

## NETWORK SPECIALIST II

### NATURE OF WORK

This is responsible technical and supervisory work directing and controlling the networking software and UNIX systems used to support the City and County networking systems.

Work involves responsibility for installing and analyzing networking software; providing technical assistance to City and County customers in the use of networking services; evaluating network hardware/software needs; evaluating UNIX hardware/software needs; preparing reports; and maintaining detailed records of hardware and software. Supervision is exercised over subordinate technical personnel. General supervision is received from the Network Supervisor.

### EXAMPLES OF WORK PERFORMED

Provides technical assistance to customers in the use of networking systems and unique networking applications.

Installs and configures networking hardware and software; performs hardware and software upgrades to existing systems.

Monitors and maintains network hardware and software components in order to ensure maximum network performance; reviews network alerts and statistics; provides corrective action as required.

Develops scripts and programs to effectively track, analyze and report general network and UNIX systems utilization.

Investigates reported problems in order to determine general area of responsibility; diagnoses problems with routers and UNIX networking systems.

Develops procedure, configuration and documentation specifications for UNIX systems hardware and software.

Assists in the supervision of subordinate technical personnel.

Performs related work as required.

### DESIRABLE KNOWLEDGES, ABILITIES AND SKILLS

Considerable knowledge of computer capabilities and associated networking equipment.

Considerable knowledge of token ring, ethernet, frame relay and SNA networks, and the ability to analyze the same using the appropriate network analyzing tools.

Considerable knowledge of networking protocols such as IPX, SNA, TCP/IP and Frame Relay and the ability to analyze the same using the appropriate network analyzing tools.

- Considerable knowledge of routers, hubs, and the UNIX operating system.
- Knowledge of Novell and Windows NT networking environments.
- Ability to write scripts and programs for UNIX operating systems using such tools as awk, sed, Perl and C.
- Ability to communicate effectively both orally and in writing.
- Ability to establish and maintain effective working relationships with supervisors, coworkers, subordinates, customers and the general public.
- Ability to exercise independent judgment and initiative in analyzing network systems and to make sound recommendations and modifications.
- Ability to manage multiple responsibilities concurrently.

DESIRABLE TRAINING AND EXPERIENCE

Graduation from a senior high school or equivalent supplemented by an associates degree from a vocational or community college in computer science, business administration or related field and considerable experience in the installation and maintenance of networking/data communications systems.

MINIMUM QUALIFICATIONS

Graduation from a senior high school or equivalent with a minimum of two (2) years experience as a Network Specialist I and successful completion of a job-related examination; or any equivalent combination of training and experience which provides the desirable knowledges, abilities and skills.

Approved by: \_\_\_\_\_  
Department Head

\_\_\_\_\_  
Personnel Director