

**GEOGRAPHIC INFORMATION SYSTEM
REMOTE SENSING ANALYST 1**

Nature of Work

Under supervision of the GIS Manager, performs highly responsible technical work in operating and coordinating remote sensing hardware and software resources that affects the user community. Work involves design, operation, and management of remote sensing hardware and software resources with the context of programs and policy directives. Work includes coordination of remote sensing hardware and software activities; assistance in managing remote sensing hardware, software, and service vendor contracts; participation in planning and organizing remote sensing development activities; and other remote sensing hardware and software-related activities. Work is performed independently within established policies, procedures, and guidelines and is reviewed through reports, conferences, and Remote sensing project performance. Performs related work as required.

Examples of Work

Coordinate remote sensing hardware and software resources;
 confers and coordinates with GIS Manager, user
 organizations, and GIS/remote sensing personnel to determine
 user needs.

Assists in oversight all remote sensing hardware and software
 operations; supervises remote sensing functions directly and
 groups all activity associated with implementation,
 operations, and enhancement of remote sensing hardware and
 software.

Assists in coordinating contracts with remote sensing hardware,
 software and related service vendors.

Performs installation, testing, and acceptance of remote sensing
 hardware and software. Responsible for adherence to
 applicable standards for remote sensing hardware and
 software.

Helps coordinate maintenance and service contracts with remote
 sensing hardware and software vendors.

Develops procedure for remote sensing applications and oversees
 operations.

Monitors remote sensing application and operation performance.

Responds to user questions and resolves remote sensing
 application and operation problems.

Evaluates requirements for remote sensing upgrades and
 contributes to the selection and procurement of remote
 sensing hardware, software, and related services.

Uses World Wide Web hardware and software to make remote sensing
 data available to larger user community.

GIS REMOTE SENSING ANALYST 1 (CONT'D)

Knowledge, Skills and Abilities

Knowledge of remote sensing hardware and software components and techniques.

Knowledge of automated mapping and spatial information processing methods and techniques.

Knowledge of remote sensing (raster) database design and structure.

Ability to coordinate with remote sensing staff and users on remote sensing hardware and software needs and issues.

Ability to translate technical concepts and terminology in terms understandable to management, department officials and users.

Ability to establish and maintain effective relationships with user departments, administrative officials, and employees.

Ability to communicate effectively, orally and in writing.

Minimum Qualifications

TRAINING: Bachelor's degree, including six semester hours in computer science or GIS from an accredited four-year college or university. Preference may be given to those with a major in geography, cartography, geology, forestry, natural or earth sciences, environmental sciences, engineering, engineering technology, mathematics, computer sciences, planning or a related field.

EXPERIENCE: Four years of full-time or equivalent part-time paid experience in geographic information system (GIS) work.

SUBSTITUTION: Master's degree from an accredited college or university in the above preferred fields may be substituted for two years of the required experience. Doctorate degree from an accredited college or university in the above preferred fields may be substituted for three years of the required experience.

Established: 11/15/01
Effective: 1/1/02