		T =			
STATE OF CALIFORNIA		Working Title of Position			
	STRY AND FIRE PROTECTION	Wildfire Technology Research Specialist			
POSITION ESSENTI	AL FUNCTIONS DUTIES STATEMENT	Division and/or Subdivision			
PO-199 (06/16)		Information Technology / Office of Wildfire			
INOTELIOTIONIC TILL DI	to the sign of the Organization of the Organization	Technology Research and Development (OWTRD)			
	rector is required by Government Code Section ecord) "material changes in the duties of any	Location of Headquarters			
	liction". The Position Essential Functions Duties	West Sacramento			
Statement is used for this	purpose. Enter identifying information and effective	Class Title of Position			
date at the right. Enter brief description of each of the important duties and		Research Data Specialist II			
responsibilities of the position below. Group related duties in numbered paragraphs and indicate the percentage of total time occupied. Indicate the		Position Number			
"essential functions" of the position by placing an asterisk (*) in front o		541-026-5758-001			
individual duties you determine to be essential to the job. Discuss the dut		Effective Date November 2025			
	ed to the position. Both the employee and nent where indicated. The supervisor retains the	November 2025			
	vides a copy to the employee.				
Percentage of Time	Effective on the date indicated, the emplo	byee assigned to the position identified above performs			
Required	the following duties and responsibilities.				
	The Office of Wildfire Technology Research and Development (OWTRD) serves as the central organizing hub for the state's identification of emerging wildfire technologies. OWTRD conducts analyses of the wildfire technology industry, serving the larger fire community, including academic researchers, policymakers, and practitioners, to assist in the development of innovative technologies. The OWTRD is subject to review by the Wildfire Technology Research and Development Review Advisory Board (Advisory Board), which serves in an advisory capacity to the OWTRD. In turn, the OWTRD also supports this Advisory Board.  Under the general direction of the Research Data Manager, the incumbent, independently or as part of a team, performs a wide-ranging advanced mixed methods research and data-related activities that support the Program. Provides advanced analytical support for the Office's technology research activities including; qualitative and quantitative data acquisition, analysis and reporting. Conducts qualitative and quantitative analyses using appropriate methods, to interpret, summarize, and concisely communicate findings to support program decisions. Duties				
40%	public, private, academic, and non-profit maintains reference libraires and manage to develop a deep knowledge base of em	ng to maintain awareness of emerging technology in fields that advances the fire industry. *Creates and es a portfolio of technology research projects intended terging technology and related products and their rks with partners to understand technology needs and chnologies. (Continued page 2).			
	the position must be able to perform unaided or wit				
Equal Employment Opportunity (EEO) Statement: All CAL FIRE employees are expected to conduct themselves in					
a professional manner that demonstrates respect for all employees and others they come in contact with during work					
hours, during work related activities, and anytime they represent the department. Additionally, all CAL FIRE employees					
are responsible for promoting a safe and secure work environment free from discrimination, harassment, inappropriate					
conduct, or retaliation		to traval to offaita mastings may be required with			
Job qualifications and/or conditions of employment: 5% statewide travel to offsite meetings may be required, with possible overnight stays.					
"We have discussed this document in its entirety and understand the duties of this position."					
THE HAVE ABOUSSED THIS GOODING IT TO CHUICLY AND UNDERSTAIND THE DUTIES OF THIS POSITION.					
Employee Signature	Date Supe	rvisor Signature Date			
Personnel use only Posted to Directory Initials and date					

STATE OF CALIFORNIA
DEPARTMENT OF FORESTRY AND FIRE PROTECTION
POSITION ESSENTIAL FUNCTIONS DUTIES STATEMENT
PO-199 (06/16) - PAGE 2

Working Title of Position
Wildfire Technology Research Specialist

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Percentage of Time	Effective on the date indicated, the employee assigned to the position identified above performs the following duties and responsibilities.					
Required	the following duties and responsi	ibilities.				
	*Project planning and oversight: Develop project plans including research needs assessments, current state assessments, project scope and objectives statements, identify data sources, and data collection and analysis methods to analyze emerging technology trends and technical capabilities and requirements. *Suggests appropriate methodology and research protocols. *Data collection and analysis: Employ a variety of methods to acquire, clean and analyze qualitative and quantitative data in various stages of completeness. Propose data acquisition methods that detect incorrect / duplicate/ missing values, and to identify outliers or data quality issues. *Document protocols used during data acquisition and transformation processes. *Perform complex analysis of data sets using querying tools (Python, R or equivalent). *Create data visualizations in Adobe, Excel, PowerBI, or equivalent tools that may also include different types of Artificial Intelligence tools like Generative AI or language models.					
40%	*Communicate and present fine internal and external partners, inc good working relationships with p and/or written reports of activities management on project-related is in frequent communications with	cluding vendors oublic, private a s and assigned ssues and mak	s and external organization on the same and non-profit organization tasks. Identify, docume the recommendations to	tions. *Build and maintain ions. *Provide verbal int, and advise		
	*Supports the Advisory Board. *L Advisory Board and develops find audiences. *Develops abstracts, results. *The incumbent may inde management, and external entitie organizations.	dings and effect reports, and vi ependently or a	ctively presents findings sualizations (dashboard as part of a group, prese	to a variety of ls/infographics) of ent findings to		
10%	*Leads Proof of Concept Studies: Works with program partners, leads development and oversight of agreements with partners engaged in technology proof of concept evaluations.  *Oversees data collection, analysis and reporting on technology proof of concept pilots undertaken by the OWTRD. *Works with IT partners on API development and develops evaluation criteria to determine how proof of concept pilots are determined, prioritized and evaluated. Able to handle multiple priorities, show initiative and can work independently or as part of a team.  *These are the essential functions for this position. Essential functions are those functions that the individual who holds the position must be able to perform unaided or with the assistance of a reasonable accommodation.					
<b>Equal Employment Opportunity (EEO) Statement:</b> All CAL FIRE employees are expected to conduct themselves in a professional manner that demonstrates respect for all employees and others they come in contact with during work hours, during work related activities, and anytime they represent the department. Additionally, all CAL FIRE employees are responsible for promoting a safe and secure work environment free from discrimination, harassment, inappropriate conduct, or retaliation.						
Job qualifications and/or conditions of employment:						
"We have discussed this document in its entirety and understand the duties of this position."						
Employee Signature	Date	Supervisor S	ignature	Date		
Personnel use only	☐ Posted to Directory	Initials and Da	te			

## Working Title of Position STATE OF CALIFORNIA Wildfire Technology Research Specialist DEPARTMENT OF FORESTRY AND FIRE PROTECTION POSITION ESSENTIAL FUNCTIONS DUTIES STATEMENT PO-199 (06/16) - PAGE 3 Percentage of Time Effective on the date indicated, the employee assigned to the position identified above performs Required the following duties and responsibilities. 5% Attends emerging technology meetings and document the outcomes of meetings. 5% Performs other job-related duties or functions as assigned. **Desirable Qualifications:** Excellent verbal and written communication Advanced project management and interpersonal skills Knowledge of advanced statistical methods \*These are the essential functions for this position. Essential functions are those functions that the individual who holds the position must be able to perform unaided or with the assistance of a reasonable accommodation. Equal Employment Opportunity (EEO) Statement: All CAL FIRE employees are expected to conduct themselves in

**Equal Employment Opportunity (EEO) Statement:** All CAL FIRE employees are expected to conduct themselves in a professional manner that demonstrates respect for all employees and others they come in contact with during work hours, during work related activities, and anytime they represent the department. Additionally, all CAL FIRE employees are responsible for promoting a safe and secure work environment free from discrimination, harassment, inappropriate conduct, or retaliation.

Job qualifications and/or conditions of employment:							
"We have discussed this document in its entirety and understand the duties of this position."							
	•	·					
Employee Signature	Date	Supervisor Signature	Date				
Personnel use only	☐ Posted to Directory						
		Initials and Date					