



FORESTRY FIRE PILOT

Exam Code: 7FS09

Department(s):	Department of Forestry & Fire Protection
Opening Date:	September 6, 2017
Closing Date:	October 4, 2017
Type of Recruitment:	Open
Salary:	\$5618 - \$7223
Employment Type:	Permanent Full-time Permanent Part-time Permanent Intermittent Limited Term Full-time Limited Term Part-Time Limited Term Intermittent
Exam Type:	State-wide

EEO

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.

DRUG FREE STATEMENT

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 SHOULD APPLY?

Applicants who meet the minimum qualifications. Applications will NOT be accepted on a promotional basis.

FILING INSTRUCTIONS

Final File Date: **October 4, 2017**

Examination/Employment Application (STD. 678) is available at the California Department of Human Resources' website at [State Application](#). Examination/Employment Application (STD. 678) may be submitted by mail or delivered in person.

MAIL:

Department of Forestry and Fire Protection
Examination Unit – (Attention: Jennifer Norris)
P.O. Box 944246
Sacramento, CA 94244-2460

SUBMIT IN PERSON:

Department of Forestry and Fire Protection
Examination Unit – (Attention: Jennifer Norris)
1300 U Street
Sacramento, CA 95818

Note: Applications **will not** be accepted via e-mail.

Applications postmarked or personally delivered after the final filing date, **October 4, 2017** will not be accepted for any reason.

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.

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.

SALARY INFORMATION

\$5618 - \$7223

ELIGIBLE LIST INFORMATION

A Departmental eligible list will be established for the Department of Forestry and Fire Protection. Eligibility expires 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

All applicants must meet the education and/or experience requirements as stated on this examination bulletin as of the date the examination is given.

NOTE: Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.

All applications/resumes must include "from" and "to" employment dates (month/day/year), time base, and applicable civil service class titles as well as a detailed list of duties performed. Applications received without this information will be rejected.

MINIMUM QUALIFICATIONS

Licenses: Possession of 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

Possession of a valid and current Class II Airman's Medical Certificate issued by an FAA authorized medical examiner.

and

Possession of 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. 250 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: Applicants must submit a copy of their Federal Aviation (FAA) Commercial Airman Certificate with a Rotorcraft-Helicopter Rating or a copy of their FAA Airline Transport Pilot's Certificate with a Rotorcraft-Helicopter Rating.

Applicants must also submit a copy of their current Class II Airmen's Medical Certificate.

This information must also appear on your state application or on an attachment.

The above requested information may be subject to verification during the application review process and/or candidates may be required to bring supporting documentation to the Qualifications Appraisal Interview.

Applicants **MUST** state on their application what records were used to provide the Pilot-In-Command flight hours (i.e., Log book, Employer's records, etc.). Please use the format below on your state application.

Records used to provide these hours _____

Helicopter Pilot-In-Command (PIC) Flight Hours:

PIC Total Time	_____	hrs.
PIC Mountain Terrain	_____	hrs.
PIC Turbine Time	_____	hrs.
PIC Low Level Flight	_____	hrs.
PIC Sling Loads	_____	hrs.
PIC in Past Year (09/01/16-08/31/17)	_____	hrs. **

**You must list on your application or on an attachment your helicopter PIC hours per month for each month beginning with September 2016 through August 2017.

ADDITIONAL DESIRABLE QUALIFICATIONS

Forest-firefighting experience with helicopters is desirable.

POSITION DESCRIPTION

The essential purpose of this classification is to pilot a helicopter over all types of terrain; to aid in all aspects of fire prevention, suppression, and vegetation management; to perform required preventive maintenance on helicopters; and to do other related work, under general direction, throughout the State.

EXAMINATION INFORMATION

Qualifications Appraisal Interview: It is anticipated that interviews will be held during **October/November 2017**.

The examination will consist of a qualifications appraisal interview weighted 100%. The interview will include several predetermined job-related questions. To obtain a position on the eligible list, a minimum rating of 70% must be attained. **CANDIDATES WHO DO NOT APPEAR FOR THE INTERVIEW WILL BE DISQUALIFIED.**

KNOWLEDGE, SKILLS, AND ABILITIES

Scope:

Knowledge of:

1. Low-level tactical flying in hazardous terrain to fight fires, obtain water, and conduct reconnaissance, search and rescue, and external load operations.
2. Helicopter performance and limitations in all environments 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.
4. Understanding of helicopter systems to safely operate the aircraft.
5. The commercial pilot level of aeronautical principals as it applies to safe flight performance.
6. A commercial pilot level of Federal Aviation Regulations as they relate to flight operations.
7. Off-airport operations to safely deliver crews, supplies, and equipment.
8. Required licenses and certificates to maintain Department and Federal Aviation Administration certifications.
9. Crew resource management concepts and procedures to improve flight safety and efficiency.
10. Aeromedical factors as they relate to safe pilot performance.
11. Navigation and radio communication systems for safe and effective in-flight navigation and communication.
12. Pre-mission planning requirements to facilitate safe air operations.
13. Basic instrument flight procedures to reduce the risk inherent to Inadvertent Instrument Meteorological

Conditions.

14. Helicopter operating and maintenance procedures as required in the Federal Aviation Regulations, the helicopter operator's manual, and Department policies and procedures to operate the aircraft safely.
15. Fire suppression tactics and strategy as they pertain to wild land fire behavior and influencing factors to mitigate fire advancement as defined in Department policies and procedures.
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 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 to support all-risk missions.
2. Sustain a stable hover as required for hover step and air rescue operations.
3. Perform emergency procedures to mitigate injury to personnel and damage to aircraft.
4. Perform nonstandard technical maneuvers 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.
7. Multitask while operating the helicopter utilizing multiple radios to communicate and coordinate with other aircraft and ground personnel.
8. 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.
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 and environmental conditions to achieve the Department's mission.
2. Safely operate a helicopter under high-stress and dynamic conditions to achieve the Department's mission.
3. Use good decision making processes and sound reasoning to maintain situational awareness.
4. Identify, assess, mitigate, and manage mission risk to enhance overall safety.
5. Understand and comply with Federal Aviation Regulations and Department policies and procedures to facilitate safe flight operations.
6. Fly external loads to transport water, supplies, equipment, and individuals.
7. Pass a CAL FIRE fire pilot check-ride to maintain certification (i.e., Interagency Fire Pilot Qualification Card).
8. Recognize and be aware of personal limitations to ensure individual safe performance.
9. Weigh risk versus gain to decline flight operations that have unacceptable risk levels.
10. Operate autonomously to perform job duties in complex situations with little or no input from others during the decision-making process.
11. Maintain flight currency in accordance with Federal Aviation Regulations and Department policies and procedures to maintain a level of proficiency and safety.
12. To pass the Federal Aviation Administration Class II flight physical to maintain certification.
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. Cooperate with others in all situations to accomplish the Department's mission.
17. Communicate effectively using aviation and fire terminology.
18. Read and utilize maps extrapolate coordinates, and identify terrain features as they apply to pilot navigation and providing ground resources guidance.
19. Direct personnel in dynamic and dangerous conditions to enhance safety.
20. Read, write, speak, and comprehend English at a 12th grade level or equivalent to accomplish daily tasks.
21. Adapt to an augmented mission profile and equipment changes within Department to meet the needs of an evolving aviation program.
22. Follow correct administrative and operational chain of command in accordance with Department policies and procedures.
23. Complete assignments thoroughly and on time.

24. Perform required physical activities to complete all duty related tasks and trainings.

VETERANS PREFERENCE

Veterans' Preference will be granted for this examination. Effective January 1, 2014, in accordance with Government Codes 18973.1 and 18973.5, Veterans' Preference will be awarded 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 <https://jobs.ca.gov/CalHRPublic/Landing/Jobs/VeteransInformation.aspx>, and the Department of Veterans Affairs.

CAREER CREDITS

Career credits are not granted in open examinations.

SPECIAL PERSONAL CHARACTERISTICS

Keeness of observation, mental alertness, tact, and good physical condition; willingness to work long and irregular hours including weekends and holidays; willingness to accept shift changes; willingness to work in non ideal environments; willingness to stay in good physical condition; willingness to accept assignments that will take you away from home and from your home base; willingness to periodically live in a station environment; willingness to operate a helicopter for extended periods of time in the shaded area of the height versus velocity curve; willingness to maintain a neat personal appearance to comply with department grooming standards; willingness to operate a helicopter in personal protective equipment in extreme heat environment.

CONTACT INFORMATION

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

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)

DISCLAIMER

Please go to the following website to review the official California Department of Human Resources (CalHR) class specification: [Classification Description](#) (specification)

GENERAL INFORMATION

For an examination with a written feature, it is the candidate's responsibility to contact the Department of Forestry and Fire Protection, (916) 445-7824, three days prior to the written test date if he/she has not received his/her notice of appointment.

For an examination without a written feature, it is the candidate's responsibility to contact the Department of Forestry and Fire Protection three weeks after the final filing date if he/she has not received his/her notice.

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 testing Department 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.

Promotional Examinations Only: Competition is limited to employees who have a permanent civil service appointment and military veterans that meet all the minimum qualifications. Under certain circumstances, other employees may be allowed to compete under provisions of Rules 234, 235, and 235.2. State Personnel Board Rules 233, 234, 235, 235.2, and 237 contain provisions regarding civil service status and eligibility for promotional examinations. These rules may be reviewed at Departmental personnel offices or www.jobs.ca.gov.

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.

Veterans' Preference: Effective January 1, 2014, in accordance with Government Codes 18973.1 and 18973.5, Veterans' Preference will be awarded 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 <https://jobs.ca.gov/CalHRPublic/Landing/Jobs/VeteransInformation.aspx>, and the Department of Veterans Affairs.

Career Credits: In open, non promotional examinations, career credits are granted to: 1) State employees with permanent civil service status, 2) full-time employees of the State who are exempt from State civil service pursuant to the provisions of Section 4 of Article VII of the California Constitution, and who meet all qualification requirement specified by the Board and have 12 consecutive months of service in an exempt position, and 3) individuals who have served one full year in, or are graduates of, the California Conservation Corps (eligibility shall expire 24 months after graduation from the California Conservation Corps). Three points are added to the final test score of those candidates who meet the above criteria, and who are successful in the examination. Such examinations cannot be for managerial positions described in Government Code Section 3513. Competitors not currently employed in State civil service who have mandatory reinstatement rights may also be eligible for career credits, but they must explain their service status in the appropriate section of the Examination/Employment Application (STD. 678).

Felony Disqualification: You are disqualified from being employed as a peace officer if: 1) you have been convicted of a felony in California or any other State; 2) you have been convicted of any offense in any other State which would have been a felony if committed in California; 3) you have been charged with a felony and adjudged by a superior court to be mentally incompetent; 4) you have been adjudged addicted or in danger of becoming addicted to narcotics, convicted, and committed to a State institution. If you have been convicted of a felony, you may be allowed to participate in this examination if your conviction(s): 1) has/have been sealed under Penal Code Section 851.7, 851.8, 1203.45, or Health and Safety Code Section 11361.5; 2) has/have been expunged or is/are expugnable pursuant to Health and Safety Code Section 11361.5 regarding marijuana offenses; 3) was/were stipulated or designated to be a lesser included offense of marijuana possession under Health and Safety Code Section 11557 or 11366.

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.