

SKILLS FRAMEWORK FOR SEA TRANSPORT

SKILLS MAP - SENIOR TECHNICAL SUPERINTENDENT/TECHNICAL SUPERINTENDENT

Sector	Sea Transport		
Track	Shipping		
Occupation	Technical Superintendent		
Job Role	Senior Technical Superintendent/Technical Superintendent		
Job Role Description	<p>The Senior Technical Superintendent/Technical Superintendent oversees the safe, economic and efficient operation of ships assigned, and ensures ships are managed and operated in accordance with organisational policies, operating procedures and management systems. He/She analyses risks and ensures that all procedures are adhered to and comply with classification rules and requirements of the International Maritime Organisation (IMO) code, International Labour Organisation (ILO) regulations, International Safety Management (ISM) code, International Ship and Port Facility Security (ISPS) code, Maritime Labour Convention (MLC) regulations and International Standards Organisation (ISO).</p> <p>He is well organised, is able to work in a team and may occasionally be required to sail on-board ships.</p>		
Critical Work Functions, Key Tasks and Performance Expectations	Critical Work Functions	Key Tasks	Performance Expectations (For legislated/regulated occupations)
	Oversee ship compliance to regulatory requirements and legislation	Ensure ships comply with International, flag state and port state rules and regulations Ensure ships maintain class and safety regulations at all times Ensure timely execution of surveys, and certificates renewals, and adequacy of documentation placement of documents onboard ships	In accordance with: <ul style="list-style-type: none"> • International Maritime Organisation (IMO) code • International Labour Organisation (ILO) regulations • International Safety Management (ISM) code • International Ship and Port Facility Security (ISPS) code • Maritime Labour Convention (MLC) regulations • International Standards Organisation (ISO)
	Oversee crew management matters	Brief crew on organisational policies, documentation and procedures Conduct appraisals of chief engineers and second engineers Ensure team members are trained, coached and mentored in alignment with industry standards and organisation needs	
	Manage maintenance of ships to ensure seaworthiness	Coordinate with service engineers and contractors for ship repairs and maintenance issues Consult with manufacturers for specialist advice and guidance in complex ship repairs and maintenance issues Ensure ships' conditions and maintenance standards adhere to organisation procedures Prepare specifications and evaluate tenders Monitor ship defects list and ensure follow-up is carried out to address defects Analyse nature and causes of serious breakdowns and damages Purchase parts and liaise with machinery makers and vessel parts manufacturers	
	Manage ship budget and expenditure	Monitor operating costs and submit quarterly budget follow-up reports Submit reports on budget, monthly key performance indicators and targets	
	Manage resource planning	Optimise utilisation of resources Acquire and allocate resources to support operations Ensure ships maintain adequate supply of critical and spare parts	
	Manage business risks	Manage compliance to risk management frameworks, policies and processes Conduct data analysis to identify trends and patterns of business-associated risk and recommend mitigation actions	
	Lead improvements to enhance efficiency	Oversee implementation of workflow improvements to improve efficiency Assess viability of workflow improvements	
	Service client accounts	Update clients on ship status, using available information platforms Maintain relationships with ship owners Analyse market data to identify business opportunities	

	Technical Skills and Competencies		Generic Skills and Competencies (Top 5)	
	Skills and Competencies	Budgeting	Level 4	Service Orientation
Business Continuity Management		Level 4	Interpersonal Skills	Advanced
Business Data Analysis		Level 2	Communication	Intermediate
Business Planning		Level 4	Creative Thinking	Intermediate
Cash Flow Reporting		Level 3	Problem Solving	Advanced
Crew Management		Level 4		
Crisis Communication		Level 4		
Crisis Management		Level 4		
Cyber Security		Level 3		
Dry Dock Project Management		Level 4		
Employee Relations		Level 3		
Financial Analysis		Level 3		
Financial Management		Level 3		
Fleet Procurement		Level 4		
Innovation		Level 4		
Learning and Development		Level 3		
Manpower Planning		Level 3		
Market Research		Level 3		
Networking		Level 4		
Organisational Strategy and Policy Realisation		Level 4		
Resource Management		Level 3		
Risk Compliance and Governance		Level 4		
Risk Control and Response Planning		Level 4		
Service Excellence		Level 4		
Ship Compliance Management		Level 4		
Ship Cyber Security		Level 4		
Ship Maintenance and Repair (Dock)	Level 4			
Ship Repair Management	Level 4			
Technology Integration	Level 3			
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.