aircraft at optimum speed and descent rate for landing</li> <li>Select appropriate automation levels</li> <li>Operate aircraft and monitor performance to achieve stabilised approach</li> <li>Determine if safe landing can be accomplished based on flight conditions</li> <li>Manoeuvre aircraft to achieve safe landing within the touchdown zone of the runway environment</li> <li>Execute go-around or missed approach procedures if landing cannot be achieved safely</li> </ul>	<ul style="list-style-type: none"> <li>Anticipate potential hazards and risks of landing and plan contingencies</li> <li>Conduct relevant briefings to co-pilots on landing plans</li> <li>Check and programme the approach plans in ILS</li> <li>Calculate landing performance based on aircraft weight, weather and runway conditions</li> <li>Operate aircraft at optimum speed and descent rate for landing</li> <li>Adapt and execute approach according to weather and runway conditions</li> <li>Select appropriate automation levels</li> <li>Operate aircraft and monitor performance to achieve stabilised approach</li> <li>Determine if safe landing can be accomplished based on flight conditions</li> <li>Manoeuvre aircraft to achieve safe landing within the touchdown zone of the runway environment</li> </ul>	

				<ul style="list-style-type: none"> <li>• Execute holding pattern based on holding plans</li> <li>• Coordinate with ATC to determine maximum holding time based on fuel status and aircraft serviceability</li> <li>• Nominate and re-nominate alternate airports</li> <li>• Execute braking to bring aircraft to a safe stop</li> </ul>	<ul style="list-style-type: none"> <li>• Execute go-around or missed approach procedures if landing cannot be achieved safely</li> <li>• Execute holding pattern based on holding plans</li> <li>• Coordinate with ATC to determine maximum holding time based on fuel status and aircraft serviceability</li> <li>• Nominate and re-nominate alternate airports</li> <li>• Assess and establish ability of co-pilots to perform aircraft landing</li> <li>• Monitor and take over control of aircraft when necessary</li> <li>• Execute braking to bring aircraft to a safe stop</li> <li>• Provide feedback to co-pilots regarding landing performance</li> </ul>	
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