

NOS PSSSPO106 Support port marine operations

Unit PSSSPO106.3 Coordinate and control vessel berthing operations (SQA Unit Code-H79S 04)

Performance Criteria

You must be able to

Coordinate and control vessel berthing operations

1. identify the vessel's intended berthing position, and confirm that the designated berth is available
2. check and confirm that that berth is safe and ready for use, identifying and addressing any remedial actions required
3. obtain all relevant information regarding the vessel to prepare for berthing, including its size, any particular requirements, the number, length and size of mooring lines and whether mooring boats or other equipment is required
4. determine the staffing and resource requirements necessary to berth the vessel, identifying the actions to be undertaken
5. agree berthing arrangements with all of those involved ahead of the operations
6. take relevant actions promptly to ensure that health, safety, security and environmental requirements are met
7. wear, use and maintain correctly, personal protective equipment, relevant to own area of operations
8. ensure that berthing materials and equipment are used safely, with vessels berthed in line with correct procedures
9. monitor the activities of individuals and/or teams against the standards of performance expected, and provide prompt and constructive feedback
10. recognise the successful completion of key activities and operations by individuals and/or teams
11. ensure that the quayside is left clean, tidy and free of obstructions upon completion of the berthing
12. address any difficulties or incidents, reporting these, as required

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

NOS PSSSPO106 Support port marine operations

Unit PSSSPO106.3 Coordinate and control vessel berthing operations (SQA Unit Code-H79S 04)

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
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 organisation's requirements relating to recording the movements of craft within the port
22. the effect of a craft's speed in relation to its impact upon other vessels, property and persons
23. the importance of reporting promptly any defects in the equipment, and the procedures for doing this
24. the local port geography and water conditions and their impact upon port marine activity navigating craft within own port (including: navigable channels and tides)
25. the types, functions and adjustments of communications equipment, and regulations governing radio transmission in both normal and emergency situations, and
26. the conditions likely to affect the transmission and reception of signals, relevant to own area of operations
27. how to read and understand tidal and chart information and schedules for planned work
28. assembly and fixing methods for moorings, and the limitations of specific types of mooring
29. the handling characteristics of craft relevant to own area of operations
30. 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
31. the organisation's operating limits for each berth, and their implications when planning mooring allocations
32. the importance of applying speed limits relating to berthing operations of larger vessels
33. the correct words and phrases used in describing vessels and their movements within a port area
34. hand signals for heave, slack, stop and secure

NOS PSSSPO106 Support port marine operations

Unit PSSSPO106.3 Coordinate and control vessel berthing operations (SQA Unit Code-H79S 04)

35. the methods for safe handling of mooring ropes, including how to dip ropes and to heave lines
36. the impact that motion and tidal range have upon berthing vessels, and where these apply within own area of operations
37. the dimensions, limitations and maintenance requirements of docks and approach channels, within own area of operations
38. how to obtain accurate information about a vessel and relate this to berthing availability within own area of operations
39. the local marine environment, including the port area
40. how to record messages (both transmitted and received) and the format to use, relevant to own area of operations
41. the role and responsibilities of those involved in facilitating vessel movement and their lines of communication to people, relevant to own area of operations
42. the local marine environment, including the port area relevant to own area of operations
43. the different types of assistance available to vessels mooring within the port area

Additional Information

This standard is applicable to coordinating and controlling vessel berthing operations and links to controlling and navigating port craft, contributing to the provision and control of moorings 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 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.