

Unit PSSPO107.2 Operate bridges(SQA Unit Code H78E 04)

Performance Criteria

You must be able to

Operate bridges

1. prevent all pedestrians and traffic from using the bridge ahead of allowing a vessel through
2. ensure that the bridge is clear of all pedestrians, traffic and any obstructions before commencing movement of the bridge
3. ensure that the quay area at the sides of the bridge, and the water area under the bridge, are clear of obstructions and **hazards** before a vessel passes through
4. confirm that bridge operating equipment is working properly before a vessel is accepted to pass through
5. establish and maintain clear and constant contact with the relevant person on the vessel ahead of and during its passage through the water crossed by the bridge
6. provide clear instructions to vessels approaching and passing through as to how to proceed and where they must go, confirming that these instructions are understood
7. move the bridge fully and ensure vessels have clear access before instructing vessels to proceed
8. identify and report immediately any **risk** to a vessel's safe movement through the water crossed by the bridge
9. operate all equipment safely and carefully, minimising the likelihood of damage to equipment and vessels
10. return the bridge fully to its normal position and ensure that it is secured before allowing pedestrians and traffic to cross
11. report any damage to vessels, bridge or other equipment
12. refer any difficulties during bridge operations to the relevant person

Knowledge and understanding

You need to know and understand

1. the legal responsibilities for maintaining own and others' health and safety in the workplace
2. the requirements placed upon the individual and the organisation by current legislation, relevant to operating bridges, in own area of operations
3. current industry guidance relevant to operating bridges, in own area of operations
4. own organisation's policies and procedures and working practices operating bridges in own area of operations
5. the operating capabilities and limitations of the operating bridges, in own area of operations
6. the principal terminology and mechanical principles associated with the operation of bridges in ports

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7. the principal methods for communicating with vessels
8. the impact of the motion of vessels and tidal range upon bridge operations in ports
9. the organisational requirements for addressing and reporting difficulties, or equipment faults, associated with bridge operations
10. the workplace procedures for dealing with incidents and emergency situations associated with operating bridges and the passage of vessels through them
11. the local geography and water conditions, including navigable channels and tides, and their impact upon the passage of vessels through bridges

Glossary

1. **Hazard:** something with potential to cause harm
2. **Risk:** a risk is the likelihood of the hazard's potential being realised