

MEDICAL EQUIPMENT REPAIRER

RAPIDS: 0168D

O*NET/SOC: 49-9062.00

REVISION DATE: 09/2019

TRADE DESCRIPTION: Test, adjust, or repair biomedical or electromedical equipment.

TASK PERFORMANCE: Demonstrate knowledge and skills for qualifying as Journeyman. Applicable Job Qualification Requirements will be used as a guide in performing tasks and demonstrating knowledge in the following skill areas. Actual work time must be recorded in the Work Experience Log; each skill area must be completed.

Applicable Ratings/MOS/NEC

USMC MOS: None

USCG: None

USN: HM, L08A

USA MOS: 94H

Related Instruction:

Trade related On-The-Job-Training (OJT) or Any Trade related schools/courses totaling 432 or more hours.

Additional Requirement:

Must hold NEC 8410 or L08A.

Total Hours: **6000**

| Skill | Description | Hours |
|-------|---|-------------|
| A | ROUTINE MAINTENANCE -- Inspect and test malfunctioning medical or related equipment, following manufacturers' specifications and using test and analysis instruments. | 2000 |

| | | |
|----------|---|-------------|
| | <ul style="list-style-type: none"> -- Test or calibrate components or equipment, following manufacturers' manuals and troubleshooting techniques, using hand tools, power tools, or measuring devices. -- Keep records of maintenance, repair, and required updates of equipment. -- Perform preventive maintenance or service, such as cleaning, lubricating, or adjusting equipment. -- Test, evaluate, and classify excess or in-use medical equipment and determine serviceability, condition, and disposition, in accordance with regulations. | |
| B | <p>SCHEMATIC DIAGRAMS, BLUEPRINTS, DRAWINGS AND PARTSLIST</p> <ul style="list-style-type: none"> -- Plan and carry out work assignments, using blueprints, schematic drawings, technical manuals, wiring diagrams, or liquid or air flow sheets, following prescribed regulations, directives, or other instructions as required. -- Research catalogs or repair part lists to locate sources for repair parts, requisitioning parts and recording their receipt. -- Study technical manuals or attend training sessions provided by equipment manufacturers to maintain current knowledge. | 1000 |
| C | <p>REPAIRING EQUIPMENT</p> <ul style="list-style-type: none"> -- Disassemble malfunctioning equipment and remove, repair, or replace defective parts, such as motors, clutches, or transformers. -- Solder loose connections, using soldering iron. -- Fabricate, dress down, or substitute parts or major new items to modify equipment to meet unique operational or research needs, working from job orders, sketches, modification orders, samples, or discussions with operating officials. -- Repair shop equipment, metal furniture, or hospital equipment, including welding broken parts or replacing missing parts, or bring item into local shop for major repairs. | 2000 |
| D | <p>CRITICAL THINKING</p> <ul style="list-style-type: none"> -- Examine medical equipment or facility's structural environment and check for proper use of equipment to protect patients and staff from electrical or mechanical hazards and to ensure compliance with safety regulations. -- Evaluate technical specifications to identify equipment or systems best suited for intended use and possible purchase, based on specifications, user needs, or technical requirements. -- Compute power and space requirements for installing medical, dental, or related equipment and install units to manufacturers' specifications. | 500 |

| | | |
|----------|---|------------|
| | -- Make computations relating to load requirements of wiring or equipment, using algebraic expressions and standard formulas. | |
| E | EDUCATION AND TRAINING -- Explain or demonstrate correct operation or preventive maintenance of medical equipment to personnel. -- Contribute expertise to develop medical maintenance standard operating procedures. -- Supervise or advise subordinate personnel. | 500 |