

Installing marine seating and furniture

Overview

This standard identifies the competences you need to install marine seating and furniture, in accordance with approved procedures. You will be required to select the appropriate tools and equipment to use, based on the operations to be performed and components to be installed. The seating and furniture to be installed will include items such as workstation furniture, cabin furniture, bunks or beds, standard furniture, public area furniture, passenger seats and VIP furniture.

This standard does not involve maintenance/repair type activities, such as removal and replacement of existing equipment.

The installation activities will include making all necessary checks and adjustments to ensure that components are correctly positioned and aligned, have appropriate working clearances, their cosmetic appearance is acceptable and that they function as per the specification.

Your responsibilities will require you to comply with organisational policy and procedures for the installation of the marine seating and furniture and to report any problems with the installation activities, materials or equipment used, that you cannot personally resolve, or are outside your permitted authority, to the relevant people. You will be expected to ensure that all tools, equipment and materials used in the installation are removed from the work area on completion of the activities and you will need to complete all necessary job/task documentation accurately and legibly. You will be expected to work with a minimum of supervision and to take personal responsibility for your own actions and for the quality and accuracy of the work that you carry out.

Your underpinning knowledge will provide a good understanding of your work and will provide an informed approach to applying installation techniques and procedures for marine seating and furniture. You will understand the equipment being installed and its application and will know about the relevant components, fastening and securing devices, in adequate depth to provide a sound basis for carrying out the activities, correcting faults and ensuring the installation is to the required specification.

You will understand the safety precautions required when carrying out the installation operations. You will be required to demonstrate safe working practices throughout and will understand the responsibility you owe to yourself and others in the workplace.

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Performance criteria

You must be able to:

1. work safely at all times, complying with health and safety and other relevant regulations, directives and guidelines
2. follow all relevant drawings and specifications for the installation being carried out
3. use the correct tools and equipment for the installation operations and check that they are in a safe and usable condition
4. install, position and secure the equipment and components in accordance with the specification
5. ensure that all necessary connections to the equipment are complete
6. deal promptly and effectively with problems within your control and report those that cannot be solved
7. check that the installation is complete and that all components are free from damage
8. complete relevant documentation in line with organisational procedures

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Knowledge and understanding

You need to know and understand:

1. the specific safety practices and procedures that you need to observe when working with marine seating and furniture (including any specific legislation, regulations/codes of practice for the activities, equipment or materials)
2. the health and safety requirements of the work area in which you are carrying out the activities and the responsibility these requirements place on you
3. how to recognise and deal with emergencies and the procedures to be followed (such as methods of safely evacuating and closing down of compartments in the case of fire or other major incident, first aid, fire fighting and resuscitation of personnel)
4. the hazards associated with installing marine seating and furniture and with the tools and equipment used and how they can be minimised
5. the protective equipment that you need to use for both personal protection (PPE) and protection of the structure, vessel or craft
6. the interpretation of drawings, standards, quality control procedures and specifications used for the installation (including BS and ISO schematics, symbols and terminology)
7. how to carry out currency/issue checks of the specifications you are working with
8. the components to be installed and their function within the particular marine seating or furniture system
9. the various fasteners that will be used and their method of installation (including threaded fasteners and special securing devices)
10. the importance of using the specified fasteners for the particular installation and why you must not substitute others
11. the quality control procedures to be followed during the installation operations
12. procedures for ensuring that you have the correct tools, equipment, components and fasteners for the activities
13. the techniques used to position, align, adjust and secure the components to the vessel without damage
14. methods of lifting, handling and supporting the seats or furniture during the installation activities
15. why electrical bonding is critical and why it must be both mechanically and electrically secure
16. how to conduct any necessary checks to ensure the system integrity, functionality, accuracy and quality of the installation
17. how to recognise installation defects (such as cosmetic appearance, misalignment, ineffective fasteners, damage or contamination)

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18. the importance of ensuring that the completed installation is free from dirt, swarf and damage
19. the tools and equipment used in the installation activities and their calibration/care and control procedures
20. the problems that can occur with the installation operations and how these can be overcome
21. the recording documentation to be completed for the activities undertaken and where appropriate, the importance of marking and identifying specific pieces of work in relation to the documentation
22. the extent of your own responsibility and whom you should report to if you have problems that you cannot resolve

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Scope/range related to performance criteria

1. Carry out all of the following during the installation of the marine seating and furniture:
 1. obtain and use the correct job instructions, installation drawings and other relevant documentation
 2. use copies of relevant COSHH sheets and risk assessment procedures
 3. return all tools and equipment to the correct location on completion of the activities
 4. leave the work area in a safe condition and to the prescribed category of cleanliness
2. Install five of the following items of equipment:
 1. workstation/office furniture
 2. standard furniture
 3. VIP furniture
 4. cabin furniture
 5. passenger seats
 6. communal/public area furniture
 7. bunks/beds
 8. other specific furniture
3. Apply all of the following installation methods and techniques:
 1. positioning and aligning
 2. set working clearances
 3. manual handling
 4. functional checks
4. Make four of the following types of fastening or connection:
 1. threaded fasteners
 2. locking devices
 3. torque load bolts
 4. electrical connection
 5. screws
 6. quick-release fasteners
5. Carry out all of the following quality and accuracy checks during the installation:
 1. cosmetic appearance
 2. accuracy of installation/furnishing lines

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3. freedom from damage
6. Produce installations which comply with one of the following standards:
 1. BS or ISO standards and procedures
 2. company standards and procedures
 3. specific system requirements
 4. customer (contractual) standards and requirements
 5. recognised compliance agency/body's standards
 6. other accepted international standards
7. Complete the relevant documentation in line with organisational procedures, to include one from the following and pass to the appropriate people:
 1. installation records
 2. job cards
 3. quality/acceptance documentation
 4. work authorisation documents
 5. system log
 6. other specific recording method

Behaviours

Behaviours:

You will be able to apply the appropriate behaviours required in the workplace to meet the job profile and overall company objectives, such as:

- strong work ethic
- positive attitude
- team player
- dependability
- responsibility
- honesty
- integrity
- motivation
- commitment

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