



STATE OF ALASKA
COMPETENCY SPECIFICATION

Occupational Group: LABOR, TRADES AND CRAFTS

Occupational Family: *Safety Inspection and Compliance*
996X

CAREER AREA:

<i>Occupational Safety Compliance Officer</i>	9961-49
<i>Electrical Inspector</i>	9962-49
<i>Elevator Inspector</i>	9964-49
<i>Plumbing Inspector</i>	9966-49

Definition: Performs inspections and investigations of workplaces for occupational safety compliance or functions as a specialty inspector to assure compliance with applicable trade and building codes.

Levels:

ADVANCED JOURNEY: Work routinely requires the resolution of unusual, difficult or exceptional issues by developing or modifying approaches, methods or techniques.

996x-49 This is the specialized, proficient level capable of assessing compliance with the various codes, standards and practices relating to the assigned inspection specialty. Positions conduct scheduled inspections, investigate accidents or complaints of unsafe conditions, and prepare comprehensive inspection reports to document hazards and/or building systems that are out of compliance and to inform employers, contractors and workers of necessary corrective measures.

Essential Core Competencies: “Common or typical” to the career area and required as appropriate to the specific position. *These are included in the position description and performance evaluation review process*

Safety Inspection & Compliance
core

Knowledge of

- inspection and citation procedures related to the assigned inspection function
- case file preparation and administrative hearing and court procedures

Ability to

- observe and analyze the job environment or building systems installation to determine if code violations are present
- assist in preparing cases for prosecution
- testify as expert witness at administrative review and judicial proceedings
- understand, interpret and apply regulations related to the work
- evaluate a variety of interrelated information involving existing and/or potential hazards related to the assigned area of inspection and determine the best course of action

- write reports and maintain records which may require use of a computer
- communicate and consult effectively with agency representatives, officials, employers, workers and the public who may be angry and inconvenienced
- work cooperatively and effectively as a team member
- react effectively in emergency and disaster situations
- effectively self-manage time and priorities to schedule workload

JOURNEY level workers will be required to meet the following

TO:

- have the required skills to handle difficult problems encountered
- have comprehensive knowledge of the subject or occupational area
- use judgment in determining actions
- exercise independence in determining actions
- plan and lay out work (i.e. determine how to do one's own work)
- make appropriate choice among alternatives
- complete work with only limited instruction and/or little or no advice
- proceed with work without having results or products generally reviewed in progress

ABOVE JOURNEY / ADVANCED level worker encompasses **in addition** the requirement

TO:

- complete unusually difficult work
- adapt and modify procedures, operations or processes required to complete the work
- work in absence of available or applicable guidelines
- consistently apply skills of a higher level of difficulty required of the journey

Technical Competencies and Certifications as specified for unique career area:

CORE:

- Alaska Driver's License

SPECIFIC:

Knowledge of

- State and federal Occupational Safety and Health codes and standards and governmental
- regulations related to occupational safety
- chemical, combustible, electrical and liquid petroleum fire hazards
- uniform plumbing code
- swimming pool, spa and hot tub codes
- uniform solar energy code
- uniform building code
- uniform mechanical code
- uniform fire code
- national electrical code
- national electrical safety code
- national electrical trade practices
- underwriters laboratory standards

- work methods, practices and equipment used in one or more of the following industries
- construction
 - logging
 - manufacturing
 - seafood processing
 - oil and gas extraction

Ability to

- perform equipment safety checks, identify problems and determine appropriate actions
- review blueprints, plans and construction information to evaluate compliance with codes and sound construction practices
- issue cease and desist orders or misdemeanor citations to unlicensed contractors and workers, or refer questionable cases for further investigation as appropriate
- determine if hazards or code violations constitute imminent danger and determine the appropriate course of action within established guidelines
- develop and present training and seminars related to codes and safety regulatory issues

Specialized certificates may be required for individual positions:

- Certificate of fitness as a journey electrician or power lineman
- Certificate of fitness as a journey plumber
- Certification by the National Association of Elevator Safety Authorities
- Certification by the National Association of Amusement Ride Safety Officials

Environmental Conditions and Physical Requirements:

Exposure to

- extremes of high and low temperatures
- falling objects
- flammable gas and explosive materials
- hazardous chemicals, materials
- high places
- high voltage electricity
- inclement weather conditions
- loud noise
- moving vehicles, equipment, machinery and tools
- sharp objects or shear points
- slippery and insecure surfaces
- toxic dust and fumes
- unsanitary conditions, such as raw sewage

Ability to perform medium physical exertion to include lifting, bending, carrying, pushing, pulling and climbing

Equipment:

- Documentation
 - cameras and video equipment

- Electrical inspection devices
 - circuit testers
 - amp testers
 - volt/ohm meters

- Air sampling devices
 - chemical indicators
 - detector tubes
 - direct reading instruments
 - explosive meters
 - flammable vapor meters
 - gas chromatograph
 - hydrogen sulfide meters
 - organic vapor analyzer
 - oxygen level meters
 - pumps
 - ventilation meters

- Elevator equipment and tools

- Environmental assessment devices
 - heat stress monitors
 - light meters
 - radiation instruments
 - sound meters

- Measuring devices
 - PSI gauges
 - pH testers
 - wire rope gauge
 - tach/speed meter

- Personal protection equipment
 - respirators
 - safety glasses
 - suits

Plumbing
 backflow prevention test equipment

Other

Orig: LTC Study 07/01/99 (JKE)

Previous history: Class codes; P9352-50; P9361-50; P9930-50; P9940-50