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| Overview | This standard covers the competence required to plan and direct vessel engineering operations including the specialist operations for which the vessel is purposely designed. It deals with organising and managing the crew and also covers monitoring and controlling compliance with legislative requirements and measures to ensure safety of life at sea and protection of the marine environment.  **Target Group**  This standard applies to individuals at the management level with responsibility for planning engineering operations on vessels of any type and of any registered power. |

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| **Performance criteria**  You must be able to: | 1. prepare a plan for operations in accordance with:   P1.1 instructions for the vessel  P1.2 established procedures  P1.3 legislative requirements  P1.4 good safety practice  P1.5 the most appropriate strategies, work methods and activities for the vessel operation   1. define the work sequence in accordance with the plan 2. record plans for reference to comply with statutory and organisational requirements 3. fully brief the team leaders on the plans and allocate duties 4. assess training needs based on current performance, draw up plan and implement planned training 5. ensure procedures for monitoring operations and maintenance comply with legislative requirements to ensure safety of life at sea and protection of the marine environment 6. monitor activities and confirm that operations are carried out in accordance with the plan 7. identify fully and promptly potential non-compliance and initiate appropriate action 8. report progress on operations in accordance with organisational requirements and negotiate with external agencies to ensure that the operations proceed safely and to schedule 9. confirm that the vessel is secure on completion of operations 10. ensure that records of operations are kept in accordance with legislative and organisational requirements |
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| Knowledge and understanding  You need to know and understand: | 1. the principles of operation and constructional detail of marine engineering systems, equipment and control systems 2. how to determine and specify safe and effective procedures and work methods 3. the delegation of responsibilities for operating the vessel's machinery and the level of supervision required by individuals 4. the statutory restrictions on the working hours of individuals 5. the use of internal communication systems and effective forms of communication 6. how to identify and assess the competence of individuals and their training needs 7. how to draw up and implement training plans 8. statutory and organisational reporting requirements 9. the importance and use of records for commercial and legislative purposes. 10. how to evaluate and apply Statutory Regulations and guidelines, organisational instructions and guidance and vessel contingency plans |

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