

**SKILLS FRAMEWORK FOR SEA TRANSPORT
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE DOCUMENT**

TSC Category	Ship Navigation					
TSC	Search and Rescue Operations					
TSC Description	Manage and respond to search and rescue operations at sea					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
		STP-SNG-2005-1.1	STP-SNG-3005-1.1	STP-SNG-4005-1.1		
		Operate emergency equipment and apply emergency procedures	Respond to emergencies and distress signals at sea	Direct responses to emergencies and distress signals at sea		
Knowledge		<ul style="list-style-type: none"> Emergency duties and alarm signals Pyrotechnic distress signals Satellites Emergency Position-Indicating Radio Beacon Stations (EPIRBs) Search and Rescue Transponders (SARTs) Distress alerts 	<ul style="list-style-type: none"> Emergency procedures Emergency steering Arrangements for towing and for being taken in tow Rescuing persons from sea Methods to assist vessels in distress International Aeronautical and Maritime Search and Rescue (IAMSAR) manual Contingency plans Standing orders Types of distress or emergency signals Visual signalling International code of signals 	<ul style="list-style-type: none"> Aeronautical and Maritime Search and Rescue (IAMSAR) manual Emergency procedures Precautions when beaching ships Actions to be taken if grounding is imminent and after grounding Procedures to re-float ships Actions to be taken if collision is imminent and following a collision Assessment of damage control Emergency steering Emergency towing arrangements and towing procedures 		
Abilities		<ul style="list-style-type: none"> Identify types and scale of emergency Recognise distress and emergency signals Implement contingency plans and instructions in standing orders 	<ul style="list-style-type: none"> Manoeuvre vessels to respond to urgency of situations and nature of emergencies Take immediate actions following collisions or groundings Conduct initial damage assessment and control 	<ul style="list-style-type: none"> Take immediate actions following collisions or groundings Coordinate search and rescue operations in accordance with international guidelines and standards 		

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			<ul style="list-style-type: none"> • Transmit and receive information by visual signalling 	<ul style="list-style-type: none"> • Establish radio-communications in search and rescue situations • Oversee navigational emergencies while ensuring safety of persons on board and compliance with established procedures 		
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