

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

TSC Category	Cargo Operations					
TSC	Cargo Load Planning					
TSC Description	Develop cargo load plans to ensure safe and efficient loading and unloading of cargo					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
		ATP-CAO-2002-1.1	ATP-CAO-3002-1.1	ATP-CAO-4002-1.1		
		Prepare load plans for cargo loading and unloading operations	Oversee the development of cargo load plans to ensure safe and efficient cargo handling operations	Manage cargo load planning activities to ascertain adherence to organisational and international standards		
Knowledge		<ul style="list-style-type: none"> • Airline geography and aviation terminologies • Properties and characteristics of the main types of cargo and aircraft types and limitations • Types and interpretation of cargo labelling • Types of internal and external dimensions and threshold limits of aircraft Unit Load Devices (ULDs) • Layouts and features of aircraft cargo holds across different aircraft types • Dead load weight statements • Concept of Notification to Captain (NOTOC) • Principles of aircraft weight and balance • Local and international guidelines such as International Air Transport Association (IATA) Air Cargo Tariffs and Rules (TACT) and 	<ul style="list-style-type: none"> • Airline geography and aviation terminologies • Safety standards and requirements for different types of cargo such as live animals, perishable goods and dangerous goods • Unit Load Devices (ULDs) threshold limits • Implications of incorrect cargo labelling • Principles of load planning and aircraft weight and balance including zero fuel weight • Layouts and features of aircraft cargo holds across different aircraft types • Processes of Notification to Captain (NOTOC) • Effective sequences for loading and unloading cargo • Characteristics of different equipment used for cargo handling operations 	<ul style="list-style-type: none"> • Airline geography and aviation terminologies • Impact of environmental conditions on cargo loading and unloading operations • Principles of load planning and aircraft weight and balance including zero fuel weight • Different types of hazards associated with cargo during flights • International Air Transport Association (IATA) cargo strategy and key priorities • Local and international guidelines such as IATA Air Cargo Tariffs and Rules (TACT) and Perishable Cargo Regulations (PCR) 		

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		Perishable Cargo Regulations (PCR)	<ul style="list-style-type: none"> • Factors affecting the stability and security of cargo during flights • Local and international guidelines such as International Air Transport Association (IATA) Air Cargo Tariffs and Rules (TACT) and Perishable Cargo Regulations (PCR) 			
Abilities		<ul style="list-style-type: none"> • Identify potential hazards and risks to cargo when preparing load distribution plans • Prepare cargo load planning documentation according to cargo requirements • Execute sequence plans to ensure effective loading and unloading cargo processes • Ensure careful handling of cargo during flights according to organisational and customer requirements 	<ul style="list-style-type: none"> • Determine potential cargo hazards and risks when developing load distribution build-up plans • Evaluate cargo load plans to ensure appropriate cargo loading equipment is identified for cargo handling operations • Communicate loading and unloading arrangements to airport terminal personnel 	<ul style="list-style-type: none"> • Oversee the development of cargo load plans to ascertain compliance with IATA standards and regulations • Advise staff in rectifying issues faced in the development of cargo load plans • Propose strategies to mitigate potential hazards to cargo during flights • Develop Standard Operating Procedures (SOPs) for the development of cargo load plans • Conduct audits on current processes for cargo load plans development 		