



GROUP MANAGER, SYSTEMS ENGINEERING

JC: EF080
PB: 11
FLSA: Exempt

BU: 95 (NR)
Created: June 2002
Revised: June 2019

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job.*

DEFINITION

Under general direction, plans, directs, manages and oversees the activities and operations of the District's systems engineering group including configuration control, communications engineering, computer systems engineering and train control engineering; oversees and manages outside consultant contract projects; coordinates assigned activities with other departments and outside agencies; provides highly responsible, complex administrative and technical support to the Assistant Chief Engineering Officer; and performs related duties as assigned.

CLASS CHARACTERISTICS

This Deputy Director level classification is responsible for performing administration of a department under the direction of the Director or Executive category. Classifications in this category assist in guiding the development, preparation, and maintenance of the department's policies, may lead collaborative efforts with other internal departments to develop continuous process improvements, or manage consulting contracts and task orders, and monitor and evaluate staff performance and provide feedback, coaching, and/or positive recognition for department personnel and decision-making may have significant, long-term impact on the organization. This classification is distinguished from the Assistant Chief Engineering Officer in the latter has overall responsibility for managing and overseeing the activities and operations of the District's engineering programs and projects.

REPORTS TO:

Assistant Chief Engineering Officer or designee.

EXAMPLES OF DUTIES – *Duties may include, but are not limited to, the following:*

1. Assumes full management responsibility for all assigned Systems Engineering Divisions including configuration control, communications engineering, computer systems engineering and train control engineering.
2. Provides technical oversight, direction, and guidance for projects directly or indirectly involving assets managed by Systems Engineering.
3. Manages the development and implementation of departmental goals, objectives, policies and

priorities for each assigned engineering division.

4. Establishes, within District policy, appropriate service and staffing levels; monitors and evaluates the efficiency and effectiveness of service delivery methods and procedures; allocates resources accordingly.
5. Plans, directs and coordinates, through subordinate level staff, the Systems Engineering Group's work plan; assigns projects and programmatic areas of responsibility; reviews and evaluates work methods and procedures; meets with key staff to identify and resolve problems.
6. Assesses and monitors work load, administrative and support systems, and internal reporting relationships; identifies opportunities for improvement; directs and implements changes.
7. Provides strategic direction in the research, analysis, development and implementation of new technology in assigned program areas including voice and data communications, computer systems and train control systems engineering.
8. Oversees the administration of special systems engineering projects and major contract design and development projects; oversees and directs the work of consultant and contracted staff.
9. Monitors developments and legislation related to assigned areas of responsibility; evaluates impact upon District operations; recommends and implements policy and procedural improvements.
10. Selects, trains, motivates and evaluates assigned personnel; provides or coordinates staff training; works with employees to correct deficiencies; implements discipline and termination procedures.
11. Oversees and participates in the development and administration of the departmental budget; approves the forecast of funds needed for staffing, equipment, materials and supplies; approves expenditures and implements budgetary adjustments as appropriate and necessary.
12. Explains, justifies and defends departmental programs, policies and activities; negotiates and resolves sensitive and controversial issues.
13. Represents the Systems Engineering Group to representatives of manufacturers, vendors, governmental agencies and professional and business organizations; coordinates assigned activities with those of other departments and outside agencies and organizations.
14. Provides responsible staff assistance to the Chief Engineer; participates on various District management committees; prepares and presents staff reports and other necessary correspondence.
15. Attends and participates in professional group meetings; stays abreast of new trends and innovations in the field of systems development and engineering communications and electronics.

QUALIFICATIONS

Knowledge of:

- Operations, services and activities of a comprehensive systems engineering and design including communications, computer and train control systems engineering
- Principles and practices of communications, electronics, computer and train control systems design
- Principles and practices of project and contract management
- Principles and practices of policy development and administration
- Principles and practices of budget preparation and administration
- Principles and practices of program development and administration
- Principles of supervision, training and performance evaluation
- Related Federal, State and local laws, codes and regulations

Skill/Ability in:

- Managing a comprehensive communication, computer and train control systems engineering and design program
- Developing and administering departmental goals, objectives and procedures
- Analyzing and assessing policies and operational needs and making appropriate adjustments
- Identifying and responding to sensitive community and organizational issues, concerns and needs
- Delegating authority and responsibility
- Selecting, supervising, training and evaluating staff
- Preparing clear and concise administrative and financial reports
- Preparing and administering large and complex budgets
- Interpreting and applying applicable Federal, State and local policies, laws and regulations
- Communicating clearly and concisely, both orally and in writing
- Establishing and maintaining effective working relationships with those contacted in the course of work

MINIMUM QUALIFICATIONS

Education:

Possession of a bachelor's degree in electronics, computer science or a related field from an accredited college or university.

Experience:

The equivalent of six (6) years of (full-time equivalent) verifiable professional experience in electronic communications and computer systems design and development or related experience which must have included at least two (2) years of management and administrative experience.

Substitution:

Additional professional experience as outlined above may be substituted for the education on a year-for-year basis. A college degree is preferred.

WORKING CONDITIONS

Environmental Conditions:

Office environment; exposure to computer screens; field environment; construction site environment; exposure to heat, cold, moving vehicle, electrical energy and inclement weather conditions.

Physical Conditions:

Group Manager, Systems Engineering

Page 4

May require maintaining physical condition necessary for walking, standing or sitting for prolonged periods of time.

BART EEO-1 Job Group: 0500 – Executives/Managers

Census Code: 0300 – Architectural and Engineering Managers

Safety Sensitive: No