

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

TSC Category	Ground Handling Services and Operations					
TSC	Flight Performance Data Calculation					
TSC Description	Maintain accurate calculation of flight performance data and assess its implications on flight paths					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
		ATP-GSO-2009-1.1	ATP-GSO-3009-1.1	ATP-GSO-4009-1.1		
		Acquire information and statistics to calculate and generate flight performance data	Calculate and generate flight performance data in accordance with regulatory requirements	Analyse calculated flight performance data to determine its implications on flight paths		
Knowledge		<ul style="list-style-type: none"> • Concept of flight performance in the aviation industry • Uses of flight performance data • Sources of data for the calculation of flight performance • Emergency response plans and procedures of airlines and airports • Concept of an Electronic Flight Bag (EFB) device • Flight performance charts • Local and international guidelines such as International Civil Aviation Organisation (ICAO) Annex for Meteorological Service for International Air Navigation 	<ul style="list-style-type: none"> • Concept of flight performance in the aviation industry • Elements of flight performance • Formulas to calculate flight performance data • Documentation requirements for flight performance data • Components of an Electronic Flight Bag (EFB) device • Emergency response plans and procedures of airlines and airports • Local and international guidelines such as International Civil Aviation Organisation (ICAO) Annex for Meteorological Service for International Air Navigation 	<ul style="list-style-type: none"> • Airline flight manuals • Basic aeronautical knowledge pertaining to flying aircraft • Characteristics of low- and high-speed aircraft buffet • Techniques to calculate flight performance data • Reporting formats for flight performance data • Implications of flight performance data on aircraft and other ground handling operations • Emergency response plans and procedures of airlines and airports • Local and international guidelines such as International Civil Aviation Organisation (ICAO) Annex for Meteorological Service for International Air Navigation 		
Abilities		<ul style="list-style-type: none"> • Apply general formulas used to calculate flight performance • Identify and collate relevant information and 	<ul style="list-style-type: none"> • Calculate and/or generate flight performance data according to established formulas and procedures 	<ul style="list-style-type: none"> • Review flight performance data to identify discrepancies in accuracy of data 		

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		<p>statistics for calculating flight performance</p> <ul style="list-style-type: none"> Identify the uses of flight performance data for aircraft operations and flight monitoring 	<ul style="list-style-type: none"> Complete required documentation and actions after calculating flight performance data Determine take-off and landing runway length and speed Determine permissible altitude and temperature limits for flight operations 	<ul style="list-style-type: none"> Provide technical insights on flight performance when developing contingency plans during irregular operations Investigate incidents pertaining to inaccurate calculation and/or generation of aircraft flight performance data 		
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