

NOS PSSSPO106 Support port marine operations

Unit PSSSPO106.2 Contribute to the provision and control of moorings (SQA Unit Code-H79R 04)

Performance Criteria

You must be able to

Contribute to the provision and control of moorings

1. plan mooring allocations with the relevant person(s), and take into account the available depth of water, any known obstructions on the seabed, the type, size and construction of vessels, and avoiding mixing of keel types within a mooring area
2. identify particular requirements and resources within the plan and confirm their availability
3. ensure that vessels allocated to moorings match the mooring requirements for the berth
4. ensure that plans make the optimum use of the port's amenities, infrastructure and equipment
5. ensure plans are accurate, complete and legible, and are provided in a format that can be used readily
6. ensure that all necessary mooring equipment is obtained, prepared and assembled
7. verify mooring locations, ensuring that moorings are deployed and at designated points which take into account tidal and wind conditions
8. check the validity and reliability of information
9. prioritise work to make the best use of time and resources

Knowledge and understanding

You need to know and understand

1. the legal responsibilities for maintaining own and others' health and safety in your workplace
2. the requirements placed upon the individual and the organisation by current legislation, directions and bye-laws related to port marine operations
3. current industry guidance, relating to port marine operations
4. own organisation's policies, procedures and working practices that relate to port marine operations
5. the principle types of hazard and risk associated with port marine operations
6. the precautions appropriate for minimising the risks associated with port marine operations
7. how to correctly wear, use and maintain personal protective equipment, relevant to port marine operations
8. how to locate, correctly use and maintain the principle types of safety and incident response equipment relevant to port marine operations
9. the accident and emergency procedures of the organisation and individual roles and responsibilities, relevant to port marine operations
10. location of and how to operate alarm systems
11. procedures for contacting the emergency services
12. location of the approved escape routes and assembly points

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13. own responsibilities for reporting accidents and emergencies
14. the limits of own responsibilities when involved in port marine operations
15. roles and responsibilities of others in own area of operations, relating to port marine operations
16. how to interpret organisational charts/plans and schedules for planned work
17. how to use tidal stream atlases, tide tables, Nautical Almanacs and pilot/sailing directions
18. how different types of adverse weather can impact upon craft movements within port areas
19. how to operate equipment safely according to own organisation procedures, within own area of operations
20. the roles and responsibilities of those involved in facilitating vessel movement and their lines of communication to people, within own area of operations
21. the importance of reporting promptly any defects in the equipment, and the procedures for doing this
22. how to read and understand tidal and chart information and schedules for planned work
23. assembly and fixing methods for moorings, and the limitations of specific types of mooring
24. the implications of adverse weather and tidal conditions on the depth of available water, moorings, including requirements for additional moorings and the movement and handling of vessels, within own port area
25. the organisation's operating limits for each berth, and their implications when planning mooring allocations
26. hand signals for heave, slack, stop and secure
27. the methods for safe handling of mooring ropes, including how to dip ropes and to heave lines
28. the dimensions, limitations and maintenance requirements of docks and approach channels, within own area of operations
29. how to obtain accurate information about a vessel and relate this to berthing availability within own area of operations
30. the role and responsibilities of those involved in facilitating vessel movement and their lines of communication to people, relevant to own area of operations

Additional Information

This standard is applicable to contributing to the provision and control of moorings controlling and links to navigating port craft, coordinating and controlling vessel berthing operations and assisting the planning of vessel movements within a port area.

The performance criteria, knowledge and understanding requirements are related to the individual's own organisation, job role and area of operations. This includes but is not limited to the individual's immediate place of work. It extends to areas, operations and persons that may be impacted upon by the individual's activity in the workplace.

The performance criteria, knowledge and understanding requirements are specific to the: regulations, industry and other guidance recognised by the individual's employer, employing

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organisation's objectives, policies, procedures, and working practices; that relate to the elements covered in this standard.

The performance criteria, knowledge and understanding requirements are specific to the individual's own level of authority and responsibility.

Ports and the activities which take place there vary. Employers and any other duty holders must comply with the legal duties imposed on them by health and safety legislation, including the Health and Safety at Work Act 1974. This will also involve careful and continuing risk assessments to enable duty holders to plan, implement, manage and review policies and procedures which address the risks associated with the conduct of their business. The statutory duty of the employee to take reasonable care for the health and safety of themselves and other persons who may be affected by their acts or omissions at work and to cooperate with the employer with regard to the employer's health and safety duties, are an essential part of this standard.