

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

TSC Category	Ground Handling Services and Operations					
TSC	Inclement Weather Operations and Planning					
TSC Description	Manage flight operations, airport activities and affected passengers during inclement weather conditions					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
	ATP-GSO-1015-1.1	ATP-GSO-2015-1.1	ATP-GSO-3015-1.1	ATP-GSO-4015-1.1	ATP-GSO-5015-1.1	
	Identify different types of inclement weather conditions and adhere to safety procedures	Execute response plans and procedures during inclement weather conditions	Assess the impact of inclement weather conditions on air transport operations and make adjustments to relevant processes and operations	Develop action plans to manage relevant processes and operations during inclement weather conditions	Devise strategies to manage affected stakeholders during inclement weather conditions	
Knowledge	<ul style="list-style-type: none"> Types of inclement weather conditions and associated risks affecting airport operations and flight activities Roles of different departments and/or stakeholders during inclement weather operations Safety procedures during inclement weather operations Tools and equipment to be deployed during inclement weather conditions Status of flights during inclement weather conditions 	<ul style="list-style-type: none"> Types of inclement weather conditions and associated risks affecting airport operations and flight activities Different response plans and procedures during inclement weather operations and planning Impact of inclement weather on airports, airlines and ground handling services and operations Communication procedures during inclement weather operations Airline protocols during inclement weather conditions Meteorological data 	<ul style="list-style-type: none"> Types of inclement weather conditions and associated risks affecting airport operations and flight activities Tools and techniques for flight network recovery Cost impact of inclement weather on airport and aircraft operations Contingency procedures during inclement weather conditions Impact of inclement weather on aircraft parts and components Impact of inclement weather on flight paths Local and international guidelines such as International Civil Aviation Organisation (ICAO) Annex for Meteorological Service for International Air Navigation 	<ul style="list-style-type: none"> Types of inclement weather conditions and associated risks affecting airport operations and flight activities International strategies deployed during inclement weather conditions Automation technologies to enhance operations during inclement weather conditions Aviation disasters caused by inclement weather conditions Estimated time in hours for action planning before inclement weather conditions Estimated time in hours for action recovery after inclement weather conditions Local and international guidelines such as International Civil Aviation Organisation 	<ul style="list-style-type: none"> Types of inclement weather conditions and associated risks affecting airport operations and flight activities Strategies and techniques for crisis and media management Impact of climate changes on airport operations, flight activities and ground handling services and operations Tools and techniques of project management Local and international guidelines such as International Civil Aviation Organisation (ICAO) Annex for Meteorological Service for International Air Navigation 	

				(ICAO) Annex for Meteorological Service for International Air Navigation		
Abilities	<ul style="list-style-type: none"> Identify inclement weather conditions affecting airport operations and flight activities Follow safety procedures during inclement weather conditions while performing work duties Use appropriate tools and equipment during inclement weather conditions 	<ul style="list-style-type: none"> Read and disseminate information from meteorological reports Report inclement weather conditions to relevant stakeholders Determine appropriate actions to be taken during inclement weather conditions Execute actions as outlined in response plans and Standard Operating Procedures (SOPs) during inclement weather conditions 	<ul style="list-style-type: none"> Collaborate with departments and/or stakeholders to implement recovery plans during inclement weather conditions Adjust relevant processes and operations to avoid inclement weather conditions Coordinate emergency services during inclement weather conditions Calculate cost impact and quantify cost of operations during inclement weather conditions 	<ul style="list-style-type: none"> Determine cessation of airport operations, flight activities and ground handling services and operations during inclement weather conditions Estimate time for all-clear and recovery operations Develop action plans before and after inclement weather conditions Implement new technologies to be used during inclement weather conditions 	<ul style="list-style-type: none"> Devise plans to convey outcomes of inclement weather conditions to stakeholders and the media Review and augment inclement weather contingency plans due to atmospheric changes Drive the development of new processes to mitigate the impact of climate changes on aircraft operations Lead projects to pilot the implementation of new tools, solutions and processes during inclement weather conditions 	