

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

TSC Category	Safety and Security Management					
TSC	Emergency Response Planning					
TSC Description	Plan emergency response procedures to manage incidents and accidents at the airside, terminals and landside					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
		ATP-SSM-2005-1.1	ATP-SSM-3005-1.1	ATP-SSM-4005-1.1	ATP-SSM-5005-1.1	
		Identify emergency situations and their impact on airport and airline operations	Implement emergency response plans and procedures including approaches to minimise risks and safety hazards which may impede response efforts	Develop emergency management systems to manage disasters and emergency situations at airports	Drive new strategies to enhance readiness of all airport users and stakeholders in responding to disasters and emergency situations at airports	
Knowledge		<ul style="list-style-type: none"> • Topography and layouts of airports • Emergency response structure, roles and responsibilities of teams • Notification procedures during emergency situations • Systems and methods of communication during emergency situations • Problems, safety hazards and risks when executing emergency response plans and procedures • Capabilities and limitations of operational and personal equipment to handle emergency situations • Procedures to manage different types of airport emergency situations • Local and international guidelines such as Civil Aviation Authority of Singapore (CAAS) 	<ul style="list-style-type: none"> • Topography and layouts of airports and aerodromes • Purposes and application of aerodrome markers, markings and temporary lighting • Underpinning principles of managing different types of airport emergency situations • Evacuation and sheltering techniques • Risk assessment techniques • Local and international guidelines such as Civil Aviation Authority of Singapore (CAAS) Manual of Aerodrome Standards • CAAS advisory circulars 	<ul style="list-style-type: none"> • Topography and layouts of airports and aerodromes • Principles and concepts for developing emergency management systems • Emergency preparedness assessments • Formation and functions of an emergency response centre • Risk assessment techniques • Roles and responsibilities of an incident commander • Procedures to develop tactical plans during accidents and incidents • Differences between disasters and emergency situations • Local and international guidelines such as Civil Aviation Authority of Singapore (CAAS) 	<ul style="list-style-type: none"> • Topography and layouts of airports and aerodromes • Principles and concepts for developing emergency management systems • Performance standards for emergency responses • Response strategies for different types of disasters and emergency situations • New emergency response technologies and equipment • Principles of Business Continuity and Disaster Recovery (BCDR) • Local and international guidelines such as Civil Aviation Authority of Singapore (CAAS) Manual of Aerodrome Standards • CAAS advisory circulars 	

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		<p>Manual of Aerodrome Standards</p> <ul style="list-style-type: none"> CAAS advisory circulars 		<p>Manual of Aerodrome Standards</p> <ul style="list-style-type: none"> CAAS advisory circulars 		
Abilities		<ul style="list-style-type: none"> Notify internal stakeholders of emergency situations Conduct on-site visits to identify potential emergency situations and their impact on ground handling, airport and airline operations Interpret topography and layouts of airports to determine possible escape routes in response to potential emergency situations Carry out procedures to ensure mitigating measures are implemented to minimise risks and safety hazards during emergency situations 	<ul style="list-style-type: none"> Activate internal and external resources to support emergency response efforts Document emergency response plans and procedures to provide clear directions for actions Review emergency response plans and procedures to determine potential risks and safety hazards which may hamper response efforts Develop action plans to mitigate potential risks and safety hazards during emergency situations Allocate sufficient resources to meet the resourcing needs in emergency response plans Coordinate with other teams to ensure precautionary measures are taken to facilitate emergency responses 	<ul style="list-style-type: none"> Collaborate with relevant departments, stakeholders and authorities to develop airport emergency management systems Oversee governance in the development of emergency management systems to assure adherence to regulatory requirements Manage the formation of an emergency response centre to coordinate emergency efforts across teams Evaluate the emergency response plans and procedures of the organisation to anticipate future resourcing needs and areas for enhancement Propose remedial actions to enhance projected responses during disasters and emergency situations 	<ul style="list-style-type: none"> Gauge the effectiveness of emergency management systems to establish required improvements Innovate new strategies to strengthen emergency response plans and procedures and emergency management systems Integrate best practices and new technologies in the development of emergency response plans and procedures and emergency management systems Develop BCDR plans to sustain airport operations during and after disasters and emergency situations 	