

## **NOS PSSSPO106 Support port marine operations**

### **Unit PSSSPO106.5 Assist the planning vessel movements within the port area (SQA Unit Code-H7A2 04)**

#### **Performance Criteria**

##### **You must be able to**

##### **Assist the planning vessel movements within the port area**

1. identify the information necessary to planning a vessel's movements and obtain it from the appropriate sources, including navigation charts, tide gauge and tables, radar and weather instruments
2. obtain all relevant details regarding the vessels, including their size and dimensions, draught, loading and unloading requirements, and the nature of any loads
3. identify occasions where vessels are carrying dangerous goods, and take the relevant actions accordingly
4. identify appropriate routes and berthing positions for vessels, taking into account their size and dimensions, any requirements relating to their loads, and other traffic in the port
5. notify the relevant person(s) promptly of any special requirements relating to the movements of a vessel
6. ensure that contributions to incident planning are correct, clear and prompt, with any recommendations being supported with a relevant rationale
7. maintain all required records, ensuring that these are accurate, clear and complete
8. make effective use of existing sources of information
9. check the validity and reliability of information

#### **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

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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. the different types of course, including: true, magnetic, compass and gyro
18. how to use electronic navigation aids, as well as relevant non-electronic aids, and the limitations of navigation equipment
19. the use of buoyage systems and navigation lights
20. how to obtain and interpret weather information
21. how different types of adverse weather can impact upon craft movements within port areas
22. how to calculate tidal heights and ranges, and the local impact of tidal streams upon craft movements
23. how to operate equipment safely according to own organisation procedures, within own area of operations
24. the roles and responsibilities of those involved in facilitating vessel movement and their lines of communication to people, within own area of operations
25. the organisation's requirements relating to recording the movements of craft within the port
26. the effect of a craft's speed in relation to its impact upon other vessels, property and persons
27. the importance of reporting promptly any defects in the equipment, and the procedures for doing this
28. the local port geography and water conditions and their impact upon port marine activity navigating craft within own port (including: navigable channels and tides)
29. the types, functions and adjustments of communications equipment, and regulations governing radio transmission in both normal and emergency situations, and
30. the conditions likely to affect the transmission and reception of signals, relevant to own area of operations
31. 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
32. the organisation's operating limits for each berth, and their implications when planning mooring allocations
33. the importance of applying speed limits relating to berthing operations of larger vessels
34. the correct words and phrases used in describing vessels and their movements within a port area
35. the impact that motion and tidal range have upon berthing vessels, and where these apply within own area of operations
36. the dimensions, limitations and maintenance requirements of docks and approach channels, within own area of operations

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37. how to obtain accurate information about a vessel and relate this to berthing availability within own area of operations
38. the basic principles of vessel navigation, movement and manoeuvring
39. the local marine environment, including the port area
40. the different types of assistance available to vessels mooring within the port area

#### **Additional Information**

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

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.