

REVISED EXAMINATION ANNOUNCEMENT

OCTOBER 5, 2020

EXAM TITLE: FORESTRY FIRE PILOT
EXAM CODE: 0FS16
EXAM BASE: OPEN
DEPARTMENT: DEPARTMENT OF FORESTRY AND FIRE PROTECTION
FINAL FILING DATE: **OCTOBER 20, 2020***

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

*The final filing date has been extended to **OCTOBER 20, 2020**. Applications postmarked after **OCTOBER 20, 2020** 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.



FORESTRY FIRE PILOT

Exam Code: 0FS16

DEPARTMENT(S): Department of Forestry & Fire Protection
OPENING DATE: August 10, 2020
FINAL FILING DATE: October 20, 2020
EXAM TYPE: OPEN
SALARY: \$5,916.00 - \$7,608.00
LOCATIONS: Statewide

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.

WHO CAN APPLY

Persons who meet the minimum qualifications of the classification, as stated on this examination bulletin. All applicants must meet the education and/or experience requirements by the final filing date of **October 20, 2020** unless otherwise noted on the class specification.

If you have previously taken the Forestry Fire Pilot examination you are not eligible to retake it for six (6) months.

SPECIAL TESTING ARRANGEMENTS

If you have a disability and need special testing arrangements, mark the appropriate box on the application and you **MUST** submit the [Accommodation Request Form \(STD. 679\)](#) with your application. This can also be found on the California Department of Human Resources website.

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.*
- [Pilot in Command Flight Hours Supplemental](#). This document needs to be filled out completely and returned with your State Application.

SUBMIT BY MAIL:

Department of Forestry and Fire Protection
710 Riverpoint Court
West Sacramento, CA 95605
Examination Unit – (Attn: Elena Villegas)

DO NOT SUBMIT APPLICATIONS VIA E-mail

Applications postmarked or personally delivered after the final filing date, **October 20, 2020** 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:*

STRUCTURED INTERVIEW (QUALIFICATIONS APPRAISAL PANEL) WEIGHTED AT 100%

In this type of exam candidates will be asked pre-determined, job-related questions by a three-person panel and rated against pre-determined benchmarks. Candidates will be provided with scratch paper and a pencil.

It is anticipated interviews will be held in **October/ November 2020.**

CANDIDATES WHO DO NOT APPEAR FOR THE STRUCTURED INTERVIEW EXAMINATION WILL BE DISQUALIFIED.

MINIMUM QUALIFICATIONS

Possession of the following certificates:

NOTE: YOU MUST PROVIDE COPIES OF THE FOLLOWING CERTIFICATES NOTED IN NUMBERS 1 THROUGH 3 BELOW.

- 1.** A valid Federal Aviation Agency (FAA) Commercial Airman Certificate with rotorcraft-helicopter rating or a valid FAA Airline Transport Pilot's Certificate with a rotorcraft- helicopter rating. **And**
- 2.** A valid and current Class II Airman's Medical Certificate issued by an FAA authorized medical examiner. **And**
- 3.** A valid driver license of the appropriate class issued by the Department of Motor Vehicles. Applicants who do not possess this license will be admitted to the examination but must secure the license prior to appointment.

AND

Experience: Applicants must have logged at least 2,000 hours of pilot-in-command flying helicopters, which must include the following:

- 1.** At least 500 hours of mountain pilot-in-command helicopter flight time, routinely making landings in mountainous terrain above 4,000 feet MSL.
- 2.** At least 500 hours of turbine helicopter time as pilot-in- command.
- 3.** Two hundred and fifty hours as pilot-in-command of helicopters performing low level missions in fire control, map survey, powerline patrol, search and rescue, and spray or seeding operations over mountain or forested or comparable military operations.
- 4.** At least 100 hours as pilot-in-command in helicopters carrying sling loads.
- 5.** At least 50 hours as pilot-in-command in helicopters in the past year.

NOTE: YOU MUST SHOW THE ABOVE INFORMATION ON THE PILOT IN COMMAND (PIC) ATTACHMENT AND MAY BE SUBJECT TO VERIFICATION FOR THE APPLICATION REVIEW PROCESS

ADDITIONAL DESIRABLE QUALIFICATIONS

Forest-firefighting experience with helicopters is desirable

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

Under general direction, throughout the State, to pilot a helicopter over all types of terrain; to assist in all aspects of fire prevention, suppression, and vegetation management; to perform required preventive maintenance on helicopters; and to do other related work.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of:

1. Low-level tactical flying in hazardous terrain (e.g., confined areas, pinnacles, mountains) to fight fires, obtain water, and conduct reconnaissance, search and rescue, and external load operations.
2. Helicopter performance and limitations in all environments (e.g., high altitude, maximum gross weight, high temperatures) to operate the aircraft efficiently and safely.
3. Helicopter systems and related emergency procedures required to respond to a system failure or an in-flight emergency. Understanding of helicopter systems to safely operate the aircraft.
4. Of helicopter systems (e.g., electrical systems, hydraulics, turbine engines) to safely operate the aircraft.

5. Commercial pilot level of Federal Aviation Regulations as they relate to flight operations.
6. The commercial pilot level of aeronautical principals (e.g., aerodynamics, weight and balance, stability and control) as it applies to safe flight performance.
7. Required licenses and certificates to maintain Department and Federal Aviation Administration certifications.
8. Off-airport operations (e.g., unimproved landing areas, slopes, hazards) to safely deliver crews, supplies, and equipment.
9. Aeromedical factors (e.g., physiological, physical, and mental statuses) as they relate to safe pilot performance.
10. Crew resource management concepts (e.g., interpersonal communication, leadership, decision making) and procedures to improve flight safety and efficiency.
11. Navigation and radio communication systems (e.g., Global Positioning System, FM radios) for safe and effective in-flight navigation and communication.
12. Prepermission planning requirements (e.g., CAL FIRE cutoff time, controlled airspace, fuel requirements) to facilitate safe air operations.
13. Basic instrument flight procedures to reduce the risk inherent to Inadvertent Instrument Meteorological Conditions.
14. Fire suppression tactics and strategy as they pertain to wild land fire behavior and influencing factors (e.g., fuel models, weather conditions, and terrain) to mitigate fire advancement as defined in Department policies and procedures.
15. Helicopter operating and maintenance procedures (e.g., 25-hour inspection, daily airworthiness directives, engine wash procedures) as required in the Federal Aviation Regulations, the helicopter operator's manual, and Department policies and procedures to operate the aircraft safely.
16. Proper radio vernacular and etiquette to convey accurate and pertinent information.
17. The structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar to effectively convey information.
18. Local and statewide weather patterns, trends, and terrain influencing factors (e.g., density altitude, turbulence, wind) as it relates to safe flight operations.
19. Hazardous material handling and transport procedures to reduce risk and hazards aboard the helicopter.

Skill to:

1. Safely operate a helicopter at maximum gross weight in challenging conditions (e.g., high density altitude, winds, terrain) to support all-risk missions.
2. Sustain a stable hover as required for hover step and air rescue operations.
3. Perform emergency procedures (e.g., engine failure, stuck pedal, hydraulic failure) to mitigate injury to personnel and damage to aircraft.

4. Coordination to perform nonstandard technical maneuvers (e.g., hover steps, air rescue, aerial firing operations, pinnacle and confined area operations) in adverse wind conditions and mountainous terrain.
5. Perform dropping operations using fire suppression materials to accurately drop on a fire to assist with fire suppression.
6. Perform low-level flight to support reconnaissance missions (e.g., mapping, assessing fire status, firing operations).
7. Safely operate a helicopter using all known devices and equipment associated with helicopter forestry firefighting while conducting Department missions to make correct and sound decisions.
8. Multitask while operating the helicopter utilizing multiple radios to communicate and coordinate with other aircraft and ground personnel.
9. Operate a helicopter to commercial pilot standards using the Federal Aviation Administration Pilot Practical Test Standards to achieve the Department's mission safely and efficiently.
10. Perform night flying operations to safely control a helicopter.

Ability to:

1. Safely operate a helicopter over a full spectrum of surfaces (e.g., mountains, water, heavily wooded areas) and environmental conditions to achieve the Department's mission.
2. Safely operate a helicopter under high-stress and dynamic conditions (e.g., limited visibility, long duty days, extreme temperatures, congested and controlled air spaces) to achieve the Department's mission.
3. Use good decision making processes and sound reasoning to maintain situational awareness.
4. Understand and comply with Federal Aviation Regulations and Department policies and procedures to facilitate safe flight operations.
5. Pass a CAL FIRE fire pilot check-ride to maintain certification (i.e., Interagency Fire Pilot Qualification Card).
6. Fly external loads to transport water, supplies, equipment, and individuals.
7. Identify, assess, mitigate, and manage mission risk to enhance overall safety.
8. Weigh risk versus gain to decline flight operations that have unacceptable risk levels
9. Recognize and be aware of personal limitations (e.g., human factors, aeromedical, physiological) to ensure individual safe performance.
10. Operate autonomously to perform job duties in complex situations with little or no input from others during the decision-making process.
11. Pass the Federal Aviation Administration Class II flight physical to maintain certification.
12. Maintain flight currency in accordance with Federal Aviation Regulations and Department policies and procedures to maintain a level of proficiency and safety.

13. Use Crew Resource Management in the Fire Traffic Area to identify possible conflicts and/or to increase situational awareness.
14. Operate helicopter according to commercial standards using the Federal Aviation Administration Pilot Practical Test Standards for safe flight operations.
15. Conduct and coordinate training regarding helicopter operations to ensure safety in and around the helicopter.
16. Communicate effectively using aviation and fire terminology
17. Cooperate (e.g., communicate, interact, resolve conflicts) with others in all situations to accomplish the Department's mission.
18. Direct personnel (e.g., ground crew, flight crews, helitack crews) in dynamic and dangerous conditions to enhance safety
19. Read and utilize maps (e.g., aeronautical, incident, topographical, terrain relief), extrapolate coordinates, and identify terrain features as they apply to pilot navigation and providing ground resources guidance.
20. Follow correct administrative and operational chain of command in accordance with Department policies and procedures.
21. Read, write, speak, and comprehend English at a 12th grade level or equivalent to accomplish daily tasks.
22. Adapt to an augmented mission profile and equipment changes within Department to meet the needs of an evolving aviation program.
23. Complete assignments thoroughly and on time.
24. Perform required physical activities (e.g., lift, climb, swim, extended sitting) to complete all duty related tasks and trainings.

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
(916) 894-9580
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) 894-9580, 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.

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 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.

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.