Open Awards Qualification Unit

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1 Unit Details

Unit Title:	The Operational and Regulatory Environment of the Maritime Sector
Unit Reference Number:	D/617/1464
Level:	3
Credit value:	6
GLH:	45

2 Learning Outcomes and Criteria

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Understand the operational environment of the maritime sector	1.1 Describe different port services, including: a) Pilots b) Tugs c) Linesmen d) Bunkering e) Chandlery f) Dry docking
	1.2 Describe the key features and businesses associated with a successful leisure port or marina
	1.3 Outline the roles of: a) Port and flag state surveyors b) Classification surveyors c) Small-craft surveyors
	1.4 Outline the industry requirements for insurance, including: a) Hull and machinery insurance b) Cargo insurance c) Third-party liability d) Protection and Indemnity clubs
	1.5 Outline the role of the MCA
	1.6 Analyse the role of the IMO, including the key conventions, and how it relates to Member Government Maritime Authorities,

		1.7	Outline key current regulations and codes of practice related to the maritime sector
2.	Know about health and safety and the environment in the maritime sector	2.1	Describe key legal responsibilities for employees and employers in maintaining a safe and healthy working environment
		2.2	Explain the role of the Maritime and Coastguard Agency in setting standards for safe operation of workboats
		2.3	Outline penalties for the breach of key health, safety and environmental regulations
		2.4	Analyse the importance of creating a safety culture
		2.5	Analyse the role of risk assessments in working in the maritime sector
3.	Know about emergencies and unplanned incidents	3.1	Outline possible types of emergency: a) On-board a vessel b) In a port environment
		3.2	Demonstrate combining severity and probability into a risk assessment
		3.3	Describe how to respond to accidents, unplanned incidents and near misses
		3.4	Outline how accidents should be reported and recorded, referencing: a) RIDDOR b) Principles of Marine Accident Reporting according to Maritime Guidance Notices
4.	Understand the importance of accurate record keeping	4.1	Outline what records need to be kept in relation to Health and Safety in the maritime sector
		4.2	Outline legal requirements relating to the maintenance of records
		4.3	Analyse the importance of maintaining accurate and complete records
5.	Know about environmental factors in the maritime sector	5.1	Analyse how resources be used efficiently to reduce environmental impact
		5.2	Describe the principles of the Responsible Fishing Scheme
		5.3	Give examples of the problems caused by invasive alien species and how they are brought into a marine environment
		5.4	Evaluate the different ways that the problem of alien species can be controlled

6. Know about vessel safety	6.1	Summarise the key requirements under GMDSS for equipment and qualified operation of equipment
	6.2	Describe the use of AIS and Voyage Data Recorders
	6.3	Justify how Vessel Traffic Systems, Traffic Separation Schemes and Precautionary Areas contribute to the safety of vessel movement
	6.4	Summarise how voluntary safety schemes and voluntary tracking apps can raise an alert in the event of vessel failing to safely arrive at the planned port.