

**SKILLS FRAMEWORK SEA TRANSPORT  
SKILLS MAP - MASTER (SPECIAL LIMIT)**

<b>Sector</b>	Sea Transport			
<b>Track</b>	Port			
<b>Occupation</b>	Crew (Special Limit)			
<b>Job Role</b>	<b>Master (Special Limit)</b>			
<b>Job Role Description</b>	The Master (Special Limit) has command and control of the navigation, manoeuvring, cargo handling and stowage, communications and safe handling of a ship operating within Singapore's 'Special Limit' or about 30 nautical miles from Singapore's port. He/She ensures that the ship complies with local and international laws, as well as the port state and flag state policies, and ensures voyages are completed efficiently. He also manages the ship's crew and oversees search and rescue operations in the event of emergencies. He must pass a colour vision test and fulfil the requirements stipulated in the Standards of Training, Certification and Watchkeeping for Seafarers (STCW) issued by the International Maritime Organisation (IMO).			
<b>Critical Work Functions, Key Tasks and Performance Expectations</b>	<b>Critical Work Functions</b>	Manage navigation of ships	Plan voyages and conduct navigation	Performance Expectations (For legislated/regulated occupations)  In accordance with: • Standards of Training, Certification and Watchkeeping for Seafarers (STCW)
			Determine positions and accuracy of resultant position fix by any means	
			Determine and allow for compass errors	
			Establish watch-keeping arrangements and procedures	
			Manage safe navigation through the use of information from navigation equipment and systems to assist command decision making	
			Maintain communications with relevant coastal states as per navigational passages	
			Interpret weather and oceanographic conditions	
			Manoeuvre and handle ships in all conditions	
			Operate remote controls of propulsion plant and engineering systems and services	
	Manage search and rescue operations and navigational emergencies	Coordinate search and rescue operations		
		Respond to emergencies		
	Manage cargo handling and stowage	Plan and ensure safe loading, stowage, securing, care during the voyage and unloading of cargo		
		Assess reported defects and damage to cargo spaces, hatch covers and ballast tanks and take appropriate action		
		Manage carriage of dangerous goods		
	Control the operation of the ship and care for persons on board	Control trim, stability and stress		
Monitor and control compliance with legislative requirements and measures to ensure safety of life at sea, security and protection of the marine environment				
Maintain safety and security of the vessel, crew and passengers and the operational condition of life-saving, fire-fighting and other safety systems				
Lead and manage ships' crew				
Organise and manage the provisions of medical care on board				
Develop emergency and damage control plans and handle emergency situations				
<b>Skills and Competencies</b>	<b>Technical Skills and Competencies</b>		<b>Generic Skills and Competencies (Top 5)</b>	
	Cargo Handling and Stowage	Level 4	Communication	Advanced
	Cyber Security	Level 3	Leadership	Intermediate
	Fire Prevention and Fire-fighting	Level 4	Interpersonal Skills	Intermediate
	Navigation and Position Determination (Special Limit)	Level 3	Managing Diversity	Intermediate
	Navigation Watch (Special Limit)	Level 2	Problem Solving	Intermediate
	Personal Survival Techniques	Level 1		
	Search and Rescue Operations	Level 4		
	Ship Medical Care	Level 2		
	Ship Security	Level 4		
Survival Craft and Rescue Boats	Level 2			
<b>Programme Listing</b>	For a list of Training Programmes available for the Sea Transport sector, please visit: <a href="http://www.skillsfuture.sg/skills-framework/sea-transport">www.skillsfuture.sg/skills-framework/sea-transport</a>			

The information contained in this document serves as a guide.