

Work Processes Schedule

CENTRAL OFFICE REPAIRER

RAPIDS: 0077M

O*NET/SOC: 49-2022.00

REVISION DATE: 12/2014

Tests telecommunication equipment circuits and components to isolate source of malfunctions using test instruments and circuit diagrams. Analyzes test readings, computer printouts, and trouble reports to determine method of repair. Repairs or replaces defective components, such as switches, relays, amplifiers, and civil boards. 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 areas. Actual work time must be recorded in the Work Experience Log.

Applicable Ratings/MOS

USMC MOS 0612, 2822, 2823, 2826, 2847

USCG None

USN None

Related Instruction

Any trade related school(s) totaling 576 or more hours.

Additional Requirement

None

Total Hours: **8000**

Skill	Description	Hours
A	<p>ORIENTATION</p> <p>Observe the functioning of a telephone exchange. Assist an experienced dial central office repairer. Develop skills in use and application of systems terminology. Assist central office repairer in installation and wiring of distributing frames. Develop shop cleaning techniques. Apply safety practices used in telephone central offices.</p>	500
B	<p>PERFORM PREVENTIVE MAINTENANCE OF DIAL CENTRAL OFFICE EQUIPMENT</p> <p>Prepare maintenance forms for dial central office equipment. Clean and inspect telephone switching can covers, relay contacts, equipment cables and terminal blocks. Clean, lubricate and inspect electrical stepping switches.</p>	1000
C	<p>DEVELOP SKILL OF ALIGNING DIAL TELEPHONE CENTRAL OFFICE EQUIPMENT THROUGH USE OF PROPER PROCEDURES, TE SETS, TOOLS AND MANUALS TO ADJUST AND ALIGN LINE CONDITION IN INTERCEPT AND AUTOYON TRUNK CIRCUIT EQUIPMENT</p>	1000
D	<p>INSTALL DIAL TELEPHONE CENTRAL OFFICE EQUIPMENT</p> <p>Observe installation practices and assist experienced repairers. Recognize significance and apply cable color codes. Develop skills in proper soldering techniques for cable and wires. Develop proficiency in the techniques of wire wrapping.</p>	1000
	<p>TEST DIAL CENTRAL OFFICE EQUIPMENT UNDER SUPERVISION OF EXPERIENCED REPAIRER</p>	

E	Operate test desk to determine faults within an outside central office. Perform testing procedures using multitesters and oscilloscopes. Develop skill in detection, identification, isolation and finding equipment and line faults.	500
F	<p>REPAIR DIAL CENTRAL OFFICE EQUIPMENT UNDER SUPERVISION OF AN EXPERIENCED REPAIRER</p> <p>Identify defective parts. Remove and replace defective parts using soldering gun and required hand tools. Apply relay adjustments chart information in final adjustments and test operate dial central office equipment. Requisition repair parts. Test repaired components.</p>	2000
G	<p>APPLY PROPER TROUBLESHOOTING AND SAFETY PROCEDURES TO ELECTRICAL SWITCHING SYSTEMS, AUTOMATIC SWITCHING SYSTEM AND SWITCHBOARDS</p>	2000