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

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<tr>
<th>Skill</th>
<th>Description</th>
<th>Hours</th>
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<tbody>
<tr>
<td>A</td>
<td>INSTALLATION</td>
<td>800</td>
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</table>
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 CONFIGURATION**

-- 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.

**C MAINTENANCE AND REPAIR**

-- 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.
<table>
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<tr>
<th>HELPDESK SUPPORT</th>
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<tr>
<td>-- Documents helpdesk requests and resolutions.</td>
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<tr>
<td>-- Document network support activities.</td>
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<tr>
<td>-- Provide telephone support related to networking or connectivity issues.</td>
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<tr>
<td>-- 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.</td>
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<td>-- Analyze and report computer network security breaches or attempted breaches.</td>
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<td>-- Train users in procedures related to network applications software or related systems.</td>
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