

**COMPETENCY MODEL FOR
ELECTRICAL MECHANIC SUPERVISOR
CLASS CODE 3835**

The following competencies have been identified as those that best separate superior from satisfactory job performance in the class of **ELECTRICAL MECHANIC SUPERVISOR**. (Numbers refer to the order of competencies in the Competency Bank.)

- 3. Judgment and Decision Making
- 8. Safety Focus
- 20. Job Knowledge
- 26. Electrical Understanding
- 28. Supervision
- 32. Responsiveness and Follow-Up
- 40. Credibility
- 53. Leadership

On the following pages are descriptions of each competency, including a definition, the level of the competency required for the class (bold, italicized, and underlined), examples of behavioral indicators, and satisfactory and superior performance levels.

3. JUDGMENT AND DECISION MAKING – Accurately assesses situations, seeks new information if necessary, and applies all available information to reach sound conclusions/formulate effective response.

Level of Competency Required by Job:

Level 1: Training and guidelines needed to respond to immediate situations within very specific function are provided (or supervisor available to assist).

Level 2: General information and guidance to assist in responding to a variety of situations across a range of circumstances are provided.

Level 3: Little guidance available for responding to a wide range of complex situations with far-reaching and/or enduring consequences.

Examples of Behavioral Indicators:

- Effectively responds to atypical situations.
- Asks questions or otherwise obtains additional relevant information to make a decision.
- Formulates a decision and necessary actions based on available facts.
- Correctly infers appropriate response based on information provided and existing policies, personal experience, and/or consultation with others.
- Discusses conclusions/possible responses with others before taking action as necessary.
- Considers impact of decisions on all affected parties.

Performance Levels:

Satisfactory

Correctly assesses routine and unusual situations and reaches appropriate conclusions for actions needed. Obtains additional information and/or consults with others as necessary.

Superior

Evaluates new situations accurately to establish an appropriate response or plan of action. Recognizes the impact on all affected parties, as well as the possible ramifications and/or repercussions of setting a precedent.

8. SAFETY FOCUS – Performs work in a way that minimizes risk of injury to self or others.

Level of Competency Required by Job:

Level 1: Maintain awareness of unsafe conditions and actions to avoid injury.

Level 2: Follow safety rules/procedures; avoid known hazards in the work environment.

Level 3: Carefully follow safety rules and procedures and consistently use all necessary safety equipment.

Examples of Behavioral Indicators:

- Wears seat belt.
- Ensures safe physical work environment by taking actions such as eliminating unstable stacks of materials, closing drawers so filing cabinets will not tip over, and keeping pathways clear of tripping hazards.
- Reviews safety procedures before beginning each job with known hazards.
- Follows safety procedures while performing work even when it takes more time.
- Uses safety equipment such as goggles, gloves, and earplugs as required or warranted.
- Frequently checks safety equipment for proper condition and operation.

Performance Levels:

Satisfactory

Maintains awareness of personal safety to avoid injury or property damage during all work activities.

Superior

“Safety first.” Places avoidance of injury or property damage above all other job requirements. Mentions the need to follow safe work practices to co-workers. Actively seeks ways to avoid injury.

Safety Focus Areas

1. Knowledge of safety principles, practices, and procedures as required by the California Division of Occupational Safety and Health Administration (Cal-OSHA), Department of Water and Power, and National Electric Code when working on or around high and low voltage electrical, electronic, or energized equipment, including the proper use of personal protective equipment (PPE) such as hard hats, rubber gloves and hearing protection sufficient to ensure the safety of oneself and others.
2. Knowledge of first aid procedures such as CPR (Cardiopulmonary Resuscitation), AED (Automated External Defibrillator), and treatment for burns sufficient to properly train employees, minimize injuries, and provide appropriate care in a timely manner.

20. JOB KNOWLEDGE – Knows information required to perform a specific job. Includes both widely available courses of study (for example, chemistry, human resources management, graphic arts) and City-specific information (parking regulation and ticketing practices; purchasing procedures; provisions of the City Charter).

Level of Competency Required by Job:

Level 1: Knowledge is concrete, factual, and/or procedural and may be defined by the organization. Situations in which it is applied are quite consistent.

Level 2: Knowledge is substantive and may be defined by an external trade, field, or profession. Situations in which it is applied vary and, as such, require breadth and depth of understanding.

Level 3: Knowledge is abstract, conceptual, and/or complex and may be supported by a well-defined academic discipline or authoritative sources (e.g., laws, ordinances, government guidelines/regulations/codes). Situations in which it is applied may vary greatly or be novel.

Examples of Behavioral Indicators:

- Performs work correctly/avoids technical (job content related) errors.
- Answers technical questions about work accurately.
- Asks few technical questions about the performance of routine work activities.
- Offers advice (“coaching”) to new employees regarding their work.
- Develops training programs for other employees.
- Sought out as a source of information by others.

Performance Levels:

Satisfactory

Sufficient job knowledge to perform work correctly independently. Answers technical questions about work correctly.

Superior

Expertise in technical job information sufficient to serve as a resource to others. May develop training manuals/ programs and/or give internal and/or external presentations related to work.

Job Knowledge Areas

1. Knowledge of mechanical theory relevant to the installation, maintenance, and repair of high and low voltage electrical and electronic equipment such as principles of valves, cranks, levers and pulleys sufficient to ensure proper operation and longevity of equipment.
2. Knowledge of the proper procedures, techniques and equipment used for rigging such as blocks, tackles, cranes, hoists, and slings sufficient to effectively identify hazards and ensure safe usage.
3. Knowledge of Department of Water and Power (DWP) clearance and "OK TO" procedures for de-energizing and re-energizing electrical equipment such as Operating Orders 2 and 8 sufficient to plan work and schedule bids.
4. Knowledge of Department and Water and Power (DWP) administrative procedures related to estimating and requisitioning materials and supplies including requesting quotes sufficient to ensure purchasing transparency.

26. ELECTRICAL UNDERSTANDING – Comprehends the concept and the operation of flow of electrical current.

Level of Competency Required by Job:

Level 1: Know the properties of electricity relevant to the work environment and work to be performed in order to correctly perform work and recognize hazards that will be created by the failure to do so.

Level 2: Sufficient understanding of electricity to recognize problems and determine repair needed to prevent disaster/restore operation.

Level 3: *In-depth understanding of electrical principles and phenomena sufficient to design and/or oversee the installation of complex electrical systems.*

Examples of Behavioral Indicators:

- Ensures safe physical work environment by taking actions such as eliminating exposed electrical wire, faulty connections, empty sockets, and overloaded circuits.
- Recognizes the danger of fire from faulty electrical installations.
- Uses tools, equipment, and instruments properly to accomplish electrical work correctly and safely.
- Systems designed and/or for which installation is overseen perform as intended upon completion.

Performance Levels:

Satisfactory

Understands the operation of electricity sufficient to readily learn and perform electrical work.

Superior

Displays exceptional insight into the operation of electrical systems, and makes correct inferences regarding them. Promptly and accurately troubleshoots problem.

Electrical Understanding Areas

1. Knowledge of electrical principles, terminology, and theories relevant to the installation, commissioning, maintenance and repair of high and low voltage electrical and electronic equipment in transmission, distribution, receiving, and generating systems, such as pumps and control equipment, including alternating current (AC), direct current (DC) inductance, capacitance, reactance, resistance, and Ohm's Law sufficient to effectively plan work, direct crews, and monitor and assess crew performance.
2. Knowledge of the nomenclature, function, operation and maintenance needs of high and low voltage electrical, mechanical, hydraulic and pneumatic equipment such as generators, circuit breakers, transformers, voltage regulators, electric motors, meters, control and protection schemes, switching devices, pumps, electronic control equipment, various appliances, conduits, pipes, cables and wires sufficient to ensure optimal equipment performance throughout their life cycles.
3. Knowledge of the nomenclature, function, operation, and use of gauges and test instruments such as ohm meters, voltmeters, voltage testers, ammeters, meggers, meters, and temperature gauges sufficient to ensure proper use by crew members.
4. Knowledge of the nomenclature, function, operation and maintenance needs of hand, electrical, and hydraulic power tools such as pliers, wire cutters, wrenches, rollers, cribbing and firefighting equipment sufficient to ensure proper use by crew members.
5. Knowledge of the nomenclature, function, operation, use, and maintenance needs of miscellaneous equipment such as lighting and fire-alarm systems sufficient to ensure compliance with regulatory requirements.
6. Knowledge of the practices and procedures used to assemble and install high and low voltage electrical and mechanical equipment such as conduits and raceways, control and auxiliary power cables, termination and wiring of devices, fixtures, control cabinet and distribution panels, including grounding sufficient to meet minimum requirements.
7. Knowledge of the practices and procedures used to dismantle, repair, and maintain high and low voltage electrical and mechanical equipment such as lubrication, adjustment and cleaning procedures for generating, transmission, distribution, receiving, control and auxiliary equipment in electric substations, generating stations, power plants, chlorination stations, pumping stations, filtration stations, and converter stations sufficient to ensure crew safety, compliance with manufacturer specifications, and system reliability.
8. Knowledge of the properties and handling procedures of various materials used in electrical work such as PCB (Printed Circuit Board), oils, gases, wire rope, mercury, and asbestos sufficient to ensure crew safety and regulatory compliance.
9. Knowledge of inspection procedures for high and low voltage electrical transmission, distribution and receiving station equipment, and water system electrical work, such as transformers, circuit breakers, and motors sufficient to meet regulatory requirements and identify maintenance needs.
10. Knowledge of welding, soldering, and brazing techniques such as transformer leads sufficient to install and repair electrical equipment.

28. SUPERVISION – Ability to assume direct responsibility for all aspects of the performance of a work group, which requires knowledge and/or ability in the areas of:

- Planning and goal setting
- Creating a safe and positive work environment
- Establishing standards and training employees
- Motivating employees and teambuilding
- Performance Management (assigning, monitoring, facilitating, reviewing and evaluating work, and providing feedback)
- Supporting and developing employees through delegation and participation
- Taking disciplinary action including progressive discipline
- Provisions of employees' MOU's and handling grievances
- Legal requirements including EEO, ADA, FLSA, FMLA, and Workers' Compensation provisions
- Civil Service Commission Rules and Policies related to the management of employees
- Administrative Code provisions related to the management of employees
- Budget processes sufficient to request and justify expenditures in a correct and timely manner

Level of Competency Required by Job:

- Level 1: Supervises small workgroup of employees performing the same or highly related work.
- Level 2: Supervises a larger workgroup of employees performing various types of work.**
- Level 3: Supervises employees including provision of coaching and advice to subordinate supervisors.

Examples of Behavioral Indicators:

- Plans, assigns, and monitors work progress.
- Trains employees to do work.
- Evaluates work and gives positive and negative feedback.
- Displays knowledge of legal requirements including applicable Federal and State laws, Administrative Code provisions, Civil Service Commission Rules and Policies, and MOU provisions.

Performance Levels:

Satisfactory

Proficiency in supervision sufficient to supervise a workgroup in terms of task orientation, interpersonal concerns, and personnel administration.

Superior

Proficiency in supervision sufficient to serve as a resource to others and/or represent department position in a public forum.

32. RESPONSIVENESS AND FOLLOW-UP – Executes actions as requested or to which a commitment has been made; continues involvement as needed.

Level of Competency Required by Job:

Level 1: Willingly accept job assignments and, upon completion, asks whether any other actions are necessary.

Level 2: Ensure that all job responsibilities are fulfilled within their designated timeframes. Willingly accept, and may volunteer for, additional assignments, but does not overextend. Anticipate and accommodate the need for continued involvement.

Level 3: *Ensure that staff and other resources are available (or can be made available) to reasonably allow for completion of work before making a commitment. If not, make adjustments to ensure completion of work or re-establish priorities and communicate to all involved parties. Recognize the probable need for continuation of some staff involvement beyond the designated timeframe to ensure success.*

Examples of Behavioral Indicators:

- Willingly accepts assignments and completes assigned work.
- Monitors “completed” work to determine whether additional issues to be addressed have arisen.
- Volunteers for assignments when able to assure their timely completion.
- Carefully considers available staff and resources, and competing priorities, before making commitments to complete additional work.

Performance Levels:

Satisfactory

Completes assigned work. Realistically appraises the likelihood of completing additional work before accepting or volunteering for it. Recognizes the usual need for follow-up once assignments are submitted.

Superior

Completes assigned work in an expeditious manner. Often ready to accept additional work or volunteer for it. Readjusts priorities and/or revises plans to maximize productivity. Diligently monitors the possible need for follow-up.

40. CREDIBILITY – Is truthful and sincere; objectively and clearly provides all pertinent information rather than being vague, omitting negative information or only stating what listeners “want to hear.”

Level of Competency Required by Job:

Level 1: Freely and openly share accurate job-related information with co-workers.

Level 2: Provide complete, accurate information to other City employees and members of the public.

Level 3: Represent department to the Mayors’ Office, City Council, City Commissions, and/or department heads, and/or to external organizations, professional associations, and/or the media.

Examples of Behavioral Indicators:

- Admits mistakes.
- Information provided is consistent (not contradictory or stating different things to different people).
- Answers questions directly and thoroughly.
- Shares credit for achievements.
- Acts in the best interest of the organization, not self interest.

Performance Levels:

Satisfactory

“Tells the complete story” from the onset. Is forthcoming with full information when questioned. Statements are consistent. Readily admits mistakes and gives credit to others.

Superior

Information provided is complete and accurate, and includes any negative information or information contrary to self interest. Does not attempt to be vague or put a “spin” on negative information to make it appear more positive.

53. LEADERSHIP – Influences others toward goal accomplishment.

Level of Competency Required by Job:

Level 1: Assume responsibility for operations or a situation when necessary. Direct the actions of others or otherwise ensure required actions are taken. Remain responsible until relieved or situation is resolved.

Level 2: Motivate others to continual activity focused on goal accomplishment. Provide clear objectives and articulate individual activities necessary to achieve them; ensure resources necessary to do so are available. Monitor work progress and provide feedback; assess results.

Level 3: Articulate a vision, convey it to others, and assign responsibilities (or assure they are assigned) for achieving it. Monitor progress, make adjustments as necessary, and evaluate results.

Examples of Behavioral Indicators:

- Evaluates circumstances, determining what needs to be done, and ensuring individual responsibility for performing specific actions is assigned.
- Follows-up to ensure that specific actions have been taken and overall objective has been accomplished.
- Clearly communicates objectives and responsibility/individual actions necessary to achieve them.
- Monitors work in progress, provides feedback to those involved, and makes adjustments to work plans/processes to ensure goal attainment.
- Evaluates completed work for quality, thoroughness, and effectiveness to determine whether re-work or additional work is required to meet intended objectives and to provide learning for future assignments.

Performance Levels:

Satisfactory

Assumes responsibility for work of others when required or necessary. Ensures actions taken to achieve objectives, and evaluates results to determine any follow-up needed.

Superior

Articulates vision/states clear objectives and assigns responsibility/motivates others toward achievement. Monitors progress; gives feedback; evaluates results; ensures follow-up.