

Qualification Unit

This unit forms part of a regulated qualification.

Unit Title: Vessel Ropework, Anchoring and Mooring Operations

Unit Reference Number: Y/615/0287

Level: Level Two (2)

Credit Value: Five (5)

Minimum Guided Learning Hours: 50

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Understand the importance of Ropework and the use of ropes and wires on board a vessel.	1.1 Describe the safe handling care and use of different ropes and wires: <ul style="list-style-type: none"> a) natural fibre rope b) man-made rope c) wire rope d) combination rope
	1.2 Produce the following knots, bends and hitches and identify a use for each: <ul style="list-style-type: none"> a) reef knot b) bowline c) sheet bend (double and single) d) rolling hitch e) round turn and two half hitches
	1.3 Explain the following procedures and identify a use for each: <ul style="list-style-type: none"> a) seizing b) whipping c) splicing wire and rope
	1.4 Demonstrate the safe use of a Bosun's Chair
	1.5 Describe the safe handling, use and care of: <ul style="list-style-type: none"> a) blocks b) tackles c) hooks d) shackles

	1.6 Describe the rigging of safety lines
2. Know how to use engineering tools and equipment for repair, maintenance and servicing of vessel hull and machinery	2.1 Describe anchoring functions: a) anchor parts b) windlass and associated equipment c) basic anchoring terminology
	2.2 Demonstrate safe anchoring procedures, including the use of personal protective equipment
	2.3 Describe emergency procedures, e.g. slipping the bitter end, hanging off an anchor
3. Know how to work in a safe manner when carrying out repair, maintenance and servicing activities	3.1 Describe mooring terminology and equipment
	3.2 Describe safe mooring procedures
	3.3 Describe alternative mooring arrangements: a) mooring to buoys b) single point moorings c) mooring alongside other vessels d) slip wires e) warping along a quay.
	3.4 Identify communication methods in common use