

NO RTEC JOB SPECIFIC SKILLS COMPETENCY

NETWORK CONTROL OPERATOR

DOT: 031.262.014 SVP 6

Job Description: Monitors data communications network to ensure that network is available to all system users and resolves data communications problems. *Physical demands* - light lifting, carrying, or moving (up to 20 lbs); *General Educational Development* - R4 M3 L4; *Aptitudes* - Average General Learning Ability, Verbal, Numerical, Spatial, Form Perception, and Clerical Perception.

CORE SKILL COMPETENCIES/INDICATORS:

1. Can demonstrate ability to correctly describe a network, including the physical components and their functions and services available on the network. (R, IN, S, T)
2. Can demonstrate ability to appropriately analyze data processing requirements to plan data processing system that will provide system capabilities required for projected workloads. (R, IN, S, T)
3. Can demonstrate ability to appropriately plan layout and installation of a new system or modification of existing systems. (R, IN, S, T)
4. Can demonstrate ability to appropriately and effectively confer with data processing and project managers to obtain information on limitations and capabilities of existing system and capabilities required for data processing projects and projected workload. (R, I, IN, S, T)
5. Can demonstrate ability to correctly evaluate factors such as number of departments serviced by data processing equipment, reporting formats required, volume of transactions time requirements and cost constraints. (R, IN, S, T)
6. Can demonstrate ability to perform system upgrades; analyzing information to determine, recommend, and plan layout for type of computers and peripheral equipment, or modifications to existing equipment and system, that will provide capability for proposed project or work load, efficient operation, and effective use of allotted space. (R, IN, S, T)
7. Can demonstrate proper procedure for entering data into computer terminal to store, retrieve, and manipulate data for analysis of system capabilities and requirements. (R, IN, S)
8. Can demonstrate ability to correctly specify power supply requirements and configuration necessary for systems. (R, IN, S, T)
9. Can demonstrate knowledge of equipment used to control dust, temperature, and humidity in area of system installation, and can recommend, as appropriate. (R, S, T)
10. Can demonstrate ability to appropriately monitor functioning of equipment to ensure system operates in conformance with specification. (R, IN, S, T)
11. Can demonstrate proper techniques used to access the network from a workstation, including: loading the workstation connection software; mapping network and search drives; navigating the system; executing an application from the network; and creating, saving, and sharing a data file. (R, IN, S)
12. Can demonstrate proper techniques used to access network printing, set up print job redirection to a network printer, and print a document on the network printer. (R, IN, S, T)
13. Can demonstrate proper technique used to create a user object for a new user and set up appropriate login security for the account. (R, IN, S)
14. Can demonstrate ability to effectively plan and set up a network file system. (R, IN, S)
15. Can demonstrate ability to appropriately manage a network file system by salvaging and purging files, setting up volume and directory space limitations, tracking volume space usage, and moving

directory structures. (R, IN, S, T)

16. Can demonstrate ability to create effective file system security by creating and managing appropriate directory trustee rights, file trustee rights, inheritance, Inherited Rights Filters (IRFs), directory attributes, and file attributes. (R, IN, S, T)
17. Can demonstrate ability to correctly execute a console command and access the server from a remote console. (R, IN, S, T)
18. Can demonstrate proper techniques used to set up network printing, including defining printing objects, bringing up a print server, and connecting a printer to the network. (R, IN, S, T)
19. Can demonstrate ability to perform basic network printing maintenance by managing print jobs in the print queue, and modifying the queue users and notification lists. (R, IN, S, T)
20. Can demonstrate ability to automate the network connection and login processes of a workstation by correctly modifying the appropriate configuration files. (R, IN, S)
21. Can demonstrate ability to automate the setup of the correct network environment for each user by creating appropriate login scripts. (R, IN, S)
22. Can demonstrate understanding of the issues involved in using and managing a multicontext environment, including context, current context, object naming rules, and bindery emulation. (R, IN, S, T)
23. Can demonstrate proper techniques used to back up and restore file system information from a server. (IN, S)
24. Can demonstrate ability to effectively train users to use new or modified equipment. (R, I, IN, S, T)
25. Can demonstrate proper techniques used to inspect communications wires and cables. (R, IN, S, T)
26. Can demonstrate ability to appropriately record daily data communications transactions, and number of problems and actions taken, using computer terminal. (IN, S).
27. Can demonstrate ability to appropriately update documentation of new equipment installed, new sites, and changes to computer configurations. (IN, S)
28. Can demonstrate ability to read and interpret troubleshooting guides, service manuals, and other technical reference manuals. (IN, S)
29. Can demonstrate complete understanding of the Internet and related protocols. (R, IN, S, T)