

INTERNETWORKING TECHNICIAN

RAPIDS: 1038D

O*NET/SOC: 15-1152.00

REVISION DATE: 03/2021

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 competencies.

TRADE ELIGIBILITY REQUIREMENTS:

Service Member assigned, trained and working full time in this trade occupation;

Have a minimum of 12 months remaining on active duty when beginning this trade apprenticeship;

Agree to abide by the National Standards of Apprenticeship.

Related Instruction:

Trade related On-The-Job-Training (OJT) or Any Trade related schools/courses totaling 216 or more hours.

Additional Requirement:

IT, ITS, CTN ratings- 'A' school qualifies. Other USN ratings must hold and be assigned in one of the following NEC's: 731A, 742A, H08A, H10A, V03A, V15B, V16B, V18B, V11A, V36A, V42A, V44A, V50A, V55A, V60A, V64V, V68A, V69A, V75A.

JOB FUNCTION 1: INSTALLATION			
Competencies:	Achieved Competency	Date Achieved	Approved By
1 - Install new hardware or software systems or components, ensuring integration with existing network systems.			
2 - Install and configure networking equipment.			
3 - Install network software, including security or firewall software.			
4 - Install or repair network cables, including fiber optic cables.			
JOB FUNCTION 2: CONFIGURATION			
Competencies:	Achieved Competency	Date Achieved	Approved By
1 - Create or revise user instructions, procedures, or manuals.			
2 - Research hardware or software products to meet technical networking or security needs.			
3 - Create or update technical documentation for network installations or changes to existing installations.			
4 - Configure security settings or access permissions for groups or individuals.			
5 - Monitor industry websites or publications for information about patches, releases, viruses, or potential problem identification.			
6 - Configure wide area network (WAN) or local area network (LAN) routers or related equipment.			
7 - 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.			
JOB FUNCTION 3: MAINTENANCE AND REPAIR			
Competencies:	Achieved Competency	Date Achieved	Approved By
1 - Test computer software or hardware, using standard diagnostic testing equipment and procedures.			
2 - Perform routine maintenance or standard repairs to networking components or equipment.			

3 - Analyze network data to determine network usage, disk space availability, or server function.			
4 - Troubleshoot network or connectivity problems for users or user groups.			
5 - Back up network data.			
6 - Identify the causes of networking problems, using diagnostic testing software and equipment.			
7 - Test repaired items to ensure proper operation.			
8 - Run monthly network reports.			
9 - Maintain logs of network activity.			
JOB FUNCTION 4: HELPDESK SUPPORT			
Competencies:	Achieved Competency	Date Achieved	Approved By
1 - Document network support activities.			
2 - Documents helpdesk requests and resolutions.			
3 - Provide telephone support related to networking or connectivity issues.			
4 - 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.			
5 - Analyze and report computer network security breaches or attempted breaches.			
6 - Train users in procedures related to network applications software or related systems.			
FINAL APPROVER:	ALL COMPETENCIES COMPLETED:		
SIGNATURE:	DATE:		