

SKILLS FRAMEWORK FOR SEA TRANSPORT SKILLS MAP - CHIEF ENGINEER (SPECIAL LIMIT)				
<b>Sector</b>	Sea Transport			
<b>Track</b>	Port			
<b>Occupation</b>	Marine Engineer (Special Limit)			
<b>Job Role</b>	Chief Engineer (Special Limit)			
<b>Job Role Description</b>	The Chief Engineer (Special Limit) is responsible for all operations and maintenance of engineering equipment on board ships powered by main propulsion machinery of less than 3,000 kW operating within Singapore's 'Special Limit' or about 30 nautical miles from Singapore's port. He/She maintains the main engine room and determines the consumables required for the voyage. He must pass a colour vision test and fulfil the requirements under 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>	<b>Key Tasks</b>		<b>Performance Expectations (For legislated / regulated occupations)</b>
	Maintain safe engineering watch	Maintain engineering watch in accordance with practices and procedures and established safety rules and regulations		In accordance with: • Standards of Training, Certification and Watchkeeping for Seafarers (STCW)
		Ensure compliance to rules and regulations, flag state administration, International Maritime Organisation (IMO) and port state authority		
		Lay down standing orders in accordance with routine maintenance schedules		
	Operate electrical, electronic and control systems	Oversee maintenance of machinery in accordance with schedules, operating conditions and instructions throughout normal operation		
	Exercise personal survival techniques in emergency situations	Oversee conduct of shipboard emergency drills		
		Manage emergency situations in compliance with procedures		
	Fight and extinguish fires	Inspect ship emergency and personal safety equipment		
		Maintain communications with Master and Chief Mate during emergency situations		
	Handle survival crafts in emergency situations	Provide guidance to crew in emergency situations		
Manage survivors and survival crafts after abandoning ship				
<b>Skills and Competencies</b>	<b>Technical Skills and Competencies</b>		<b>Generic Skills and Competencies (Top 5)</b>	
	Electrical, Electronic and Control Engineering	Level 3	Communication	Basic
	Engineering Watch	Level 3	Interpersonal Skills	Basic
	Fire Prevention and Fire-fighting	Level 2	Teamwork	Basic
	Personal Survival Techniques	Level 1	Problem Solving	Basic
	Ship Medical Care	Level 2	Decision Making	Basic
	Ship Security	Level 2		
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.