

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

TSC Category	Aircraft Operations					
TSC	Pre-Flight Preparation					
TSC Description	Prepare aircraft for flights by ensuring proper configuration of aircraft for take-offs and safe environmental and flight conditions					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
				ATP-ACO-4010-1.1		
				Set up flight decks and analyse aircraft serviceability, runways and weather conditions to prepare aircraft for flights		
Knowledge				<ul style="list-style-type: none"> Pre-flight checklists such as Before Engine Start Checklists Minimum Equipment List (MEL) requirements Usage of Flight Management System (FMS) Maintenance and troubleshooting of aircraft systems Types of aircraft defects Engine start procedures Preparation procedures for take-offs and departures Take-off performance calculation Potential hazards and obstacles including conflicting traffic Weather conditions at the departure sector Impact of inclement weather conditions on take-offs Aircraft line-up techniques and minimum distance required 		

				<ul style="list-style-type: none"> • Taxi clearance requirements • Operation of aircraft thrust, brakes and steering • Local and international guidelines such as Air Operator Certificate Requirements (AOCR), Air Navigation Regulations (ANR) and Airline Operations Manual (AOM) 		
Abilities				<ul style="list-style-type: none"> • Set up flight decks to prepare for flights • Evaluate aircraft defects and review if they are within MEL requirements • Perform FMS initialisation, data entries and cross-checking • Complete performance calculation • Complete all relevant pre-flight checklists • Conduct external aircraft inspections to check for defects • Collaborate with engineers to resolve aircraft defects • Perform engine start procedures based on Engine Start Checklists • Monitor compliance of pushback procedures • Plan taxi routing based on taxi instructions from Air Traffic Control (ATC) 		