



Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
	SAR preparedness			<p>immediate danger and its importance.</p> <ul style="list-style-type: none"> <li>• Discuss SAR equipment preparedness</li> <li>• Describe the Factors that limit SRU operational efficiency at the end of a SAR mission.</li> </ul>	
	Recognize the role and responsibilities of the SAR co-ordinator	X		<ul style="list-style-type: none"> <li>• Define the authority and function of the SAR Coordinator according to the Canada Shipping Act</li> <li>• List the various ways in which the SAR system may be alerted</li> <li>• Describe the stages of a SAR incident</li> <li>• Distinguish the degrees of emergency for a maritime SAR incident</li> <li>• List the actions to be taken by a SAR Coordinator during the phases of a maritime SAR incident</li> </ul>	

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
				<ul style="list-style-type: none"> <li>Describe the methods used to gather information about a potential SAR incident</li> <li>List the information required to initiate a search and rescue response</li> <li>Explain the operational relationship between the SAR Coordinator and the small vessel coxswain</li> <li>Discuss the requirements for reducing or concluding a search</li> <li>Describe the decision making process involved in SAR</li> </ul>	
	Utilize maritime SAR resources	X	X	<ul style="list-style-type: none"> <li>Describe the role of Marine Communications and Traffic Center's (MCTS) in all SAR operations</li> <li>Explain the types, characteristics and limitations of primary maritime SAR units</li> <li>Define the normal state of readiness for primary SAR units</li> </ul>	

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
				<ul style="list-style-type: none"> <li>Describe the role of the Canadian Coast Guard Auxiliary (CCGA)</li> <li>Describe the role of aircraft in SAR operations</li> <li>Describe primary SAR aircraft capabilities and roles in maritime SAR and their locations/standby posture.</li> <li>Explain the advantages of using aircraft for SAR operations</li> <li>List other resources available to assist in resolving a SAR incident</li> <li>Explain the small vessel coxswain responsibilities when conducting operations</li> </ul>	
	Practice effective SAR communication skills	X	X	<ul style="list-style-type: none"> <li>Explain the National SAR Manual policy for release of information concerning SAR incidents</li> <li>List the means of communications used by JRCC/MRSCQ for the co-</li> </ul>	

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
				ordination of SAR incidents <ul style="list-style-type: none"> <li>• Discuss the purpose of GMDSS in SAR</li> <li>• List the internationally recognized distress signals</li> <li>• List various methods for communicating with aircraft</li> <li>• Organize the information required in order to complete a SAR Mission Report</li> <li>• Explain the importance of crew de-briefing following a SAR mission</li> <li>• Discuss ways of dealing with next of kin of missing or deceased persons after a SAR mission</li> </ul>	
Risk Assessment	<ul style="list-style-type: none"> <li>• Limitations of self</li> <li>• Limitations of Mobile Facility/SRU</li> </ul>	X	X	In accordance with standard operating procedures and the practice of good seamanship	<ul style="list-style-type: none"> <li>• Recognize individual limitations and limitations of Mobile Facility/SRU</li> <li>• Integrate risk management into CCGA activities</li> </ul>

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
SAP Assessment		X	X	<p>Each crewmember shall participate in all the steps of a SAP scene assessment and verify their assigned responsibilities in a rescue plan using the principles of two-way communication. These crewmembers will communicate their actions and relevant steps throughout the execution of a plan.</p> <p>Each crewmember shall explain the steps involved in a SAP assessment and describe the terms “event zone” and “two way communication”.</p>	<ul style="list-style-type: none"> <li>• Crewmembers will explain the SAP assessment and list the steps involved.</li> <li>• They will create an action plan based on information given and describe the steps involved in two way communication.</li> </ul> <p>or</p> <ul style="list-style-type: none"> <li>• As a member of a familiar vessel and given a real incident scene or exercise scenario each crewmember shall participate in an effective SAP assessment and verify their assigned responsibilities in a rescue plan using the principles of two-way communication.</li> </ul>
Scene Assessment	Advanced crew shall lead a SAP scene assessment by pacing their crew through steps and advising each member of the roles assigned in the plan. They will lead the crew	X	X	List and explain the components of a SAP assessment with emphasis on the crew communication process. Given a rescue or recovery scenario	Importance of balance the capabilities of the SRU unit (crew and equipment) with the limitations or challenges of a

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
	through the conception of a viable plan followed by the safe execution of that plan.			list and explain some possible points to consider during the scene assessment or plan formulation.	scene to create.
Conduct maritime rescues	Develop rescue plans  Conduct rescue operations involving a capsized vessel	X		<ul style="list-style-type: none"> <li>List the elements of a rescue plan</li> <li>Discuss the factors to be considered in a rescue plan</li> <li>Explain the importance of preparing for SAR operations prior to arriving on scene</li> <li>Discuss risk assessment prior to arrival on scene</li> <li>Discuss crew involvement in rescue planning</li> <li>Value the importance of assessing a rescue scene prior to taking action</li> <li>Evaluate the risks involved in rescuing survivors from a capsized vessel</li> <li>Describe the actions and precautions to be observed in order to rescue survivors from</li> </ul>	

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
				<ul style="list-style-type: none"> <li>a capsized vessel.</li> <li>Discuss alternative measures when dealing with survivors trapped within a capsized vessel</li> <li>Discuss the use of divers as part of response to a capsized vessel</li> <li>Synthesize a rescue operation plan for a capsized vessel</li> </ul>	
	<p>Conduct rescue operations involving a burning vessel</p> <p>Conduct rescue operations involving a survival craft</p>	X	X	<ul style="list-style-type: none"> <li>Evaluate the risks involved in rescuing survivors from a burning vessel</li> <li>Synthesize a rescue operation plan for a burning vessel be offered to a disoriented vessel.</li> <li>Evaluate the risks involved in rescuing survivors from a survival craft</li> <li>Discuss alternative measures when dealing with people in a survival craft</li> <li>Integrate a person in water</li> </ul>	



Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
	<p>Conduct rescue operations involving a person in the water</p> <p>Conduct rescue operations involving a grounded vessel</p>			<p>rescue operation</p> <ul style="list-style-type: none"> <li>• Evaluate the risks associated with rescuing a person in the water.</li> <li>• Integrate a person in water rescue operation</li> <li>• Evaluate the risks associated with assisting a grounded vessel.</li> <li>• Synthesize a rescue operation plan for a grounded vessel</li> </ul>	
	Conduct rescue operations involving or disoriented vessel	X	X	<ul style="list-style-type: none"> <li>• Discuss the CCGA policy toward the provision of assistance to disoriented vessels.</li> <li>• Evaluate the risks associated with assisting a disoriented vessel</li> <li>• List the types of assistance that could be offered to a disoriented vessel.</li> <li>• Synthesize a rescue operation plan for a disabled or</li> </ul>	

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
	Conduct rescue operations involving a medical evacuation			<p>disoriented vessel</p> <ul style="list-style-type: none"> <li>• Integrate a rescue operation to provide assistance to a disoriented vessel</li> <li>• Evaluate the risks associated with conducting medical evacuations</li> <li>• Discuss alternative measures to conducting a medevac</li> <li>• Explain the responsibilities between the COXSWAIN and the Rescue Specialist</li> <li>• Discuss considerations for transporting external medical personnel</li> <li>• Evaluate the factors to consider when selecting an evacuation point</li> <li>• Evaluate the risks involved in transferring people between two vessels underway.</li> <li>• Evaluate the risks involved in transferring people between</li> </ul>	

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
	Conduct rescue operations involving a sinking vessel	X	X	<ul style="list-style-type: none"> <li>• two vessels making way</li> <li>• Synthesize a rescue operation plan for a marine medical evacuation (medevac)</li> <li>• Evaluate the risks associated with providing a dewatering pump to a casualty vessel</li> <li>• Discuss alternatives to providing a dewatering pump to a casualty vessel.</li> <li>• Synthesize a rescue operation plan for a sinking vessel</li> <li>• Perform the transfer of a SAR pump from a SRU to a disabled vessel while underway.</li> <li>• Discuss problems that may occur with operation of dewatering pumps</li> <li>• Operate dewatering pumps</li> <li>• Discuss the role of the CCG crew with respect to assisting other vessels with damage control</li> </ul>	

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
	Conduct combined rescue operations with aircraft	X	X	<ul style="list-style-type: none"> <li>• Discuss on board preparations for working with DND helicopters</li> <li>• Describe the policies and procedures related to CCGA vessels working with DND air assets.</li> <li>• Explain emergency break away procedures between CCGA vessels and DND helicopters</li> <li>• Explain vessel manoeuvres associated with DND helicopter hoisting operations</li> <li>• Perform hoisting operations with DND helicopters</li> <li>• Describe the process of dropping a rescue pump from a DND fixed wing aircraft</li> <li>• Describe the process of dropping a SKAD or SRK (Sea Rescue Kit) from a DND fixed wing aircraft</li> </ul>	
	Conduct recovery operations	X	X	<ul style="list-style-type: none"> <li>• Evaluate the risks associated with body recovery operations</li> </ul>	

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
				<ul style="list-style-type: none"> <li>• Discuss special considerations when recovering a body from the water</li> <li>• Discuss information that may be required by outside agencies, such as RCMP and the Coroner.</li> <li>• Discuss factors in determining landing location for recovered bodies</li> </ul>	
Boarding	<ul style="list-style-type: none"> <li>• Each crewmember will confirm with the</li> <li>• Coxswain-captain the signals and boarding plan before commencing.</li> <li>• Each crewmember will get confirmation to board from the coxswain before stepping off the vessel.</li> <li>• Each crewmember (if the boarded vessel is higher), will step all at the top of the rise and move from one vessel to the other in one quick motion.</li> <li>• Each crewmember will pass gear over</li> </ul>	X	X	<ul style="list-style-type: none"> <li>• Each crewmember explains the situations in which a vessel would board another vessel moving or stopped.</li> <li>• Each crewmember shall list the signals pre-established by the coxswain prior to boarding another vessel.</li> <li>• Each crewmember shall be able to identify possible hazards on-board another vessel and Stop Assess and Plan with the team before</li> </ul>	<p>Each crewmember will repeat and confirm the coxswain's signals before commencement of boarding.</p> <p>Given a live scenario each crewmember will explain the parts of the operation that present the greatest risk to injury.</p> <ul style="list-style-type: none"> <li>• Stepping off the vessel</li> <li>• Leaning over the side</li> <li>• Passing gear over</li> <li>• Effects of the weather on boarding operations</li> </ul>

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
	to the other vessel prior to or after boarding the vessel.			boarding.	<p>Crewmember's knowledge of boarding operations is best evaluated through competent performance of the skill. Given reasonable weather (light to moderate wind and sea). Stopped or moving slowly (2-5 knots) each crewmember will:</p> <ul style="list-style-type: none"> <li>• Participate in a SAP assessment</li> <li>• Communicate with coxswain and confirm signals</li> <li>• Ready gear for transfer</li> <li>• Get confirmation from coxswain</li> <li>• Confirm the permission of the vessel's owner-operators</li> <li>• Transfer gear</li> <li>• Step on-board in one swift move</li> </ul> <p>Confirm all gear is secure and vessel is safe</p>
Vessel dewatering	<ul style="list-style-type: none"> <li>• Each crewmember shall be able to operate all dewatering equipment of</li> </ul>	X	X	<ul style="list-style-type: none"> <li>• Each crewmember shall be able to locate all the</li> </ul>	<ul style="list-style-type: none"> <li>• Crewmember's knowledge of salvage and damage</li> </ul>

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
	<p>the SRU.</p> <ul style="list-style-type: none"> <li>Each crewmember shall be able to set up and operate the salvage/fire pump, portable or mounted fire pump: <ul style="list-style-type: none"> <li>Set up in appropriate place (portable)</li> <li>Check fuel &amp; oil</li> <li>Attach suction hose &amp; and assign a monitor to suction and output</li> <li>Adjust fuel, choke and spark to start</li> <li>Start and adjust pump for desired output</li> </ul> </li> </ul>			<p>dewatering equipment on board the SRU and describe its use,</p> <ul style="list-style-type: none"> <li>Each crewmember shall locate and describe the safe operation of the salvage-fire pump and all fittings for dewatering.</li> </ul>	<p>control operations is best evaluated through competent performance of the skill.</p> <ul style="list-style-type: none"> <li>Given a scenario, the crewmembers shall explain possible strategies for damage control and dewatering of a vessel.</li> <li>Given a period of ten minutes a crewmember shall set up and operate the SRU's salvage pump effectively.</li> <li>Each crewmember shall locate and operate any other dewatering devices on board the SRU and disassemble, clean, and flush equipment.</li> </ul>
Minimize the risk of fire and maintain a state of readiness to respond to emergency situations involving fire	<p>Shipboard firefighting organization. Location of firefighting appliances and emergency escape routes;</p> <ul style="list-style-type: none"> <li>The elements of fire and explosion (the fire triangle);</li> <li>Types and sources of ignition;</li> </ul>	X	X		<ul style="list-style-type: none"> <li>Initial actions on becoming aware of an emergency conform with accepted practices and procedures</li> <li>Action taken on identifying muster signals is appropriate</li> </ul>

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
	<ul style="list-style-type: none"> <li>Flammable materials, fire hazards and spread of fire</li> <li>The need for constant vigilance;</li> <li>Actions to be taken on board ship Fire and smoke detection and automatic alarm systems;</li> <li>Classification of fire and applicable extinguishing agents.</li> </ul>				and complies with established procedures
Fight and extinguish fires	<p>Firefighting equipment and its location on Board</p> <p>Knowledge of:</p> <ul style="list-style-type: none"> <li>fixed installations</li> <li>fire fighters outfits</li> <li>personal equipment</li> <li>firefighting appliances and equipment</li> <li>firefighting methods</li> <li>firefighting agents</li> <li>firefighting procedures</li> <li>use of breathing apparatus for fighting fires and effective rescues</li> </ul>	X	X		<ul style="list-style-type: none"> <li>Clothing and equipment are appropriate to the nature of the firefighting operations</li> <li>The timing and sequence of individual actions are appropriate to the prevailing circumstances and conditions</li> <li>Extinguishment of fire is achieved using appropriate procedures, techniques and firefighting agents</li> <li>Breathing apparatus procedures and techniques comply with accepted practices and procedures</li> </ul>



Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
Approaching a Vessel on Fire	Form a plan from the SAP process: safety of crew and vessel must take priority over attempts to save property.	X	X	Understand the risks associated with a vessel on fire. Understand when approaching a burning vessel is warranted, and when it should be avoided, When warranted; understand the safest methods of approaching a vessel on fire.	Make clear decisions with the crew's safety being paramount,
Firefighting	<p>Crewmembers shall operate the following equipment</p> <p>Portable or mounted fire pump:</p> <ul style="list-style-type: none"> <li>• Set up in appropriate place (portable)</li> <li>• Check fuel &amp; oil</li> <li>• Attach hose &amp; nozzle and assign control person</li> </ul> <p>Nozzle:</p> <ul style="list-style-type: none"> <li>• Adjust fuel, choke and spark to start</li> <li>• Start and adjust pump for desired output</li> </ul> <p>Fire Extinguisher:</p> <ul style="list-style-type: none"> <li>• Pull pin and safely strap off of handle</li> <li>• Direct at base of appropriate class fire</li> <li>• Discharge with sweeping motion to effectively control fire</li> </ul>	X	X	<ul style="list-style-type: none"> <li>• Crewmembers shall be able to differentiate between the classes of fires and the extinguishing agents that are effective against them.</li> <li>• Crewmembers shall be able to identify the steps in operation of the following equipment: <ul style="list-style-type: none"> <li>• Fire extinguishers (types on board)</li> <li>• Fire pump hose and nozzles</li> </ul> </li> </ul>	Knowledge of fire equipment, procedures and protocols can be evaluated through competent performance during scenarios set up for evaluation and practice purposes.

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
Initiate and Conduct Rescue	Recovery <ul style="list-style-type: none"> <li>• Persons in water</li> <li>• From life rafts/survival craft</li> <li>• From other vessel/ditched aircraft/fixed structures</li> </ul>	X	X		Adapt techniques for recovery of persons according to situations presented.
Medical Evacuation	<ul style="list-style-type: none"> <li>• Secure and stabilize patients to permit a safe medical evacuation.</li> <li>• Complete or ensure patient documentation is completed when the patient is handed over to the next level of care.</li> </ul>	X	X	Understand how to coordinate the medical evacuation with other agencies.	Maintain a cooperative attitude with other agencies.
Casualty Extraction and Shore Line Operations	<ul style="list-style-type: none"> <li>• Supervise the packaging and extraction of a Patient from shore and transfer onto vessel.</li> <li>• Understand protocols for requesting other resources, e.g. helicopters. Recognize when a mission or extraction is beyond one's capability,</li> </ul>	X	X	<ul style="list-style-type: none"> <li>• Possess an intimate knowledge of the local area in order to be able to assess if the operation is within the capabilities of the vessel and crew,</li> <li>• Be familiar with casualty packaging and extraction.</li> <li>• Recognize the risks associated with any near shore operation.</li> </ul>	Maintain control of the crew and vessel during casualty extraction operations.
Recovery	Each crewmember shall perform the different roles involved in the following recovery actions.	X	X	<ul style="list-style-type: none"> <li>• Each crewmember shall identify the steps for and dangers involved in recovery</li> </ul>	<ul style="list-style-type: none"> <li>• Crewmember's knowledge of person in the water recovery operations is best</li> </ul>

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
	Recovering persons from the water: <ul style="list-style-type: none"> <li>Spotting</li> <li>Raising the alarm</li> <li>Spotter duties relaying information to the driver using effective means</li> <li>Driving the vessel</li> <li>Crew overboard driving skills</li> <li>Turn using best method for returning to original track</li> <li>Get tile vessel downwind down current or down swell with bow into dominant conditions at a fair distance from the person in the water</li> <li>Stop Assess Plan</li> <li>Approach and recover</li> <li>Can use life lines or life buoy to recover</li> <li>May need a re-boarding device</li> </ul>			operations such as <ul style="list-style-type: none"> <li>Recovering persons from a vessel, in heavy seas, on fire, sinking</li> <li>Recovering persons from the water</li> <li>Recovering persons from shore</li> <li>Each crewmember will explain the risks of mishandling a severely hypothermic patient during recovery.</li> </ul>	evaluated through competent performance of the skill. <ul style="list-style-type: none"> <li>Given light to moderate winds and a person or mannequin in the water, the crewmember shall participate in the successful recovery of a person in the water. This skill can be included in a standard MOB exercise.</li> <li>Given a scenario using a real vessel or shoreline for visual reference, a crewmember shall describe the steps Involved in the recovery of persons off of a vessel or the shore.</li> </ul>
Treatment, Transport, and Transfer of Persons	<ul style="list-style-type: none"> <li>Each crewmember shall be able to perform the basic steps of life support as outlined in the Marine Emergency/Standard First Aid course.</li> <li>Each crewmember will be able to</li> </ul>	X	X	<ul style="list-style-type: none"> <li>Each crewmember will list the steps to basic life support (CPR) as outlined in the Marine Emergency-Standard First Aid course.</li> </ul>	<ul style="list-style-type: none"> <li>Crewmember's knowledge of basic life support is recognized prior learning through a current first aid ticket.</li> </ul>

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
	<p>locate and set up a vessel's patient transport equipment and securing system.</p> <ul style="list-style-type: none"> <li>The patient shall be prosecuted in a manner (hat allows for quick release in case of an emergency yet secured sufficiently to immobilize injuries and prevent excessive movement during transport.</li> </ul>			<ul style="list-style-type: none"> <li>Each crewmember will be able to locate and explain their vessel's patient transport equipment and securing system.</li> <li>Each crewmember will list a pre-secured established set of commands used by crew when transferring a patient.</li> </ul>	<ul style="list-style-type: none"> <li>A crewmember's knowledge of patient immobilization and secure for transport is best evaluated through competent performance of the skill.</li> <li>Each crewmember shall explain the hazards of patient transfer to other vessels.</li> <li>Given a patient and a transport stretcher immobilization device each crewmember shall immobilize Injuries and secure the patient for transport. They will be able to explain the risks and dangers involved in transport and transfer in different situations.</li> </ul>
Rescue and Recovery	In consultation with the coxswain, crewmembers shall participate in the assessment of rescue vs. recovery and lead a	X	X	<ul style="list-style-type: none"> <li>Explain the steps for a rescue-recovery of a person from water, shore, or shallows in</li> </ul>	Maintain SRU vessel priorities with regards to conducting risky recovery operations.

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain	Crew Captain		
	rescue/recovery operation by providing direction and coaching to his/her crew through the evolution as well as effectively carrying out a primary function in the rescue process such as helm or bringing the person on board. Conduct the rescue with respect to mishandling hypothermic and injured person.			<p>accordance with vessel specific constraints.</p> <ul style="list-style-type: none"> <li>Describe the risks to the vessel and personnel when engaged in these operations. Describe the effects of mishandling a recovered casualty.</li> </ul>	
Treatment, Transport and Transfer	<ul style="list-style-type: none"> <li>Crewmembers shall be able to assess patients for vital signs and levels of responsiveness, supervise and assist in the stabilization and Immobilization of the patient.</li> <li>Crewmembers shall make plans for effective securing of patients on board vessel.</li> <li>Conduct a professional patient handover to higher level of care.</li> </ul>	X	X	Understand the Importance of the golden hour with regard to patient care and be able to keep records and follow up with records transfer to the next level of care. Be aware of the capabilities of other resources and their communications protocols.	<ul style="list-style-type: none"> <li>Ensure casualty primary assessments are attended to with urgency.</li> <li>Ensure casualties are constantly monitored and attended to.</li> <li>Care of personal effects.</li> </ul>
Medical Evacuation by Helicopter	<ul style="list-style-type: none"> <li>Each crewmember shall be able to secure the vessel decks and equipment for helicopter operations.</li> <li>Each crewmember will use pre-established signals appropriately during helicopter operations,</li> </ul>	X	X	<ul style="list-style-type: none"> <li>Be familiar with helicopter operations.</li> <li>Each crewmember shall explain the danger of static charge build-up on the lift line. Each crewmember shall understand</li> </ul>	<ul style="list-style-type: none"> <li>Maintain control of the crew and vessel during helicopter operations.</li> <li>Coordinate helicopter operations with regard for the safety of the crew, the</li> </ul>

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
	<ul style="list-style-type: none"> <li>Coordinate preparations for a victim hoist.</li> <li>Ensure proper communications between the crew and the helicopter.</li> <li>Take action to mitigate the hazards associated with helicopter operations.</li> </ul>			all pre-established hand or voice signals between helicopter and SRU.	vessel, and the helicopter. <ul style="list-style-type: none"> <li>Given a hoisting exercise the crewmembers shall participate in the pre-hoist safely briefing, secure the vessel for operations and communicate constantly during the exercise.</li> </ul>
Dealing with emergency situations		X	X	<ul style="list-style-type: none"> <li>Be able to identify measures to be taken in emergency situations such as:               <ul style="list-style-type: none"> <li>Collision</li> <li>Grounding</li> <li>Flooding</li> <li>Fire</li> <li>Man overboard</li> <li>Release of a polluting substance or liquid</li> </ul> </li> <li>Measures to be taken to ensure protection and safety of crew members and passengers in emergency situations, cold shocks and hypothermia</li> </ul>	

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
				<ul style="list-style-type: none"> <li>The master's obligation with regard to initial and subsequent reports to be made in case of a marine occurrence</li> </ul>	
Take immediate action upon encountering an accident or other medical emergency	<ul style="list-style-type: none"> <li>Assessment of needs of casualties and threats to own safety;</li> <li>Appreciation of body structure and functions;</li> <li>Understanding of immediate measures to be taken in cases of emergency, including the</li> <li>ability to: <ul style="list-style-type: none"> <li>position casualty;</li> <li>apply resuscitation techniques;</li> <li>control bleeding;</li> <li>apply appropriate measures of basic shock management;</li> <li>apply appropriate measures in event of scalds, including</li> <li>accidents caused by electric current;</li> <li>rescue and transport a casualty; and</li> </ul> </li> </ul>	X	X		<ul style="list-style-type: none"> <li>The manner and timing of raising the alarm is appropriate to the circumstances of the accident or medical emergency</li> <li>The identification of probable cause, nature and extent of injuries is prompt and complete and the priority and sequence of actions is proportional to any potential threat to life</li> <li>Risk of further harm to self and casualty is minimized at all times</li> </ul>

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain	Crew Captain		
	improvise bandages and use materials in emergency kit.				
Damage Control Operations	<ul style="list-style-type: none"> <li>Be prepared to conduct a reasonable casualty vessel assessment outlining tasks and resources required.</li> <li>Review available courses to reach a plan. Supervise and assist in the safe execution of the plan specifics.</li> </ul>	X	X	<ul style="list-style-type: none"> <li>Each crewmember shall describe the safe working loads and proper guidelines for all rigging or tackle on board.</li> <li>Crewmembers will be able to locate and identify tools and objects on board that could be used to plug or patch a hole on a stricken vessel.</li> </ul>	Given items such as a collision mat or tarp and a wooden plug and rags a crewmember will describe the appropriate action in an appropriate situation.
Grounding and Damage Control	<ul style="list-style-type: none"> <li>Demonstrate the ability to react to a grounding or flooding situation by assessing the situation and taking quick action to minimize the danger to vessel and crew.</li> <li>Quickly assign tasks to the crew and follow the direction of the coxswain.</li> <li>Carry out the tasks involved for abandonment of the vessel when ordered by the coxswain.</li> </ul>	X	X	<ul style="list-style-type: none"> <li>List the damage control equipment on board and explain its application in the event of flooding.</li> <li>In the event or grounding have tide information ready for reference.</li> <li>List the steps and all crew duties for abandonment.</li> <li>Awareness of the affects and factors of environment, vessel construction, current conditions, execution of the</li> </ul>	<ul style="list-style-type: none"> <li>Lead training and practice sessions that maintain crew Readiness for situations such as grounding or flooding.</li> <li>Assessment of scene safety and stability.</li> </ul>



Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
				<p>procedures within an evolving framework.</p> <ul style="list-style-type: none"> <li>• Understanding or the limitations of standard damage control procedures with regard to vessel stability.</li> </ul>	
Pollution prevention and Report of Marine incidents and accidents		X		<ul style="list-style-type: none"> <li>• Knowledge of the precautions to be taken during fuelling</li> <li>• Knowledge of the statutory requirements to report pollution incidents</li> </ul>	
Conduct an oil spill assessment		X		<ul style="list-style-type: none"> <li>• Determine the behaviour of oil spilled in the marine environment</li> <li>• Determine oil spill response priorities</li> <li>• Determine the impacts of an oil spill in the marine environment</li> <li>• Develop an oil spill assessment</li> <li>• Conduct initial spill evaluation</li> </ul>	
Conduct on-water response to a marine oil spill	<ul style="list-style-type: none"> <li>• Ensure containment of oil spilled on water in the marine environment</li> <li>• Design improvised barriers using local</li> </ul>	X		<ul style="list-style-type: none"> <li>• Use absorbents to recover spilled oil on the water in a marine environment</li> </ul>	

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
	<p>materials</p> <ul style="list-style-type: none"> <li>• Maneuver a boom into and in water</li> <li>• Understand the recovery of oil on water in the marine environment</li> <li>• Understand the overall oil spill response, from notification to cost recovery</li> <li>• Understand the purposes of all parties involved in a marine pollution incident</li> <li>• Conduct post-incident activities</li> <li>• Understand the roles and responsibilities of an On-Scene Commander (OSC) in the event of a marine pollution incident</li> <li>• Work with marine pollution stakeholders</li> <li>• Understand international oil spill response operations</li> <li>• Understand elements involved in terminating oil spill response operations</li> </ul>			<ul style="list-style-type: none"> <li>• Use a disk skimmer to recover oil spilled on water in the marine environment</li> <li>• Use a brush skimmer to recover oil spilled on water in the marine environment</li> <li>• Use a weir skimmer to recover oil spilled on water in the marine environment</li> <li>• Use a vacuum skimmer to recover oil spilled on water in the marine environment</li> <li>• Select optimum recovery option and equipments for recovery of oil spilled on water in the marine environment</li> </ul>	