

SKILLS FRAMEWORK FOR AIR TRANSPORT SKILLS MAP – CAPTAIN

Sector	Air Transport		
Sub-Sector	Airline		
Track	Pilot Operations		
Occupation	Aircraft Pilot (Commercial Airline)		
Job Role	Captain		
Job Role Description	<p>The Captain holds the authority to make final decisions regarding the operation of the aircraft. He/She is responsible for the safety and security of all crew members, passengers and freight on board. He provides guidance and support to the crew and ensures all technical duties are executed in accordance with the airline's regulations, operating policies and procedures. He verifies and signs off post-flight reports and endorses cabin crew incident reports. He oversees the flight crew in manual flying and takes over as pilot flying when flight conditions exceed the capabilities of the flight crew. He also acts as a mentor to First Officers.</p> <p>With extensive knowledge of the aviation industry, the Captain is also well-versed in operational manuals and airline safety regulations and standards. He is familiar with all applicable documentation and briefing materials for the intended routes of flights. He also promotes and represents the airline in accordance with organisational policies. Besides acquiring a valid pilot licence, the Captain has irregular work patterns and hours. He has acute hearing skills, even with ambient aircraft and passenger sounds. He has good visual acuity of 6/60 without optical aid, correctable to 6/6 and no colour blindness.</p>		
Critical Work Functions and Key Tasks / Performance Expectations	Critical Work Functions	Key Tasks	Performance Expectations (For legislated / regulated occupations)
	Prepare aircraft for flights	Oversee flight execution briefings to flight crew and Crew-in-Charge (CIC)	In accordance with: Commercial Pilot Licence (CPL)/ Airline Transport Pilot Licence (ATPL)/ Multi-Crew Pilot Licence (MPL)
		Assign flight roles and duties to flight crew	
		Collaborate with aircraft engineers to resolve aircraft defects	
		Oversee flight deck set-up	
		Complete pre-flight checklists	
		Endorse final decisions on fuel carriages for flights	
	Operate aircraft systems	Communicate with passenger services department on any passenger or boarding issues	
Communicate with Air Traffic Control (ATC) and aircraft engineers to push back aircraft and start engines			

		Operate aircraft for takeoff, cruise and landing according to ATC instructions and Standard Operating Procedures (SOPs)
		Monitor aircraft performance during cruise
		Prepare aircraft for descent and approach
		Review deviations from computerised flight plans
		Manage impact of hazards and risks on flight operations
		Communicate with respective countries' ATC during overflights and comply with instructions
		Make final decisions on overall flight operations and safety
	Maintain aircraft and passenger safety	Communicate with cabin crew on passenger issues
		Affirm compliance with all safety requirements by passengers and cabin crew
		Assess passenger safety risks to suspend cabin crew services
		Conduct passenger announcements on turbulence and other safety issues
		Take control of aircraft during emergencies
		Communicate with ATC and Airport Emergency Services (AES) during emergencies
	Perform post-flight operations	Approve completed post-flight documentation
		Affirm and sign off incident or voyage reports
		Complete post-flight and shut-down checklists
	Manage cabin or flight crew performance	Oversee flight crew in manual flying
		Take over as pilot flying when flight conditions exceed capabilities of flight crew
		Supervise flight crew to set up flight decks
		Manage flight crew through capability development and coaching
Act as mentor to First Officers		

	Technical Skills & Competencies		Generic Skills & Competencies (Top 5)			
	Skills & Competencies	Aircraft Cruise Operations	Level 5	Leadership	Advanced	
Aircraft Dispatch		Level 5	Decision Making	Advanced		
Aircraft Emergency Management		Level 5	Communication	Advanced		
Aircraft Landing Operations		Level 5	Problem Solving	Advanced		
Aircraft Manual Handling		Level 5	Teamwork	Advanced		
Aircraft Take-Off Operations		Level 5				
Airline Operations Management		Level 4				
Dangerous Goods Management		Level 4				
Flight Deck Communications		Level 4				
Human Factors Management		Level 5				
Inclement Weather Operations and Planning		Level 5				
Learning and Development		Level 4				
Post-Landing Operations		Level 4				
Pre-Flight Preparation		Level 4				
Stakeholder Management		Level 5				
Standard Operating Procedures Development		Level 5				
Technology Application		Level 4				
Programme Listing	For a list of Training Programmes available for the Air Transport sector, please visit: www.skillsfuture.sg/skills-framework/air-transport					

The information contained in this document serves as a guide.