

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

<b>TSC Category</b>	Cargo Operations					
<b>TSC</b>	Cargo Warehousing Operations					
<b>TSC Description</b>	Plan and coordinate warehousing activities to ensure efficient and safe transportation of cargo to and from aircraft					
<b>TSC Proficiency Description</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Level 5</b>	<b>Level 6</b>
		<b>ATP-CAO-2006-1.1</b>	<b>ATP-CAO-3006-1.1</b>	<b>ATP-CAO-4006-1.1</b>		
		Execute build-up and break-down of Unit Load Devices (ULDs) to consolidate cargo for loading	Administer warehouse operations to ensure smooth transfers between warehouses and aircraft	Oversee warehousing operations to sustain safe and efficient cargo transfers based on flight schedules		
<b>Knowledge</b>		<ul style="list-style-type: none"> <li>Different types of cargo such as dangerous goods, cool-chain and perishable cargo</li> <li>Interpretation of flight and ULDs load plans, tags and labels</li> <li>Usage of warehousing equipment such as forklifts, tractors and material handling systems such as elevated transfer vehicles</li> <li>ULDs contours</li> <li>Principles of safe ULDs build-up and break-down</li> <li>Cargo lashing and tie-down techniques</li> <li>Local and international guidelines such as International Air Transport Association (IATA) ULD Regulations (ULDR) and Dangerous Goods Regulations (DGR)</li> </ul>	<ul style="list-style-type: none"> <li>Different types of cargo such as dangerous goods, cool-chain and perishable cargo</li> <li>Interpretation of cargo manifests</li> <li>Usage of warehousing equipment such as forklifts, tractors and material handling systems such as elevated transfer vehicles</li> <li>Principles of safe Unit Load Devices (ULDs) build-up and break-down</li> <li>Principles of load planning and aircraft weight and balance</li> <li>Lashing and tie-down requirements to secure loads</li> <li>Warehousing safety standards and procedures</li> <li>Ramp-warehouse coordination</li> <li>Local and international guidelines such as</li> </ul>	<ul style="list-style-type: none"> <li>Different types of cargo such as dangerous goods, cool-chain and perishable cargo</li> <li>Principles of safe Unit Load Devices (ULDs) build-up and break-down</li> <li>Principles of load planning and aircraft weight and balance</li> <li>Risks and impact of improper load distribution and ULDs management</li> <li>Aircraft schedules</li> <li>Impact of flight delays on warehousing operations</li> <li>Warehousing safety standards and regulations</li> <li>Local and international guidelines such as International Air Transport Association (IATA) ULD Regulations (ULDR) and Dangerous Goods Regulations (DGR)</li> </ul>		

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			International Air Transport Association (IATA) ULD Regulations (ULDR) and Dangerous Goods Regulations (DGR)			
<b>Abilities</b>		<ul style="list-style-type: none"> <li>• Interpret airline load plans for ULD loading</li> <li>• Store cargo in appropriate warehouse locations</li> <li>• Allocate ULDs for loading based on cargo types, weight, dimensions and special requirements</li> <li>• Consolidate cargo into ULDs for loading</li> <li>• Ensure correct cargo is consolidated for build-up</li> <li>• Apply lashing and tie-down techniques to restrain pallets</li> <li>• Assign appropriate tags and labels to ULDs</li> <li>• Build up and break down ULDs based on loading principles</li> <li>• Weigh ULDs and report to load control department</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor the build-up and break-down of ULDs based on loading principles</li> <li>• Verify ULDs weight against cargo manifests weight</li> <li>• Ensure pallets are restrained according to lashing and tie-down principles and procedures</li> <li>• Coordinate with ramp services department to ensure smooth transfers of cargo between warehouses and aircraft</li> </ul>	<ul style="list-style-type: none"> <li>• Manage day-to-day warehousing operations to ascertain adherence to safety standards</li> <li>• Implement manpower allocations based on flight schedules</li> <li>• Investigate discrepancies in cargo weight and/or missing cargo</li> <li>• Develop operational contingency plans to accommodate flight delays and/or disruptions</li> </ul>		