

**SKILLS FRAMEWORK FOR AIR TRANSPORT  
TECHNICAL SKILLS & COMPETENCIES (TSC) REFERENCE DOCUMENT**

<b>TSC Category</b>	Aircraft Operations					
<b>TSC</b>	Aircraft Performance Management					
<b>TSC Description</b>	Conduct post-flight analysis to develop optimal flight performance parameters					
<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-1006-1.1</b>	<b>ATP-ACO-2006-1.1</b>	<b>ATP-ACO-3006-1.1</b>	<b>ATP-ACO-4006-1.1</b>	<b>ATP-ACO-5006-1.1</b>	
	Record data on aircraft operational performance to identify areas for improvement	Monitor flight parameters and examine data to identify aircraft performance issues	Assess and determine aircraft parameters to improve flight performance	Implement strategies to enhance efficiency of aircraft performance from post-flight analysis	Develop strategies to optimise flight control systems and processes for airline flight operations	
<b>Knowledge</b>	<ul style="list-style-type: none"> <li>Aircraft health and performance tracking equipment</li> <li>Key aircraft operational and safety parameters</li> <li>Common issues in aircraft movement and operational parameters</li> <li>Aircraft manufacturers' performance manuals</li> </ul>	<ul style="list-style-type: none"> <li>Aircraft health and performance tracking equipment</li> <li>Safe and optimal performance limits for aircraft health and performance parameters</li> <li>Factors affecting aircraft performance</li> <li>Common issues in aircraft movement and operational parameters</li> <li>Concepts in aviation engineering</li> <li>Aircraft manufacturers' performance manuals</li> <li>Local and international guidelines such as Air Operator Certificate Requirements (AOCR), Air Navigation Regulations (ANR) and Airline Operations Manual (AOM)</li> </ul>	<ul style="list-style-type: none"> <li>Aircraft performance parameters and optimal limits for various types of aircraft</li> <li>Operational issues in aircraft performance</li> <li>Concepts in aviation engineering</li> <li>Relationships between key aircraft performance parameters, weather and other external parameters</li> <li>Local and international guidelines such as Air Operator Certificate Requirements (AOCR), Air Navigation Regulations (ANR) and Airline Operations Manual (AOM)</li> </ul>	<ul style="list-style-type: none"> <li>Relationships between key aircraft performance parameters, weather and other external parameters</li> <li>Optimal aircraft engine and other engineering parameters</li> <li>Concepts in aviation engineering</li> <li>Legal and regulatory compliance requirements for flight operations</li> <li>Local and international guidelines such as Air Operator Certificate Requirements (AOCR), Air Navigation Regulations (ANR) and Airline Operations Manual (AOM)</li> </ul>	<ul style="list-style-type: none"> <li>Best practices in flight control and post-flight analysis</li> <li>Latest technologies and equipment for flight control and performance tracking</li> <li>Legal and regulatory compliance requirements for flight operations</li> <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>Document flight control information and aircraft parameters according to established Standard Operating Procedures (SOPs)</li> </ul>	<ul style="list-style-type: none"> <li>Track flight performance through key operational parameters</li> <li>Monitor accuracy and quality of aircraft performance data</li> </ul>	<ul style="list-style-type: none"> <li>Conduct post-flight parametric analysis to assess aircraft performance</li> <li>Interpret performance, operational and</li> </ul>	<ul style="list-style-type: none"> <li>Analyse post-flight performance data to map aircraft performance against expected performance</li> </ul>	<ul style="list-style-type: none"> <li>Integrate best practices and new technologies to reinforce aircraft performance tracking equipment and infrastructure</li> </ul>	

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	<ul style="list-style-type: none"> <li>• Verify accuracy of flight control and performance documentation</li> </ul>	<ul style="list-style-type: none"> <li>• Highlight issues found within aircraft flight parameters</li> </ul>	<p>operating conditions data to provide recommendations to flight crew</p> <ul style="list-style-type: none"> <li>• Coordinate with flight crew to troubleshoot flight performance issues</li> <li>• Escalate major operational issues to relevant stakeholders and/or departments</li> <li>• Implement operational and systemic changes to flight operations</li> </ul>	<ul style="list-style-type: none"> <li>• Develop Standard Operating Procedures (SOPs) for the recording, collection and tracking of aircraft parameters</li> <li>• Evaluate aircraft parameters and recommend additional parameters to be evaluated</li> <li>• Review flight control, performance documentation and post-flight documentation for validity, accuracy and adherence to set standards</li> <li>• Collaborate with flight engineering teams to implement changes to aircraft's technical parameters</li> <li>• Recommend changes to aircraft's technical and functional parameters to enhance safety and efficiency of aircraft performance</li> </ul>	<ul style="list-style-type: none"> <li>• Lead the review of aircraft performance efficiency data to determine areas of enhancement</li> <li>• Develop strategies and drive changes to aircraft technical parameters to optimise aircraft performance efficiency</li> </ul>	
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