

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

TSC Category	Ground Handling Services and Operations					
TSC	Aircraft Load Planning					
TSC Description	Plan aircraft loads with due consideration for regulatory requirements and safety standards					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			ATP-GSO-3001-1.1	ATP-GSO-4001-1.1		
			Administer methods, techniques and calculations to plan aircraft loads	Review completed load plans and oversee changes to aircraft loads to mitigate flight risks		
Knowledge			<ul style="list-style-type: none"> • Aircraft performance indicators • Types of automated and manual load sheets • Aircraft load plan formats of airlines • Safety principles to consider when planning aircraft loads • Risks associated with improper aircraft load plans • Aircraft weight and balance • Standard Operating Procedures (SOPs) and regulatory requirements for the planning of aircraft loads • Types and classifications of cargo • International Air Transport Association (IATA) load sheet information requirements • Maximum payload limitations • Usage and procedures for issuing Notifications to Captain (NOTOCs) 	<ul style="list-style-type: none"> • Aircraft performance indicators • Types of automated and manual load sheets • Types of loading equipment • Methods for load optimisation • Load control formulas • Operations manuals of airlines • Functionalities of Departure Control Systems (DCS) pertaining to load control • Contingency plans for unexpected events • Procedures to audit load planning • Past accidents and incidents associated with improper load planning in the aviation industry • Local and international guidelines such as International Civil Aviation Organisation (ICAO) Annex for Safety Management 		

			<ul style="list-style-type: none"> • Operations manuals of airlines • Dangerous Goods Regulations (DGR) • Local and international guidelines such as International Civil Aviation Organisation (ICAO) Annex for Safety Management 			
Abilities			<ul style="list-style-type: none"> • Complete load distribution plan portions on the aircraft load sheets • Issue Notifications to Captain (NOTOCs) where required • Evaluate potential risks and hazards associated with the improper calculation and completion of load sheets • Determine load planning constraints and limitations based on different aircraft types • Generate load and trim sheet documents before flights • Communicate and account for changes to load plans to relevant stakeholders and/or departments 	<ul style="list-style-type: none"> • Review and confirm the accuracy and quality of load distribution plans • Assure all risks have been taken into consideration when developing load distribution plans • Manage complex issues and situations regarding trimming of aircraft loads • Oversee audits to aircraft load planning processes 		