

Fitting marine seating and furniture

Overview

This standard identifies the competences you need to fit 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 fitted. The seating and furniture to be fitted will include items such as workstation furniture, cabin furniture, bunks or beds, unit furniture, public area furniture, passenger seats and VIP furniture.

The fitting 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 fitting 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 must ensure that all tools, equipment and materials used in the activities are removed from the work area on completion of the activities, and that all necessary job/task documentation is completed accurately and legibly. You will be expected to work with either a high level of supervision or as a member of a team. You will take personal responsibility for your own actions and for the quality and accuracy of the work that you carry out. Where team working is involved, you must demonstrate a significant personal contribution during the team activities in order to satisfy the requirements of the standard and competence in all the areas required by the standard must be demonstrated.

Your underpinning knowledge will provide a sound basis for your work, and will provide an informed approach to applying fitting techniques and procedures for marine seating and furniture. You will have an understanding of the equipment being fitted 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/reporting faults and ensuring that the equipment fitted is to the required specification.

You will understand the safety precautions required when carrying out the fitting 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.

Fitting marine seating and furniture

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 seating and furniture in accordance with the specification
5. ensure that all necessary connections to the seating and furniture 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 paperwork, in accordance with organisational requirements

Fitting marine seating and furniture

Knowledge and understanding

You need to know and understand:

1. the specific safety practices and procedures that you need to observe when fitting 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. the hazards associated with fitting marine seating and furniture and with the tools and equipment used and how they can be minimised
4. how to recognise and deal with emergencies and the procedures to be followed (such as methods of safely evacuating and closing down compartments in the case of fire or other major incident)
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 fitting activities
7. how to carry out currency/issue checks of the specifications you are working with
8. the components to be fitted 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 components and why you must not substitute others
11. the quality control procedures to be followed during the fitting 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 fitting 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 fitting defects (such as cosmetic appearance, misalignment, ineffective fasteners, damage or contamination)
18. the importance of ensuring that the completed installation is free from dirt, swarf and damage
19. the tools and equipment used in the fitting activities and their calibration/care and control procedures
20. why tool/equipment control is critical and what to do if a tool or piece

Fitting marine seating and furniture

- of equipment is unaccounted for on completion of the activities
- 21. the problems that can occur with the fitting operations and how these can be overcome
- 22. the recording documentation to be completed for the activities undertaken
- 23. the extent of your own responsibility and whom you should report to if you have problems that you cannot resolve

Fitting marine seating and furniture

Scope/range related to performance criteria

1. Carry out all of the following during the fitting 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 two of the following items of equipment:
 1. workstation/office furniture
 2. unit 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. setting working clearances
 3. manual handling
 4. functional checks
4. Make three of the following types of connection:
 1. threaded devices
 2. locking devices
 3. torque load bolts
 4. electrical
 5. screws
 6. quick-release fasteners
 7. other specific connector
5. Carry out all of the following quality and accuracy checks during the installation:
 1. cosmetic appearance

Fitting marine seating and furniture

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

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

Fitting marine seating and furniture

Developed by	Enginuity
Version Number	2
Date Approved	28 Feb 2018
Indicative Review Date	01 Feb 2021
Validity	Current
Status	Original
Originating Organisation	Semta
Original URN	SEMME2054
Relevant Occupations	Engineering, Engineering and Manufacturing Technologies
Suite	Marine Engineering Suite 2
Keywords	Engineering; marine; fitting; seating; bunks; furniture; office; cabin; passenger