



Australian Government

MARB040 Maintain control and safety systems of hotel equipment

Release: 1

MARB040 Maintain control and safety systems of hotel equipment

Modification History

Release 1. This is the first release of this unit of competency in the MAR Maritime Training Package.

Application

This unit involves the skills and knowledge required to maintain and repair control and safety systems of ship hotel equipment.

It includes knowledge of construction and function of various hotel equipment useful for its maintenance and repair:

- alarm and safety systems, including fire detection and control systems, hospital call system and cold rooms trap alarm
- elevators
- galley equipment
- hotel lighting systems
- laundry equipment.

This unit applies to people working in the maritime industry in the capacity of:

- Electro-Technical Officer (STCW Electro-Technical Officer Unlimited)
- Engineer Class 1 (STCW Chief Engineer Unlimited)
- Engineer Class 2 (STCW Second Engineer Unlimited).

Licensing/Regulatory Information

Legislative and regulatory requirements are applicable to this unit.

- This unit is one of the requirements to obtain Australian Maritime Safety Authority (AMSA) certification as an Electro-Technical Officer (STCW Electro-Technical Officer Unlimited), Engineer Class 1 (STCW Chief Engineer Unlimited) or Engineer Class 2 (STCW Second Engineer Unlimited) and to meet regulatory requirements this unit must be delivered consistent with Marine Orders and with the relevant sections of the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW).
- Those regulatory requirements include STCW International Maritime Organization (IMO) model course competencies and areas of knowledge, understanding and proficiency, together with the estimated total hours required for lectures and practical exercises. Teaching staff should note that timings are suggestions only and should be adapted to suit individual groups of trainees depending on their experience, ability, equipment and staff available for training.

Pre-requisite Unit

Not applicable.

Competency Field

B – Equipment Checking and Maintenance

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1. Maintain control and safety systems of hotel equipment

2. Rectify control and safety systems of hotel equipment

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

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|------------|---|
| 1.1 | Hotel equipment control and safety systems are identified, visually inspected and tested in accordance with shipboard procedures |
| 1.2 | Ship hotel equipment technical drawings are obtained and interpreted |
| 1.3 | Measuring and calibrating instruments are used in accordance with manufacturer specifications |
| 1.4 | Hotel equipment malfunctions detected during equipment maintenance are documented in service records and effect on associated plant and safety systems specified accurately |
| 1.5 | Equipment rectification plans are justified in service/maintenance records |
| 2.1 | Hotel equipment and associated plant and safety systems are isolated and electrical hazards identified in accordance with safe electrical working practices |
| 2.2 | Working in flammable areas hazards are identified, risks assessed and control measures implemented in |

accordance with shipboard procedures

2.3 Hotel equipment along with associated plant and safety system faults are rectified by competent person in accordance with shipboard procedures and legislative requirements

2.4 Plant, equipment, control and safety systems are dismantled and re-assembled in accordance with manufacturer safety guidelines and shipboard instructions

2.5 Hotel equipment control and safety systems restoration actions are undertaken by the method most suitable and appropriate to the prevailing circumstances and conditions

2.6 Work area is made safe and all equipment and plant returned to service in accordance with shipboard procedures and legislative requirements

2.7 Work area is cleared and cleaned

- 3. Complete documentation**
- 3.1** Work area is made safe in accordance with safe working practices
- 3.2** Hotel equipment maintenance records are completed in accordance with shipboard procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This is a new unit. No equivalent unit.

Links

Companion Volume implementation guide can be found in VetNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2>