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| MSQ Unit 42 | **QCF Ref: M/602/5764**  |
| Title: | **Contribute to an Engine Room Watch** |
| Level: | **2** |
| Credit value: | **6** |
| Learning outcomes - *The learner will:* | Assessment criteria - *The learner can:* |
| 1. Be able to accept an Engineering watch from a support colleague
 | * 1. Establish the current condition of the machinery
	2. Agree current machinery condition and accept the watch under those conditions
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| 1. Be able to hand over an engineering watch to a support colleague
 | * 1. Hand over a watch in accordance with internationally accepted principles and procedures
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| 1. Be able to support the confirmation of the condition of the machinery
 | * 1. Contribute to an Engineering watch in accordance with Internationally accepted principles and procedures by:-
* reading machinery log books and handover notes
* ensuring that the power plant responds to any Bridge request for change
* ensuring that all the machinery is operated safely and efficiently
	1. Obtain accurate readings and appropriate activity from machinery, equipment and system
	2. Record accurate readings and appropriate activity from machinery, equipment and system
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| 1. Be able to take accurate readings from machinery, equipment and systems
 | * 1. Acknowledge orders as given by the officer of the watch
	2. Carry out orders as given by the officer of the watch
	3. Take basic measures to ensure the protection of the environment
	4. Check that any automatic machinery is operating correctly including:
* generators
* air compressors
* boilers
	1. Check that all spare machinery items are correctly and safely stowed
	2. Record all the levels of the daily running tanks and services for the main propulsion plant
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| 1. Be able to report accurate readings from machinery, equipment and systems
 | * 1. Report on the basic measures to ensure the protection of the environment
	2. Report that any automatic machinery is operating correctly including:
* generators
* air compressors
* boilers
	1. Report that all spare machinery items are correctly and safely stowed
	2. Report on the levels of the daily running tanks and services for the main propulsion plant
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| 1. Be able to communicate with appropriate personnel
 | * 1. Communicate on board in accordance with operational requirements
	2. Seek advice from the Officer of the Watch when communications are not clearly understood
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| 1. Know what action to take in the event of a machinery or emergency alarm in the engine room
 | * 1. Explain the action to take in the event of a machinery alarm, including when and who to call for assistance
	2. Explain how to respond to the Fire Alarm and the gas flooding alarm
	3. Describe how to ensure the safety of any persons that might be in the machinery during an emergency situation
	4. Outline the escape procedure including naming all the relevant exit points
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| **Additional information about the unit** |  |
| Unit aim(s) | Covers competence of person in charge of an engineering watch on vessels of any power operating in the near coastal area (not more than 150 miles from a safe haven) |
| Unit expiry date |  |
| Details of the relationship between the unit and relevant national occupational standards (if appropriate) | MNTB NOS (Jan 2006) – C02 Contribute to an Engine Room Watch |
| Details of the relationship between the unit and other standards or curricula (if appropriate) | Maritime and Coastguard Agency Marine Guidance Notice regarding Certificates of Competency – Engine Department  |
| Assessment requirements specified by a sector or regulatory body (if appropriate) | MSA Assessment StrategyMCA requirements |
| Endorsement of the unit by a sector or other appropriate body (if required) | MCA…. |
| Location of the unit within the subject/sector classification system | Transportation |
| Name of the organisation submitting the unit | Scottish Qualifications Authority |
| Availability for delivery |  |
| Guided Learning Hours | 60 |