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### Overview

This standard covers the operation of water-borne plant. It applies to the use of water-borne plant for maintenance activities within the water environment.

You must carry out this work in a way which minimises the impact on the natural environment and enhances its nature, conservation and recreational value.

The standard is relevant to river, coastal and waterways workers who are using water-borne plant.

## Performance criteria

### You must be able to:

#### Prepare water-borne plant for use

- P1 assess the risks associated with the site and proposed works
- P2 select the appropriate water-borne plant in accordance with work requirements
- P3 confirm that the water-borne plant is stable, securely moored and ready for use
- P4 ensure that faults are accurately identified, rectified and recorded, or referred to the appropriate person
- P5 use the appropriate warning signals prior to starting operations
- P6 maintain environmental and health and safety legislation and codes of practice during your work
- P7 recognise circumstances which affect operations and take the appropriate action
- P8 keep accurate and up-to-date records as required by relevant legislation and the organisation

#### Operate water-borne plant

### You must be able to:

- P9 conduct all movements of the water-borne plant safely and in accordance with organisational requirements
- P10 maintain the stability of the water-borne plant correctly
- P11 modify operations appropriately to take into account weather, relevant water conditions, other water users and wildlife habitats
- P12 carry out activities safely and in accordance with organisation requirements
- P13 optimise the consumption of fuel and lubricants through the appropriate handling and use of the water-borne plant
- P14 ensure when you have finished using the water-borne plant it is left in a safe, secure and suitable condition for subsequent use

## Knowledge and understanding

You need to know and understand:

### Prepare water-borne plant for use

- K1 how to interpret risk assessment
- K2 the types of water-borne plant and their use
- K3 the instructions for using a water-borne plant for carrying out the planned work activity
- K4 manufacturers' specifications for the preparation and use of the water-borne plant
- K5 how to moor the water-borne plant in relation to the planned work activity
- K6 the faults which may occur and how these may be rectified
- K7 the circumstances which may impact on the activity such as safety hazards, health concerns, plant breakdowns, wildlife habitats and the recreational use of the water environment
- K8 appropriate action to take in response to changes in circumstances including reporting the circumstances and resolving the situation
- K9 the limits of responsibility in relation to unforeseen circumstances which may be encountered
- K10 how and why to use warning signals during operation of the water-borne plant
- K11 appropriate records to be kept and their significance
- K12 the implications for your work with regards to relevant legislation and organisational requirements
- K13 the importance of complying with environmental and health and safety legislation, risk assessment requirements and company policies
- K14 how to maintain environmental good practice
- K15 appropriate use of personal and protective equipment

### Operate water-borne plant

You need to know and understand:

- K16 how to maintain the stability of the water-borne plant
- K17 the ways in which operations must be modified to take into account weather, relevant water conditions, other water users and wildlife habitats
- K18 how to deal with the following hazards: overhead and underground services, changes in water flow, other water users and failed moorings
- K19 the efficient use of the water-borne plant
- K20 the conditions in which the water-borne plant should be left after use

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### Scope/range

Water-borne plant:

- 1 barge-mounted
- 2 platform-mounted

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### Glossary

Ready for use:

- routine maintenance
- safety checks
- refuelling and lubrication

Warning signals:

- sounds
- lights

Activities:

- dredging
- lifting
- removal of obstructions
- transporting materials

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Developed by	Lantra
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Relevant occupations	Estate Worker
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Suite	Environmental Conservation
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