

INTERNETWORKING TECHNICIAN

RAPIDS: 1038D

O*NET/SOC: 15-1152.00

REVISION DATE: 09/2019

TRADE DESCRIPTION: Analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Perform network maintenance to ensure networks operate correctly with minimal interruption. **
(Alternate Title: Computer Network Support Specialists)

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: 0631, 0659, 0689, 2651, 5974, 6694

USCG: IT

USN: CTN, ET, IT, ITS

USA MOS: 25B, 25N

Related Instruction:

Trade related On-The-Job-Training (OJT) or Any Trade related schools/courses totaling 288 or more hours.

Additional Requirement:

None

Total Hours: **4000**

Skill	Description	Hours
A	INSTALLATION	800

	<ul style="list-style-type: none"> -- Install and configure networking equipment. -- Install new hardware or software systems or components, ensuring integration with existing network systems. -- Install or repair network cables, including fiber optic cables. -- Install network software, including security or firewall software. 	
B	<p>CONFIGURATION</p> <ul style="list-style-type: none"> -- Configure wide area network (WAN) or local area network (LAN) routers or related equipment. -- Configure and define parameters for installation or testing of local area network (LAN), wide area network (WAN), hubs, routers, switches, controllers, multiplexers, or related networking equipment. -- Configure security settings or access permissions for groups or individuals. -- Create or update technical documentation for network installations or changes to existing installations. -- Create or revise user instructions, procedures, or manuals. -- Research hardware or software products to meet technical networking or security needs. -- Monitor industry websites or publications for information about patches, releases, viruses, or potential problem identification. 	1200
C	<p>MAINTENANCE AND REPAIR</p> <ul style="list-style-type: none"> -- Identify the causes of networking problems, using diagnostic testing software and equipment. -- Back up network data. -- Troubleshoot network or connectivity problems for users or user groups. -- Analyze network data to determine network usage, disk space availability, or server function. -- Perform routine maintenance or standard repairs to networking components or equipment. -- Test computer software or hardware, using standard diagnostic testing equipment and procedures. -- Test repaired items to ensure proper operation. -- Maintain logs of network activity. -- Run monthly network reports. 	1200

D	HELPDESK SUPPORT <ul style="list-style-type: none">-- Documents helpdesk requests and resolutions.-- Document network support activities.-- Provide telephone support related to networking or connectivity issues.-- Evaluate local area network (LAN) or wide area network (WAN) performance data to ensure sufficient availability or speed, to identify network problems, or for disaster recovery purposes.-- Analyze and report computer network security breaches or attempted breaches.-- Train users in procedures related to network applications software or related systems.	800
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