

04 - Practical Seamanship

Competence (Skills)	Knowledge, Understanding and Proficiency	Level Required		Methods for Demonstrating Competence (Qualification Standard)	Criteria for Evaluating Competence (Performance Standard)
		Coxswain Captain	Crew		
Exhibit elements of basic seamanship		RQ	RQ	<ul style="list-style-type: none"> <li>• Describe Characteristics, construction, advantages and disadvantages of various types of rope</li> <li>• Describe the Factors that Affect the Strength of lines</li> <li>• Discuss the Handling and Stowage of Different Types of lines</li> <li>• Discuss Various Types of Deck Fittings and their use.</li> </ul>	
Lines	<ul style="list-style-type: none"> <li>• Care, handling and storage of lines</li> <li>• Inspection of lines</li> <li>• Line throwing, heaving lines</li> <li>• Docking/undocking - mooring lines, fenders</li> <li>• Knots/hitches/bends</li> <li>• Securing for adverse weather</li> </ul>	RQ	RQ	<ul style="list-style-type: none"> <li>• In accordance with standard operating procedures and the practice of good seamanship.</li> </ul>	<ul style="list-style-type: none"> <li>• Integrate aspects of line handling into CCGA activities</li> <li>• Demonstrate selected knots and hitches</li> <li>• Select the most suitable knot and/or hitch for specified aspects of CCGA activities (i.e. securing, towing, transferring lines)</li> </ul>

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Throwing a Line	<p>Each crewmember shall prepare and throw a heaving line using the following steps:</p> <ul style="list-style-type: none"> <li>• Coil it</li> <li>• Hold it</li> <li>• Aim it</li> <li>• Toss it!</li> <li>• Each crewmember shall attach a heaving line onto a larger line using a slip bowline.</li> </ul>			<ul style="list-style-type: none"> <li>• Each crewmember shall state at least two situations in which it would be necessary to throw a line or a heaving line.</li> <li>• Each crewmember shall describe a heaving line and its purpose.</li> </ul>	<ul style="list-style-type: none"> <li>• Given a hypothetical situation or a scenario in the skill demonstration each crewmember shall choose the appropriate line to throw and give an example of an inappropriate line to use. Each crewmember shall explain the proper use of a heaving line and when it should be used in a small boat setting.</li> </ul> <p>Elective or incidental:</p> <ul style="list-style-type: none"> <li>• Given a working line and for heaving line and a target, each crewmember shall prepare, secure and throw a heaving line in the predicted direction and have the line extend without tangle.</li> </ul>
Deck Safety with Lines under Load	<ul style="list-style-type: none"> <li>• Each crewmember shall demonstrate safe working practices when demonstrating skills such as anchoring and lowing.</li> <li>• Lines will be kept orderly and direct</li> </ul>	RQ	RQ	<p>Each crewmember shall know the following safety rules:</p> <ul style="list-style-type: none"> <li>• Do not stand in the bight</li> <li>• Do not stand under a load</li> </ul>	<p>Given exercises like anchoring, lowing and tying up, each crewmember will demonstrate that he possesses the knowledge.</p>

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	<p>communication will be used when working with tines under load.</p> <ul style="list-style-type: none"> <li>Each crewmember will demonstrate the ability to secure gear and equipment in lockers and on deck.</li> <li>Each crewmember will exercise caution when doing so.</li> </ul>			<ul style="list-style-type: none"> <li>Wear your safety gear</li> <li>Do not use gloves with rope</li> <li>towline</li> <li>Keep hands away when feeding a line out</li> <li>Prevent shock loading</li> <li>Stand aside from the direction of recoil of a towline under load</li> </ul>	
Knots and Lines	<p>Each crewmember shall tie the following knots:</p> <ul style="list-style-type: none"> <li>Bowline</li> <li>Round turn and two half hitches</li> <li>Stove hitch</li> <li>Reef knot</li> <li>Sheet bend</li> </ul> <p>Each crewmember shall use these knots in various applications. Each crewmember shall coil and stow lines.</p>	RQ	RQ	<p>Each crewmember shall identify the types of line found on the vessel and describe the strengths and weaknesses of each type.</p> <ul style="list-style-type: none"> <li>Polypropylene</li> <li>Nylon/Dacron (other)</li> <li>Natural Fibre</li> </ul> <p>Each crewmember shall describe proper line care and stowage.</p> <p>Each crewmember shall identify the signs of line damage or excessive wear.</p>	<p>Each crewmember shall know the types of lines and correct care and stowage of lines. Given a piece of line, the crewmember shall tie the following knots correctly at least once:</p> <ul style="list-style-type: none"> <li>Bowline</li> <li>Round turn and two half hitches</li> <li>Clove hitch</li> <li>Reef knot</li> <li>Sheet bend</li> </ul> <p>Each crewmember shall use these knots in effective applications. Each</p>

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					crewmember shall coil and stow lines.
Complete basic knots in fiber rope. Care for rope.	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>• use and care of types of rope, wire and chain found on board ship;</li> <li>• markings on lifting tackle.</li> </ul> <p>Ability to:</p> <ul style="list-style-type: none"> <li>• make basic knots and splice in fiber rope;</li> <li>• coil, flake rope wire or chain;</li> <li>• handle and secure ship with mooring lines;</li> <li>• take soundings;</li> <li>• coil and throw a heaving line.</li> </ul>	RQ	RQ		<ul style="list-style-type: none"> <li>• Duties related to mooring the vessel are completed safely and in accordance with the vessel procedures.</li> <li>• Safety equipment is worn/used in accordance with vessel procedures.</li> </ul>
Safely stow and secure cargo and equipment and secure vessel for sea.	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>• potential hazards and precautions to be observed when carrying dangerous cargoes;</li> <li>• Securing arrangements for deck cargoes.</li> </ul> <p>Ability to:</p> <ul style="list-style-type: none"> <li>• supervise cargo operations;</li> <li>• plan stowage of cargo on and below deck.</li> </ul>	RQ	RQ		
Anchoring	Each crewmember will participate in the	X	X	Each crewmember will identify the	Given a familiar CCGA Vessel in a

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	<p>successful anchoring of a vessel that involves the responsibility of one or more of the following roles:</p> <ul style="list-style-type: none"> <li>• Setting up the anchor</li> <li>• Dropping the anchor</li> <li>• Manoeuvring the vessel</li> <li>• Retrieving the anchor</li> <li>• Stowing the anchor</li> </ul>			<p>following parts of an anchor:</p> <ul style="list-style-type: none"> <li>• Shank</li> <li>• Fluke</li> <li>• Crown</li> <li>• Stock</li> </ul> <p>Each crewmember will define the term scope and its relevance to anchoring.</p>	<p>depth of water not greater than half the length of the anchor rope. Equipped with an anchor and appropriate ground tackle. Each crewmember will participate in successful anchoring exercise.</p>
Take charge of anchor party and operate windlass.	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>• communications procedures;</li> <li>• safety precautions; and standard anchoring procedures.</li> </ul> <p>Ability to:</p> <ul style="list-style-type: none"> <li>• operate anchor windlass; and raise, lower, and secure anchor.</li> </ul>	RQ	RQ	<ul style="list-style-type: none"> <li>• Describe basic anchoring terminology and theory</li> <li>• Evaluate the circumstances under which anchoring would be appropriate</li> <li>• Perform anchoring and weighing anchor operations</li> <li>• Describe the method for clearing a fouled anchor</li> </ul>	Anchor operations are completed in a safe manner, in accordance with vessels procedures.