

CLASSIFICATION TITLE Information Technology Specialist I	OFFICE/BRANCH/SECTION IT/IMD/Telecommunications Management Office	
WORKING TITLE Lead Systems Administrator	POSITION NUMBER 900-170-1402-007	REVISION DATE 11/12/2025

As a valued member of the Caltrans team, you make it possible to improve lives and communities through transportation.

GENERAL STATEMENT:

Under the direction of an Information Technology Supervisor II, the incumbent serves as a Lead Systems Administrator supporting the mobile and telecommunication infrastructure, which includes devices, equipment, and enterprise services related to managing the Department's mobile and telecommunication inventory. Incumbent provides support and performs as the Lead principle liaison for Program mobile telecom representatives and their respective mobile device inventories. The position is based in the Sacramento Headquarters office and provides statewide support, leadership, and expertise for Caltrans business units.

MAJOR FUNCTIONS:

The incumbent collaborates with management and provides leadership for the administrative and technical support for the Department's mobile and telecommunication devices and services. The incumbent performs complex activities of the System Development Life-cycle which includes systems: analysis, design, build, test, maintenance and operations. The incumbent supports and configures voice communications systems, this includes landlines/wireline, audio conferencing, data circuits, Voice Over Internet Protocol (VoIP), wired/wireless technologies, and resolves telecommunications (telecom) hardware and software problems. Coordinates data circuits and telecommunications services installations and changes with telecom vendors and Caltrans. The incumbent orders telecom equipment and services statewide via the Telecommunications Service Request Form (Form 20) and reviews billing, analysis, designs, builds, tests, maintenance and operations. Additionally, the incumbent provides support for all phases of telecommunication and Mobile device life cycle management including procurements, deployment, installation, configuration, maintenance and operations, and surplus. The incumbent collaborates with peers and management to update and recommend standards, processes and procedures, and technology practices. The incumbent tracks, monitors, and audits IT assets to maintain accountability using standard asset management tools and techniques in compliance with the State Administrative Manual and other applicable policies and regulations. The incumbent also performs functions including, but are not limited to, researching, writing, reporting, presenting, etc.

The incumbent performs a wide variety of tasks including; analysis, design, test, and implementation of mobile technologies and services including by not limited to cell phones, smart-phones and equipment.

DOMAINS:

System Engineering
Client Services

CORE COMPETENCIES:

As an Information Technology Specialist I, the incumbent is expected to become proficient in the following competencies as described below in order to successfully perform the essential functions of the job, while adhering to and promoting the Department's Mission, Vision, Values, Strategic Imperatives and Goals. Effective development of the identified Core Competencies fosters the advancement of the following Leadership Competencies: Change Commitment, Risk Appetite, Self-Development/Growth, Conflict Management, Relationship Building, Organizational Awareness, Communication, Strategic Perspective, and Results Driven.

- **Creativity and Innovation:** Thinks beyond the confines of traditional models to recognize opportunities, seek creative solutions and take intelligent risks. (Climate Action - Pride)
- **Dealing with Ambiguity (Risk):** Can comfortably handle risk and uncertainty, as well as make decisions to act without having the total picture. (Climate Action - Pride)
- **Reliability:** Ability to demonstrate dependability in meeting commitments, and providing a consistent work product. Takes responsibility for individual actions in order to meet deadline demands. (Climate Action - Innovation)
- **Problem-solving and Decision-making :** Identifies problems and uses logical analysis to find information, understand causes, and evaluate and select or recommend best possible courses of action. (Equity - Stewardship)
- **Teamwork/Partnership:** Develops, maintains, and strengthens partnerships with others inside or outside of the organization through effective communication and collaboration. (Climate Action - Integrity)
- **Customer Focus:** Considers, prioritizes, and takes action on the needs of both internal and external customers. (Employee Excellence - Equity)

POSITION DUTY STATEMENT

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- **Interpersonal Effectiveness** : Effectively and appropriately interacts and communicates with others to build positive, constructive, professional relationships. Tailors communication style based on the audience. Provides and is receptive to feedback. (Prosperity - Integrity)
- **Forward Thinking**: Anticipates the implications and consequences of situations and takes appropriate actions to be prepared for possible contingencies. Anticipates and prepares for future developments. (Climate Action - Innovation)
- **Technical Expertise**: Depth of knowledge and skill in a technical area. (Employee Excellence - Stewardship)

TYPICAL DUTIES:

Percentage Essential (E)/Marginal (M) ¹		Job Description
30%	E	<p>Systems Maintenance and Operations</p> <p>The incumbent leads one or more teams in performing health checks on systems, monitoring systems for proper operations; performing systems upgrade, managing and re-mediating security vulnerabilities and threats; troubleshooting and resolving very complex system anomalies; developing, maintaining and following established technology practices, processes and procedures for incident management, Monthly Scheduled Maintenance; developing and maintaining Systems Maintenance Manuals.</p>
25%	E	<p>Systems Analysis</p> <p>The incumbent leads one or more teams and/or projects; organizes, plans, documents and analyzes business and technical requirements; develops System Requirements Specifications; analyzes, troubleshoots, resolves and reports systems anomalies; performs research, evaluates products and makes recommendation for adoption; produces specifications and bill of materials for purchase requisitions.</p>
15%	E	<p>Systems Build</p> <p>The incumbent leads one or more teams in performing systems installation and configuration systems/ applications in various compute environments including development, test, staging and production; developing, maintaining and following established technology practices, processes and procedures for configuration management, change management and release management.</p>
10%	E	<p>Systems Test</p> <p>The incumbent leads one or more teams in organizing, planning and developing test use cases and System Test Specifications; collaborates with stakeholders on systems test activities including planning, testing, reporting and correcting problems found during the test phase of the system development life cycle; develops, maintains and follows established technology practices, processes and procedures for unit testing, system testing, performance testing, etc.</p>
10%	E	<p>Systems Design</p> <p>The incumbent leads one or more teams in systems design activities associated with solution architecture and infrastructure for business and technical problems, performs system modeling and prototyping to provide effective design solutions, develops System Design Specifications to meet business and technical requirements.</p>
5%	M	<p>The incumbent leads in analysis, research and reports findings as necessary.</p>
5%	M	<p>The incumbent will perform other duties in the specified domain(s) as needed.</p>

¹ESSENTIAL FUNCTIONS are the core duties of the position that cannot be reassigned.
MARGINAL FUNCTIONS are the minor tasks of the position that can be assigned to others.

SUPERVISION OR GUIDANCE EXERCISED OVER OTHERS

The incumbent has no direct supervisory responsibilities. However, this position may require the incumbent to lead small to mid-size teams to achieve common goals and objectives.

KNOWLEDGE, ABILITIES, AND ANALYTICAL REQUIREMENTS

Knowledge of: Information technology governance principles and guidelines to support decision making; complex and mission critical business processes and systems; principles, methods and procedures for designing, developing, optimizing, and integrating systems in accordance with best practices; system specifications design, documentation, and implementation methodologies and techniques.

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RESPONSIBILITY FOR DECISIONS AND CONSEQUENCES OF ERROR

The incumbent must exercise good judgment, analyze problems, and take appropriate action. Poor decisions or recommendations could result in significant losses of departmental efficiencies through unnecessary delays, loss of data, equipment damage, loss of employee productivity, and user dissatisfaction.

PUBLIC AND INTERNAL CONTACTS

The incumbent will have frequent contacts with managers and staff in Caltrans, IT managers throughout the state, private consultants, and vendor representatives concerning the needs and development of IT systems. The incumbent may initiate contacts with other departments, governmental agencies, or private companies concerning IT technology related to the performance of this position.

PHYSICAL, MENTAL, AND EMOTIONAL REQUIREMENTS

The incumbent may be required to sit for long periods of time using a keyboard, video display terminal and telephone and may be required to lift and move supplies and equipment from one location to another. The incumbent must be able to walk between multiple State buildings and have a thorough knowledge of Caltrans building locations. This is a fast-paced job with a lot of deadlines. Thus, the incumbent in this position will be required to multi-task, be open to change, adapt to changes in priorities and policies, and to complete tasks or projects with short notice. The incumbent must be able to sustain mental activity needed for problem solving which includes reading, writing, analyzing, understanding, interpreting, consulting, developing alternatives, drawing sound conclusions, and recommending, implementing and evaluating solutions. The incumbent must be able to exercise sufficient control over emotions to gain and maintain the confidence and respect of others, recognizing and acknowledging emotionally charged issues or problems and responding appropriately to them.

WORK ENVIRONMENT

This position may be eligible for telework. The amount of telework is at the discretion of the Department and based on Caltrans's evolving telework policy. Caltrans supports telework, recognizing that in-person attendance may be required based on operational needs. Employees are expected to be able to report to their worksites with minimum notification if an urgent need arises. The selected candidate will be required to commute to the headquartered location as needed to meet operational needs. Business travel may be required, and reimbursement considers an employee's designated headquartered location, primary residence, and may be subject to CalHR regulations or applicable bargaining unit contract provisions. All commute expenses to the headquartered location will be the responsibility of the selected candidate.

If not working remotely, the employee will work in a climate-controlled office under artificial lighting using a personal computer. The employee may be required to work for extended periods of time in a computer room that maintains an approximate temperature of 70 degrees. The employee may be required to travel. When available, a State vehicle will be provided. Possession of a valid driver's license is required when operating a State owned or leased vehicle. If the employee utilizes their own personal vehicle, they may be reimbursed for travel expenses. Some weekend or after-hours may be required. The employee must carry a cell phone and respond to calls after hours.

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I have read, understand and can perform the duties listed above. (If you believe you may require reasonable accommodation, please discuss this with your hiring supervisor. If you are unsure whether you require reasonable accommodation, inform the hiring supervisor who will discuss your concerns with the Reasonable Accommodation Coordinator.)

I agree that by providing my electronic signature for this form, I agree to conduct business transactions by electronic means and that my electronic signature is the legal binding equivalent to my handwritten signature. I hereby agree that my electronic signature represents my execution or authentication of this form, and my intent to be bound by it.

EMPLOYEE (Print)

EMPLOYEE (Signature)	DATE
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I have discussed the duties with, and provided a copy of this duty statement to the employee named above.

SUPERVISOR (Print)

SUPERVISOR (Signature)	DATE
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