

SECTION 1 – Safe use of electrical equipment

| <i>Action or Task (STCW Code Table AIII/7)</i> | <i>Considered proficient by (Name)</i> | <i>Rank</i> | <i>Signature</i> | <i>Date</i> |
|---|--|-------------|------------------|-------------|
| • Understands safe use and operation of electrical equipment including: | - | - | - | - |
| a. safety precautions before start of work/repair | | | | |
| b. isolation, emergency procedures | | | | |
| c. different voltages on board | | | | |
| • Basic understanding regarding the causes of electric shock | | | | |
| • Precautions to prevent electric shock | | | | |

SECTION 2 – Contribute to monitoring the operation of electrical system and machinery

| <i>Action or Task (STCW Code Table AIII/7)</i> | <i>Considered proficient by (Name)</i> | <i>Rank</i> | <i>Signature</i> | <i>Date</i> |
|---|--|-------------|------------------|-------------|
| • Basic knowledge regarding operation of below: | - | - | - | - |
| a. prime movers and main propulsion plant | | | | |
| b. auxiliary machineries in engine room | | | | |
| c. steering and associated systems | | | | |
| d. cargo-handling systems | | | | |
| e. deck machineries | | | | |
| f. HVAC, refrigeration systems | | | | |
| • Basic knowledge regarding below: | - | - | - | - |
| a. electro-technology and electrical machines theory | | | | |
| b. power distribution systems and electrical equipment | | | | |
| c. fundamentals of automation and automatic control systems | | | | |

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|--|--|--|--|--|
| d. instrumentation and alarm monitoring systems | | | | |
| e. electrical drives | | | | |
| f. electro-hydraulic and electro-pneumatic systems | | | | |
| g. coupling of generators, load sharing, changes in electrical configuration | | | | |

SECTION 3 – Use of hand tools, electric and electronic measurement equipment for fault detection, maintenance and repair

| <i>Action or Task (STCW Code Table AIII/7)</i> | <i>Considered proficient by (Name)</i> | <i>Rank</i> | <i>Signature</i> | <i>Date</i> |
|--|--|-------------|------------------|-------------|
| • Safety requirements of working on shipboard electrical systems | | | | |
| • Application of code of safe working practices | | | | |
| • Basic knowledge regarding below: | - | - | - | - |
| a. construction and operational characteristics of AC and DC shipboard systems | | | | |
| b. use of measuring instruments, machine tools, hand and power tools | | | | |

SECTION 4 – Contribute to shipboard maintenance and repair

| <i>Action or Task (STCW Code Table AIII/7)</i> | <i>Considered proficient by (Name)</i> | <i>Rank</i> | <i>Signature</i> | <i>Date</i> |
|--|--|-------------|------------------|-------------|
| • Ability to use lubrication and cleaning materials | | | | |
| • Knowledge of safe disposal of waste material | | | | |
| • Ability to understand and execute routine maintenance and repair procedures safely | | | | |
| • Understanding manufacturers' safety guidelines and shipboard safety instructions | | | | |

SECTION 5 – Contribute to the maintenance and repair of electrical systems and machinery

| <i>Action or Task (STCW Code Table AIII/7)</i> | <i>Considered proficient by (Name)</i> | <i>Rank</i> | <i>Signature</i> | <i>Date</i> |
|--|--|-------------|------------------|-------------|
| • Safety and emergency procedures | | | | |
| • Basic knowledge regarding below: | - | - | - | - |

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|---|--|--|--|--|
| a. electrotechnical drawings, safe isolation of equipment | | | | |
| b. test, detect faults and maintain and restore electrical control equipment & machinery to operating condition | | | | |
| c. electrical and electronic equipment operating in flammable areas | | | | |
| d. basics of ship's fire detection system | | | | |
| e. carrying out safe maintenance and repairs | | | | |
| f. detection of machinery faults and actions to prevent damage | | | | |
| g. maintenance of lighting fixtures and supply systems | | | | |

SECTION 6 – Contribute to handling of stores

| <i>Action or Task (STCW Code Table AIII/7)</i> | <i>Considered proficient by (Name)</i> | <i>Rank</i> | <i>Signature</i> | <i>Date</i> |
|--|--|-------------|------------------|-------------|
| <ul style="list-style-type: none"> Basic understanding of safe handling, stowage and securing of stores | | | | |

SECTION 7 – Application of precautions and contribution to the prevention of pollution of the marine environment

| <i>Action or Task (STCW Code Table AIII/7)</i> | <i>Considered proficient by (Name)</i> | <i>Rank</i> | <i>Signature</i> | <i>Date</i> |
|---|--|-------------|------------------|-------------|
| <ul style="list-style-type: none"> Knowledge regarding precautions to be taken to prevent marine pollution | | | | |
| <ul style="list-style-type: none"> Knowledge regarding use and operation of anti-pollution equipment | | | | |
| <ul style="list-style-type: none"> Knowledge regarding approved methods for disposal of marine pollutants | | | | |

SECTION 8 – Apply occupational health and safety procedures

| <i>Action or Task (STCW Code Table AIII/7)</i> | <i>Considered proficient by (Name)</i> | <i>Rank</i> | <i>Signature</i> | <i>Date</i> |
|--|--|-------------|------------------|-------------|
| <ul style="list-style-type: none"> Working knowledge of safe working practices and personal shipboard safety including below: | - | - | - | - |
| a. electrical safety | | | | |
| b. lock out/tag-out | | | | |

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|------------------------------------|--|--|--|--|
| c. mechanical safety | | | | |
| d. permit to work | | | | |
| e. working aloft | | | | |
| f. enclosed space entry procedures | | | | |
| g. lifting techniques | | | | |
| h. chemical and biohazard safety | | | | |
| i. PPE | | | | |