

## Prepare for the pre-arrival of a ship in jetty operations

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### Overview

This standard covers the competences you need to prepare for the pre-arrival of a ship contribute to emergency in jetty operations in accordance with approved procedures and practices.

You will be required to demonstrate that you can:

- 1 Obtain pre-arrival information from ship
- 2 Ensure availability of equipment, services and personnel for berthing and un-berthing operations

During this work you must take account of the relevant operational requirements and safe working practices AS THEY APPLY TO YOU.

The activity is likely to be undertaken by someone in petro-chemical work setting, including individuals working in refineries, chemical plants and tank storage.

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## Performance criteria

*You must be able to:*

- P1 establish estimated arrival and departure times of incoming ship
- P2 ensure that incoming ship is aware of the site's preferred method of berthing
- P3 use the correct method of communication to obtain all relevant information
- P4 gather all of the relevant information concerning the incoming ship
- P5 check that the information is correct
- P6 record the information using the appropriate documentation
- P7 deal promptly and effectively with problems that are your responsibility, and report those that you cannot solve and or are not your responsibility to the relevant person
- P8 communicate all relevant information to the appropriate people
- P9 work safely in accordance with operational and environmental requirements
- P10 identify the equipment, services and personnel that will be required for berthing, un-berthing operations
- P11 check that the equipment, services and personnel will be available for berthing, un-berthing operations
- P12 inspect equipment according to standard operating procedures

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## Knowledge and understanding

*You need to know and understand:*

- K1 why it is important to gather accurate information
- K2 the relevant information to gather
- K3 the different types of ships that may use the terminal
- K4 why it is important to verify that the pilot will be available for inward or outward passage
- K5 the consequences of using incorrect or incomplete information
- K6 the terminal's criteria concerning times, tides and weather conditions
- K7 the different types of ships that may use the terminal
- K8 how to liaise with the pilot both within and outside of normal operating times
- K9 risks and hazards associated with using incorrect information
- K10 how to identify berthing or un-berthing requirements
- K11 how to check availability of equipment, services and relevant others
- K12 the inspection methods to use according to standard operating procedure
- K13 how to inspect equipment prior to berthing and un-berthing operations
- K14 why it is important to obtain the correct information

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### Scope/range

1 Gather all relevant information to include:

- 1.1 deadweight and displacement
- 1.2 length overall
- 1.3 air draft and beam
- 1.4 distance between bow and centre manifolds
- 1.5 present draught, maximum draught
- 1.6 manifold heights above waterline throughout operation

2 Liaise with incoming pilot concerning the Terminal's criteria on all of the following:

- 2.1 times
- 2.2 tides
- 2.3 currents
- 2.4 weather conditions
- 2.5 preferred berthing method
- 2.6 manifold heights above waterline throughout operation

3 Liaise with pilot age authority both within and outside normal pilot operating times

4 Identify berthing and un-berthing requirements to include all of the following:

- 4.1 tugs
- 4.2 mooring boats
- 4.3 manpower
- 4.4 mooring equipment
- 4.5 services/power

5 Inspect, according to procedures, all of the following berthing and un-berthing equipment:

- 5.1 dolphins
- 5.2 winches
- 5.3 capstans
- 5.4 mooring hooks
- 5.5 shore mooring lines

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