

**SKILLS FRAMEWORK FOR SEA TRANSPORT
SKILLS MAP - TUG MASTER**

Sector	Sea Transport			
Track	Port			
Occupation	Crew (Port Limit)			
Job Role	Tug Master			
Job Role Description	The Tug Master handles crafts and towage operating within the Port Limit of Singapore Territorial Waters, and in compliance with maritime laws, rules and regulations within Singapore's territorial waters and outside port limits. He/She assists with hazard identification, fire-fighting, pollution control and rescues, and is able to perform basic chartwork. He works well in a team and adapts by making quick and sound judgements. He must pass a colour vision test and fulfil the requirements of the Port Limit Tug Master 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: Tug Training Assessment and Certificate	
		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		
Handle tug operations	Manoeuvre tugs in accordance with operational plans			
	Maintain communications with Vessel Traffic Information System (VTIS), Harbour Pilot on vessels towed			
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	Service Orientation	Basic
	Ship Medical Care	Level 2	Lifelong Learning	Basic
	Ship Mooring, Anchoring and Securing Operations	Level 2		
	Ship Security	Level 2		
	Steering and Helmsmanship	Level 1		
	Survival Craft and Rescue Boats	Level 2		
Tug Operations	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.