Qualification Unit

This unit forms part of a regulated qualification.

Unit Title: Direct Tug Operations

Unit Reference Number: J/652/4167

Level: Four (4)

Credit Value: Six (6)

Minimum Guided Learning Hours: 32

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Be able to direct preparations for towage operations	1.1 Plan towage operations appraising all available relevant information
	1.2 Coordinate the resources required to conduct the operation in accordance with recognised procedures including appropriate assessment of risk
	1.3 Inform appropriate stakeholders of agreed operational plans in accordance with recognised procedures
2. Be able to direct towage operations	2.1 Supervise implementation of the operational plan to ensure safe operations
	2.2 Direct the crew to ensure efficient operations
	2.3 Direct crew for safe connection and disconnection of the tow
	2.4 Maintain communication with assisted vessel in accordance with recognised procedures
	2.5 Ensure safe working practices are maintained throughout the operation
	2.6 Confirm equipment is used and shut down in accordance with company procedures during and on completion of the operation

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3.	Be able to direct communications on board	3.1	Ensure effective and efficient communications in accordance with company procedures
		3.2	Allocate tasks and responsibilities to crew
4.	Demonstrate knowledge of different tug operations	4.1	Explain how to provide towing services
		4.2	Explain how to operate combined tows
		4.3	Explain provision of fire fighting response
		4.4	Explain provision of pollution control measures
		4.5	Explain the principles and procedures for normal tug operations
5.	Be able to direct response to operational emergencies	5.1	Take charge of response procedures in the event of equipment failure to minimise risk
		5.2	Implement the plan for emergency operation within the towing system to minimise risk
6.	Demonstrate understanding of the unique construction of a tug and its equipment	6.1	Explain the characteristics of different tug designs
		6.2	Explain the characteristics of critical tug equipment
7.	Demonstrate understanding of operational limits of a tug and its equipment	7.1	Explain performance limits of tug and equipment
		7.2	Explain how equipment must be operated in accordance with manufacturers' instructions and guidelines
		7.3	Explain the effects of improper use and/or equipment failure
8.	Demonstrate application of relevant regulations in relation to towage operations	8.1	Oversee statutory, regulatory and company compliance in reference to all relevant laws and regulations, and with organisational procedures, including completing records as required

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