Qualification Unit

This unit forms part of a regulated qualification.

Unit Title: Chartwork and Tides

Unit Reference Number: F/651/5444

Level: Three (3)

Credit Value: Eight (8)

Minimum Guided Learning Hours: 80

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Be able to use Mercator charts	1.1 Plot positions on a chart
	1.2 Convert compass and true headings applying: • Variation • Deviation • Gyro error
	1.3 Convert compass and true bearings applying: • Variation • Deviation • Gyro error
	1.4 Establish Dead Reckoning position from measurement of: • Course • Log speed
	1.5 Establish EP from measurement of: • Course • Log speed • Tidal information • Leeway
2. Be able to make tidal calculations	2.1 Use Admiralty Tide Tables to perform tidal calculations
	2.2 Use tidal software to perform tidal calculations

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3.	Know how to maintain marine charts and publications	3.1	Summarise types of charts used in passage planning and navigation
		3.2	Summarise nautical publications to be carried on board
		3.3	Explain chart storage and handling procedures
		3.4	Explain procedures for ordering charts and publications
		3.5	Explain Admiralty Notices to Mariners
		3.6	Explain correction logs
		3.7	Explain use of the chart catalogue
4.	Understand Mercator charts	4.1	Explain properties of Mercator charts
		4.2	Interpret chart symbols
		4.3	Identify Water Track
		4.4	Identify Ground Track
5.	Know how to update the voyage plan	5.1	Explain the principles of passage planning
		5.2	Summarise regulations and guidelines on passage planning
		5.3	Explain implementation of adjustments to the plan
6.	Understand tides	6.1	Explain causes of tides
		6.2	Summarise definitions associated with tides

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