

SKILLS FRAMEWORK FOR SEA TRANSPORT SKILLS MAP - HELMSMAN

Sector	Sea Transport			
Track	Port			
Occupation	Crew (Port Limit)			
Job Role	Helmsman			
Job Role Description	The Helmsman manoeuvres and handles boats or crafts operating within the Port Limit of Singapore Territorial Waters. He/She is able to use the craft's navigational, fire-fighting and safety equipment and appreciate weather conditions, tides and tidal currents. He also performs basic chartwork, monitors and anticipates potential problems that may arise during daily operations and alerts the relevant authorities to them. He must pass a colour vision test and fulfil the requirements of the Port Limit Helmsman Licence issued by the Maritime and Port Authority of Singapore (MPA).			
Critical Work Functions, Key Tasks and Performance Expectations	Critical Work Functions	Key Tasks	Performance Expectations (For legislated / regulated occupations)	
	Exercise personal survival techniques in emergency situations	Take appropriate actions in compliance with established procedures upon identifying muster signals	In accordance with: • Port Limit Manning Licence: Port Limit Helmsman	
		Ensure timing and sequence of actions are appropriate to emergency situations		
		Ensure initial actions after leaving ships minimise threat to survival		
	Fight and extinguish fires	Ensure timing and sequence of actions are appropriate to the prevailing circumstances and conditions		
		Effect rescues in smoke-filled spaces		
	Handle survival crafts in emergency situations	Take charge of survival crafts or rescue boats during and after launch		
		Manage survivors and survival crafts after abandoning ship		
		Use locating devices, including communication and signalling apparatus		
		Apply first aid to survivors		
	Steer, manoeuvre and operate boats and crafts	Apply helmsmanship skills to steer and manoeuvre boats or crafts within port waters		
		Apply seamanship skills to secure vessels at anchor and berth		
		Check condition and seaworthiness of boats or crafts		
Conduct refuelling operations				
Skills and Competencies	Technical Skills and Competencies		Generic Skills and Competencies (Top 5)	
	Chartwork	Level 2	Communication	Basic
	Cyber Security	Level 3	Interpersonal Skills	Basic
	Fire Prevention and Fire-fighting	Level 2	Managing Diversity	Basic
	Personal Survival Techniques	Level 1	Teamwork	Basic
	Ship Mooring, Anchoring and Securing Operations	Level 2	Service Orientation	Basic
	Ship Medical Care	Level 2		
	Ship Security	Level 2		
	Steering and Helmsmanship	Level 1		
	Survival Craft and Rescue Boats	Level 2		
Programme Listing	For a list of Training Programmes available for the Sea Transport sector, please visit: www.skillsfuture.sg/skills-framework/sea-transport			

The information contained in this document serves as a guide.