Contribute to the mooring of vessels in jetty operations

Overview

This standard covers the competences you need to contribute to the mooring of vessels in jetty operations in accordance with approved procedures and practices.

You will be required to demonstrate that you can:
1 Ensure integrity of mooring system
2 Ensure that safe ship/shore access is maintained
3 Implement ship/shore safety checklist

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 inspect mooring equipment at prescribed intervals

P2 check that mooring tensions are safe and appropriate

P3 take appropriate action if equipment and or tensions appear not be safe and appropriate

P4 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

P5 communicate all relevant information to the appropriate people

P6 work safely in accordance with operational and environmental requirements

P7 test the ship/shore access to prescribed procedures

P8 take the appropriate action if the ship to shore access is unsafe

P9 ensure that the space on berth is adequate for the ship's gangway

P10 when required, deploy the gangway according to prescribed procedures

P11 follow relevant security procedures

P12 ensure that ship to shore access is adequately tended and free to move

P13 ensure that all necessary equipment is available

P14 ensure that ship to shore access is free of obstructions and suitable for use

P15 check tidal range whilst ship is at berth, and take the appropriate action

P16 determine if environmental conditions are safe to operate in

P17 test the ship to shore communications systems are operational

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Knowledge and understanding

You need to know and understand:

K1 how to carry out inspections of mooring equipment
K2 how to check the physical appearance of mooring equipment
K3 the prescribed intervals for inspection
K4 how to identify when mooring tensions are safe and appropriate
K5 how external factors can affect mooring
K6 the action to take if mooring equipment and or tensions are outside appropriate
K7 how to test the ship to shore access according to prescribed procedures
K8 the appropriate action to take if the ship to shore access is unsafe
K9 how to ensure that there is adequate space for the ship to shore access
K10 how to safely deploy the ship to shore access
K11 how external factors affect ship to shore access
K12 the safe working loads of lifting gear
K13 how to connect and disconnect the ship to shore access
K14 the relevant security procedures and how to follow them
K15 how to ensure that the ship to shore access is adequately tended and free to move
K16 why it is important to keep the ship to shore access unobstructed and well lit
K17 what equipment needs to be available
K18 how to check that the ship has been inspected according to prescribed safety checklist
K19 how to check that the shore and terminal has been inspected according to prescribed safety checklist
K20 how to ensure that hazards are minimised
K21 the methods to be used to confirm that the prescribed inspections have been completed
K22 what documentation and notices need to be provided to the ship
K23 how to obtain the relevant documentation and notices
K24 how to ensure that the ship receives the relevant documentation and notices
K25 how to ensure that inspections take place at prescribed intervals
K26 why it is important for inspections to take place at prescribed intervals
K27 why it is important to record all information accurately
K28 why it is important to monitor environmental conditions

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Scope/range

1 Inspect and check mooring equipment, taking into account all of the following factors:
1.1. brake holding power and tensioning levels
1.2. external factors (such as tide, weather, waves, passing vessels)
1.3. operating ranges and tolerances of mooring equipment
1.4. physical appearance of mooring equipment

2 Inspect and assess the condition of the mooring equipment and tensions according to prescribed intervals

3 Test the shore gangway according to prescribed procedures to ensure that gangways are:
3.1 clean and free from contamination
3.2 free from defects
3.3 unobstructed
3.4 well illuminated
3.5 safely rigged with nets and other safety equipment as required

4 Deploy the shore gangway according to prescribed procedures, taking account of all of the following:
4.1 safe working loads of lifting gear
4.2 safe procedure for connection of gangway
4.3 safe procedure for disconnection of gangway

5 Monitor the shore and vessel gangway according to prescribed procedures, and ensure that all of the necessary equipment is available to include:
5.1 nets and bulwark ladders
5.2 lifebuoy with light and line
5.3 check and confirm that the vessel and shore and terminal has been inspected according to the prescribed checklist

The prescribed checklist will include relevant sections from all of the following:
1 ISGOTT Ship Shore Safety Checklist
2 IMO Conventions
3 National, local legislation and guidelines
4 Terminal requirements

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