

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

ASSOCIATE COMMUNICATIONS ENGINEER - 1219

DEFINITION:

Under direction, to plan and supervise field and office work in connection with the design, review, and inspection of communications systems; to perform complex communications systems planning and design; to conduct special communications engineering research studies; and to perform related work.

*** EXAMPLES OF DUTIES:**

- Assists in planning, coordinating, reviewing, inspecting, and providing engineering assistance to the City's centralized electronic maintenance activity and the Association of Public Communications Officials (APCO) Project 25 Trunked Radio voice and data, microwave, and other communication systems;
- Tests equipment;
- Prepares specifications, cable TV reports, studies, and cost estimates;
- Provides engineering support on electronic communication problems;
- Assists in engineering studies for transmitter and receiver sites;
- Assists in research for planning of communication systems;
- Assists with on-site inspections;
- Conducts special communications engineering research studies;
- Designs and implements communications hardware and components;
- Researches and recommends technical operation and maintenance standards;
- Assists in preparation of capital improvement budget;
- Ensures that City radio stations are maintained in accordance with federal rules and regulations;
- Writes and prepares specifications;
- Assists in training, selecting, and rating the work performance of subordinates;
- Acts for the Senior Communications Engineer in the latter's absence.

MINIMUM QUALIFICATIONS:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Description for updated minimum qualifications: <https://www.governmentjobs.com/careers/sandiego/classspecs>.

College graduation with a Bachelor's Degree in Electrical Engineering, Electronics, Computer Engineering, Communications/Network Engineering, or a closely related field; **OR** a valid certification as a Telecommunications Junior Engineer issued by the National Association of Radio and Telecom Engineers (iNARTE), **AND** three years of full-time professional-level

- * EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.

communications engineering experience with multiple site/multiple frequency radio communication systems and/or large, multiple site TCP/IP networks.