REVISED EXAMINATION ANNOUNCEMENT

EXAM TITLE: FIRE APPARATUS ENGINEER PARAMEDIC
EXAM CODE: 9FS04
EXAM BASE: OPEN
DEPARTMENT: DEPARTMENT OF FORESTRY AND FIRE PROTECTION
FINAL FILING DATE: APRIL 18, 2019*

The bulletin announcing the above examination has been amended as follows:

*The final filing date has been extended to APRIL 18, 2019. Applications postmarked after APRIL 18, 2019 will NOT be considered for this examination.

Dates printed on Mobile Bar Codes, such as the Quick Response (QR) Codes available at the USPS, are not considered Postmark dates for the purpose of determining timely filing of an application.
**FIRE APPARATUS ENGINEER (PARAMEDIC)**

Exam Code: 9FS04

**DEPARTMENT(S):** Department of Forestry & Fire Protection

**OPENING DATE:** March 13, 2019

**FINAL FILING DATE:** April 18, 2019

**EXAM TYPE:** OPEN

**SALARY:** $4,300.00 - $5,182.00

**LOCATIONS:** Statewide

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**EQUAL EMPLOYMENT & DRUG FREE STATEMENTS**

The State of California is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right to family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, race, religious creed, sex (includes pregnancy, childbirth, breastfeeding and related medical conditions), and sexual orientation.

It is an objective of the State of California to achieve a drug-free state work place. Any applicant for State employment will be expected to behave in accordance with this objective, because the use of illegal drugs is inconsistent with the law of the state, the rules governing civil service, and the special trust placed in public servants.

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**SALARY INFORMATION**

This classification is eligible for the following pay:

- $4,300 - $5,182 Base Salary (paid every month)
- $2,139 - $2,671 Extended Duty Week Compensation (paid every 4 weeks)
- $250 - $6,000 Paramedic Bonus (paid every November; amount based on months worked)
In addition to the above pay items, employees are eligible for medical benefits (health, dental, vision) and may be eligible for other pay differentials.

WHO CAN APPLY

Persons who meet the minimum qualifications of the classification, as stated on this examination bulletin. All applicants must meet the experience requirements by the written test date unless otherwise noted on the class specification.

SPECIAL TESTING ARRANGEMENTS

If you have a disability and need special testing arrangements, mark the appropriate box on the application and/or contact the Department of Forestry and Fire Protection at (916) 445-7824.

HOW TO APPLY

To apply for this examination, please complete and return the following:

- **Examination/Employment Application (STD.678).** This can also be found on the California Department of Human Resources’ website. You may submit your application by mail or in person.

- A photocopy of your paramedic license or proof of enrollment in an approved paramedic training program within five (5) months of completion

**SUBMIT BY MAIL:**
Department of Forestry and Fire Protection
P.O. Box 944246
Sacramento, CA 94244-2460
Examination Unit – (Attn: Alisha Dillon)

**SUBMIT IN PERSON:**
Department of Forestry and Fire Protection
1300 U Street
Sacramento, CA 95818
Examination Unit – (Attn: Alisha Dillon)

**DO NOT SUBMIT APPLICATIONS VIA E-mail**
Applications postmarked or personally delivered after the final filing date, April 18, 2019 will not be accepted for any reason.

All applications/resumes must include “from” and “to” employment dates (month/day/year), time base, and applicable civil service class titles. Applications/resumes received without this information will be rejected.

*Dates printed on Mobile Bar Codes, such as the Quick Response (QR) Codes available at the USPS, are not considered Postmark dates for the purpose of determining timely filing of an application.*

**EXAMINATION INFORMATION**

To obtain a position on the eligible list, applicants must receive a minimum rating of 70% on the examination. *This exam will consist of the following*:

**WRITTEN EXAMINATION**

The written examination consists of a set of job-related multiple-choice questions in the following categories:

- Grammar, Punctuation and Spelling
- Fire Prevention and Investigation
- Emergency Operations
- Station Management
- Reading Comprehension
- Understanding and Using Maps
- Arithmetic
- Medical
- Medical Legal
- Infection Control
- Pharmacology
- Trauma

It is anticipated that the written examination will be held in Riverside, Sacramento, Fresno, Santa Rosa & Redding in May 2019

**PERFORMANCE TEST**

Performance tests will be conducted in a manner consistent with National Registry. Any study information can be found at National Registry Website.

It is anticipated that the performance test will be held in Riverside and Sacramento in June 2019.
NOTE: Locations of performance exams may be limited or extended as conditions warrant.

All exam questions are based on the Knowledge, Skills and Abilities listed in this bulletin and the FAE (P) Class Specification which is located on the CAL HR website.

CANDIDATES WHO DO NOT APPEAR FOR THE WRITTEN AND/OR PERFORMANCE EXAMINATION WILL BE DISQUALIFIED.

MINIMUM QUALIFICATIONS

Possession of a valid driver license of the appropriate class issued by the Department of Motor Vehicles. Applicants who do not possess the license will be admitted to the examination but must secure the license prior to appointment.

AND

Possession of a current Emergency Medical Technician-Paramedic (EMT-P) certificate issued by a California County Health Officer or enrollment in an approved paramedic training program within five months of completion. (Proof of paramedic license applicable to the county of employment will be required prior to appointment.) and

Experience:

EITHER “I”

Eight months of firefighting experience. (Candidates who are within two months of satisfying the experience requirement will be admitted to the examination, but they must meet the experience requirement before being eligible for appointment.)

OR “II”

Enrollment in the California Fire Fighter Joint Apprenticeship Committee Preapprenticeship Outreach Program.

and

Eight months of firefighting experience.

OR “III”

Two years of experience as a certified volunteer fire fighter.

OR “IV”
Two years of experience as a Fire Prevention Specialist II and successful completion of the mandatory training courses prescribed for a Department of Forestry and Fire Protection Fire Fighter I

ADDITIONAL DESIRABLE QUALIFICATIONS – PERSONAL CHARACTERISTICS

Education equivalent to completion of the twelfth grade.

Willingness to have distant visual acuity (Snellen) of not less than 20/100 without corrective lenses in each eye, separately corrected to not less than 20/40 in one eye with corrective lenses; distant binocular acuity (Snellen) of at least 20/40 in one eye with or without corrective lenses; color vision adequate to successfully perform the job as measured by the Ishihara Pseudo-Chromatic Plate Test or for persons failing the Ishihara, the Farnsworth D-15 Arrangement Test; hearing adequately within speech frequencies (uncorrected); full use of both hands and both feet; physical strength and agility; weight in proportion to height; no more than a mild reaction to poison oak; emotional stability and sensitivity to needs of injured persons and their families; patience, tact, alertness and keenness of observation; render medical care to those in need; render Basic and/or Advanced Life Support in remote areas; cooperate with others; be exposed to graphic and/or traumatic situations; make decisions under stress; work in hazardous conditions; work around medical biohazards with proper personal protective equipment; respect sensitive situations and maintain confidentiality; remain calm when confronted by the public; calm emotionally distressed or distraught patients, victims, relatives, friends, co-workers, and spectators at an incident; assess situations and make immediate decisions under emergency conditions; participate in Department required training to satisfy requirements and develop knowledge and skills; perform in high places; remain on duty as necessary or as emergency circumstances require; maintain Department grooming standards; be exposed to medical hazards; perform other duties as required; work in remote locations; receive direction from subordinates during an incident; enter confined spaces; be exposed to hazardous materials; work long and irregular hours including weekends and holidays; to remain on duty 24 hours a day as required.
ELIGIBLE INFORMATION

A Departmental eligible list will be established for the Department of Forestry and Fire Protection. This list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.

REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION

Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination AND the notice to appear showing the scheduled date and time of the exam.

POSITION DESCRIPTION

Fire Apparatus Engineer (Paramedics) drive and operate fire apparatus during wildland and structural firefighting operations; lead an assigned crew in the performance of firefighting duties; maintain and make minor repairs on vehicles, equipment, and fire stations; perform fire prevention tasks; part of a paramedic team; and perform paramedic duties in emergency medical situations.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of:

1. Lookouts, Communication, Escape Routes, Safety Zones (LCES) to mitigate incidents safely.
2. Wildland firefighting safety rules of engagement for safe operations.
3. Factors affecting wildland fire behavior to ensure safe and effective operations.
4. Principles and practices of emergency medical procedures to safely respond to and render medical aid.
5. Patient assessment to effectively treat patients at the Basic Life Support (BLS) level.
6. Emergency scene safety practices to ensure the safety of the public and emergency response personnel.
7. Principles of fire suppression to safely and effectively mitigate an incident.
8. Basic fire behavior to identify the most effective extinguishing methods.
9. Fire suppression practices and procedures for various types of fire to safely and effectively mitigate an incident.
10. Emergency operations to mitigate incidents in a safe and efficient manner.
11. Life hazard notification policies to ensure firefighter safety.
12. Rescue, Exposure, Confinement, Extinguishment, Overhaul (RECEO) with salvage and ventilation procedures to effectively mitigate the incident.
13. Occupational Safety and Health Agency policies to ensure personnel safety and compliance with State and Federal law.
14. Wildland-urban interface strategies and tactics for structure defense to safely and adequately defend life, property, and resources.
15. Safety precautions to provide protection from communicable diseases.
16. Patient triage procedures and techniques to ensure appropriate treatment is administered.
17. Fire tools and equipment to ensure proper use and maintenance.
18. Fire apparatus and their capabilities for effective use and maintenance.
19. Incident accountability techniques to ensure personnel safety.
20. Rescue/extrication equipment to safely and effectively remove entrapped victims.
21. Basic vehicle maintenance and repair to ensure safety and operational readiness.
22. Fire ground hydraulics to provide safe and effective water use.
23. Mobile communication devices for effective communication.
24. Fire service ladders to ensure operational readiness and personnel and public safety.
25. Maintenance and operation of Department mobile equipment to ensure safe and effective utilization.
26. Building construction to determine appropriate fire suppression tactics and ensure firefighter safety.
27. Fire hose types to ensure appropriate use in fire suppression and other activities.
28. Rescue/extrication techniques to safely and effectively remove entrapped victims.
29. Structural chainsaw operations to ensure life, safety, and compliance with Department Chainsaw policy.
30. Various terminology to communicate effectively.
31. Hazardous material incident operations to analyze the situation and determine the appropriate actions to safely minimize and/or mitigate an incident.
32. Firing tools and equipment used during fire activities for safe and effective fire operations.
33. Extinguishing agents and their appropriate application during fire suppression.
34. Reference materials to ensure firefighter safety and survival.
35. Wildland chainsaw operations for fire control and firefighter safety per National Wildfire Coordinating Group (NWCG) and Department policy.
36. Specialized rescue procedures to safely and effectively rescue entrapped victims.
37. State-wide radio call plan to effectively communicate with Emergency Command Centers and other emergency responders.
38. Fire protection systems for preplanning and fire suppression.

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39. Weather observation tools and techniques to obtain location specific weather information.
40. Navigational aids for assistance in navigation and mapmaking.
41. Fire hose maintenance to ensure operational readiness and firefighter safety.
42. Tactics and techniques used in aerial firefighting to assist in fire suppression activities.
43. Applicable Department policies and procedures for effective job performance.
44. Federal, state, and local regulations affecting emergency plans to ensure personnel are in compliance during emergency operations.
45. Hazardous material incident command structure to safely mitigate an incident.
46. Department forms for effective job performance.
47. Various fire cause classifications for statistical and investigative purposes.
48. Departments’ and cooperating agencies’ communications systems to allow effective communications between agencies.
49. Fire prevention principles and practices to prevent fires and provide fire safety.
50. Direct Protection Areas to accurately and adequately suppress and manage incidents.
51. Hazardous material storage to ensure environmental safety and compliance with local, State, and Federal laws.
52. Helicopters and helitack equipment capabilities for use in air operations.
53. Agency responsibility as it relates to fiscal accountability.
54. Helicopter and helitack safety procedures to ensure the safety of personnel.
55. Fixed wing aircraft capabilities and limitations to assist with aerial firefighting suppression activities.
56. Fixed wing safety procedures to ensure the safety of personnel.
57. Basic construction for appropriate maintenance and project completion.
58. Mathematic calculations for effective job performance.
59. Pharmacology as appropriate for patient care and scope of practice.
60. Basic Life Support and Advanced Life Support airway adjuncts and techniques used on patients during medical and traumatic emergencies.
61. Advanced Life Support (ALS) standards to ensure proper patient care.
62. Basic human anatomy for effective treatment of patients during medical emergencies.
63. Use of safety gear to ensure compliance with safety rules, regulations, and personal safety.
64. Proper uses and abilities of transport resources to ensure patient is provided proper transport to appropriate medical facility.
65. Accepted command systems for proper organization and structure.
66. Controlled substance management to ensure Drug Enforcement Administration (DEA) compliance.
67. Standard response plans for appropriate response to an incident.
68. Decontamination techniques used to minimize the spread of communicable diseases following an incident.
69. Health Information Portability and Accountability Act (HIPPA) laws, rules, and regulations to ensure compliance and information security. California Code of Regulations (CCR) Title 22, Division 9 pertaining to Emergency Medical Services (EMS).
70. Writing elements to ensure that written materials are complete, concise, and error-free.
71. Continuous Quality Improvement (CQI) standards to ensure proper patient care and document trending of patient care.
72. Ryan White Act in the event of an actual and/or potential communicable disease exposure to ensure appropriate policies and procedures are followed according to Department standards.
73. Applicable codes, laws, rules and regulations to ensure appropriate application in all administrative and firefighter activities.

Skill to:

1. Operate Self Contained Breathing Apparatus (SCBA) equipment for effective operation and use.
2. Safely drive and operate emergency equipment through adverse conditions.
3. Perform arduous physical activity while carrying equipment in all conditions and terrain for effective job performance.
4. Operate medical devices to render medical aid.
5. Operate firefighting equipment for safe and effective use during fire suppression and training.
6. Operate various types of ladders for safe and effective operation and performance.
7. Use extrication tools and equipment to effect rescue pinned or trapped victims.
8. Multi-task during emergency and non-emergency situations.
9. Speak to others in English to effectively convey information at the high school graduate level.
10. Manipulate various tools for safe and effective use.
11. Construct a fire line using tools to limit fire spread in various fuel types and conditions.
12. Use communication equipment for effective communication in emergency and non-emergency situations.
13. Tie knots to prepare victims, personnel, or equipment for movement and rescue.
14. Use navigation tools for assistance in navigation and mapmaking.
15. Produce written correspondence in English at the high school graduate level to effectively convey information.
16. Perform and adhere to the California State Paramedic scope of practice.
17. Render basic/advanced medical aid to stabilize patients.
18. Operate resuscitator and/or bag valve mask to individuals having difficulty breathing and in respiratory failure.
19. Read and comprehend information at the high school graduate level to effectively interpret information.

Ability to:

1. Recognize life safety hazards and make appropriate decisions for resolution.
2. Adequately administer emergency medical care to ill or injured persons.
3. Communicate effectively in stressful situations.
5. Properly manage a firefighter emergency on incidents.
6. Perform arduous physical activity for extended periods of time.
7. Recognize the characteristics of fire behavior to ensure firefighter and public safety.
8. Recognize the characteristics of smoke.
9. Analyze situations for development and implementation of an effective course of action during emergency and non-emergency situations.
10. Lead personnel in emergency and non-emergency situations.
11. Safely use and maintain firefighting tools and equipment.
12. Communicate effectively using a variety of terminology.
13. Use mobile communication devices for effective communication.
15. Read and interpret maps.
16. Perform preventative maintenance on mobile equipment.
17. Assist in personnel functions.
18. Conduct and document defensible space inspections according to Public Resource Code 4291.
19. Administer the correct medication appropriately in a given situation.
20. Administer Cardiovascular Pulmonary Resuscitation (CPR) and/or standard first aid in medical emergencies.
21. Recognize the critically ill or injured.
22. Administer oxygen to ill or injured patients in medical emergencies.
23. Check vital signs of patient to determine whether circulation and respiration are functional and adequate.
24. Assess and administer the appropriate level of care during medical emergencies.
25. Communicate effectively in stressful situations.
26. Place patient on gurney, assisted by another person, for transport to proper medical facility.
27. Properly manage a firefighter emergency on incidents.
28. Communicate effectively in English at the high school graduate level.
29. Accurately interpret and follow directions from others.
30. Recognize sensitive situations to maintain confidentiality.
31. Communicate effectively using a variety of terminology.
32. Instruct others in emergency and non-emergency situations.
33. Prioritize workload for effective job performance.
34. Prepare clear and concise reports.
35. Manage emergency incidents according to established procedures.
36. Solve mathematical problems at the high school graduate level.
37. Read and interpret reference materials for effective application.
38. Interpret applicable medical codes, laws, rules and regulations to ensure appropriate application in all administrative and firefighter activities.
39. Ensure the wellbeing of personnel by following the Department’s Critical Incident Stress Management (CISM) policies and procedures.
40. Analyze and assess effectiveness of emergency medical services care.
41. Act as a liaison between cooperating emergency medical services agencies.
VETERANS’ PREFERENCE

Veterans’ Preference will be granted for this examination, pursuant to Government Code section 18973.1, effective January 1, 2014 as follows: 1) Any veteran, widow or widower of a veteran, or spouse of a 100 percent disabled veteran, who achieves a passing score in an entrance examination, shall be ranked in the top rank of the resulting eligibility list. Any veteran who has been dishonorably discharged or released is not eligible for Veterans’ Preference. 2) An entrance examination is defined, under the law, as any open competitive examination. And 3) Veterans’ Preference is not granted once a person achieves permanent civil service status. Veteran status is verified by the California Department of Human Resources (CalHR). Directions to apply for Veterans’ Preference are on the Veterans’ Preference Application (Std. Form 1093), which is available at CAL HR Veterans Information, and the Department of Veterans Affairs.

CONTACT INFORMATION

Department of Forestry and Fire Protection
P.O. Box 944246
Sacramento, California 94244-2460
(916) 445-7824
CALFIREexams@fire.ca.gov

TDD is Telecommunications Device for the Deaf and is reachable only from phones Equipped with a TDD Device
1 (800) 735-2929 (TT/TDD) 1 (800) 735-2922 (Voice)
STS is Speech-to-Speech Service for persons with a speech disability and is reachable at
1 (800) 854-7784 (California) or 1 (800) 947-8642 (Nationwide)

GENERAL INFORMATION

For all examinations (with or without a written feature), it is the candidate’s responsibility to contact the Department of Forestry and Fire Protection, (916) 445-7824, three weeks after the cut-off/final filing date if he/she has not received a progress notification or notice to appear.

If a candidate’s notice of oral interview or performance test fails to reach him/her three days prior to their scheduled appointment due to a verified postal error, he/she will be rescheduled upon written request.
Examination Locations: When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. However, locations of interviews or performance evaluations may be limited or extended as conditions warrant.

Applications are available online at CalHR, local offices of the Employment Development Department and the testing Department on this job bulletin.

If you meet the requirements stated on this bulletin, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. Your performance in the examination will be compared with the performance of the others who take this test, and all candidates who pass will be ranked according to their scores.

The Department of Forestry and Fire Protection reserves the right to revise the examination plan to better meet the needs of the service, if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history and fingerprinting may be required.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) Departmental promotional, 3) multi-Departmental promotional, 4) service-wide promotional, 5) Departmental open, 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on the bulletin.

If High School Equivalence is Required: Equivalence to completion of the 12th grade may be demonstrated in any one of the following ways: 1) passing the General Educational Development (GED) Test; 2) completion of 12 semester units of college work; 3) certification from the State Department of Education, a local school board, or high school authorities that the candidate is considered to have education equivalent to graduation from high school; 4) for clerical and accounting classes, substitution of business college work in place of high school on a year-for-year basis.

How to apply for Veterans’ Preference: The California Department of Human Resources (CalHR) has information on how to apply for Veterans’ Preference at CAL HR Veterans Information, and the Application for Veterans’ Preference Application for (CalHR 1093). Additional information is also available on the Department of Veterans Affairs website.

Confidentiality and Security: Pursuant to Government Code Sections 19680(c) and 19681(b) it is unlawful to copy and/or furnish confidential examination material for the purpose of either improving or injuring the chances of any person or to obtain EXAM BULLETIN – FIRE APPARATUS ENGINEER (PARAMEDIC) EXAM CODE – 9FS04 FINAL FILING DATE 04/18/19
examination questions or other examination material before, during, or after an examination. Every person violating these provisions is guilty of a misdemeanor, and adverse action will be pursued. This may result in the person being barred from competition in future examinations, withheld from certification lists, or cancellation of eligibility for employment in State civil service.