

UNIVERSITY OF ARIZONA  
DEPARTMENT OF HUMAN RESOURCES  
CLASSIFIED STAFF EMPLOYEE JOB DESCRIPTIONS

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**JOB CODE:** 73022

**TITLE:** Communications Network Analyst, Principal

**IT PAY BAND:** B13

**FLSA:** Exempt

**Purpose of Classification:**

Plans, designs and develops communications network infrastructure. Develops and implements network design and operation, policies and standards. Operates and maintains communications network facilities.

In addition, functions in at least one of the following:

As a project manager, defines scope, plans, organizes project teams involved in large and/or complex network projects. Guides Communication Network Analysts and other technical staff.

As a functional team coordinator, schedules, monitors, guides and participates in planning, designing, developing, implementing, testing and maintaining network systems.

As a functional supervisor, hires, schedules, monitors, directs and evaluates a small technical staff, and participates in installing, configuring, analyzing, monitoring and maintaining network systems software, hardware and related applications systems.

**Distinguishing Characteristics:**

This is the third in a series of three classifications. It is distinguished from the Communications Network Analyst, Senior which reviews, analyzes and responds to user requests, participates in network planning and design and assists management, network users and technical staff with complex technical support.

**Example of Duties:**

- Plans, designs and develops communications network infrastructure. Coordinates needs analysis; researches network hardware and software options; conducts simulations; assesses the quality, feasibility and business risk of proposed solutions; and makes recommendations concerning purchase of network hardware and software.
- Develops and implements communications network design and development, use, maintenance, customer support and security practices, policies, protocols and standards.
- Plans, organizes and guides teams involved in large and/or complex communications network planning, design and development projects. Directs and coordinates all aspects of the project.
- Coordinates the design, installation, configuration, testing, monitoring, maintenance and documentation of communications network software, hardware and related

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systems. Assists, trains, and coordinates technical staff in communications network systems operations.

- Coordinates network support activities. Solves the most complex network support problems; communicates with vendors as necessary.
- Analyzes and/or troubleshoots highly complex communications network hardware and software issues from senior management, network users and senior technical staff.
- Guides communications network analysts and other technical staff using specialized technical skills.
- Coordinates activities with other technical units and staff.

**Knowledge, Skills and Abilities:**

- Knowledge of the principles, operation and capabilities of current high-speed communications network hardware, software and protocols including security.
- Knowledge of the principles of communications network system operation, maintenance, monitoring and control.
- Skill in analyzing and solving communications network problems.
- Skill in communications network planning and design.
- Skill in planning and guiding the work of others.
- Skill in designing and developing network infrastructures.
- Ability to effectively communicate verbally and in writing.

**Minimum Qualifications:**

- Six years of progressively responsible experience designing, developing, and maintaining communications networks; OR,
- Associate's degree in Management Information Systems or a related field AND five years of progressively responsible experience designing, developing, and maintaining communications networks, OR,
- Any equivalent combination of experience, training and/or education.

This description is intended to be generic in nature. It is not intended to determine specific duties and responsibilities of any particular position. Essential functions and overtime eligibility may vary based on the specific tasks assigned to the position.

Prepared: 05/01/09