

Wildland Fire Dispatch Competency Model

Wildland Fire Dispatch Competency Model

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Wildland Fire Dispatch Competency Model

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Wildland Fire Dispatch Competency Model Study Summary

The Department of the Interior (DOI) Office of Human Capital (OHC) conducted a comprehensive study to identify the critical competencies and tasks for successful performance of Wildland Fire (WLF) dispatch work across the Department. OHC worked with WLF dispatch subject matter experts from across the Department in order to create a thorough and accurate representation of the work performed by DOI wildland firefighting professionals and the knowledge, skills, and abilities required to perform that work.

The study involved a variation of the U.S. Office of Personnel Management's Multipurpose Occupational Systems Analysis Inventory – Closed-Ended (MOSAIC) method for gathering and analyzing information about work. The MOSAIC approach has been utilized to study and describe work performed within the Federal Government for over 25 years. The study included a wide-ranging literature review to build lists of tasks and competencies used to describe WLF dispatch work across the Department. Next, focus groups with DOI WLF dispatch subject matter experts were held to ensure these lists were complete and accurately represented the job. OHC also conducted a site visit to observe WLF dispatch work performed on a routine basis. Trained SMEs linked each task to competencies to confirm they were required to perform the work. DOI WLF dispatch professionals responded to a comprehensive job analysis survey and rated tasks and competencies to demonstrate the importance and utility of each component of the study. Finally, following analysis of the survey data, WLF dispatch subject matter experts reviewed the results of the study to ensure its accuracy.

The results of this study establish a common set of WLF dispatch tasks and competencies across the Department, which can be used to create assessment and selection techniques and tools and establish common practices and terminology for recruitment, performance management, workforce planning, training, and employee development. The results are also intended to identify the paramount knowledge required and duties performed for WLF dispatch work across DOI. This work provides the Department with current, validated information that can be used to ensure its WLF Dispatch workforce has the tools to meet future challenges.

Please reference the Competency Model Interpretive Guidance for assistance in interpreting and applying the results of this study.

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Table 1: General Competencies by Grade¹

The following general competencies are valid for assessment and selection, performance management, and other related human capital functions across the WLF dispatch occupational series included in this study at the grade levels listed below.

Table 1: General Competencies by Grade

GS-3	<ul style="list-style-type: none">• <i>Attention to Detail</i>• <i>Compliance</i>• <i>Computer Skills</i>• <i>Continual Learning</i>• <i>Customer Service</i>• <i>Reading Comprehension</i>• <i>Stress Tolerance</i>• <i>Teamwork</i>
GS-4	<ul style="list-style-type: none">• Attention to Detail• Compliance• Computer Skills• Continual Learning• Customer Service• Reading Comprehension• Stress Tolerance• Teamwork

¹ Italics represent the lowest grade at which the competency appears.

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GS-5	<ul style="list-style-type: none"> • <i>Accountability</i> • Attention to Detail • Compliance • Computer Skills • <i>Conflict Resolution</i> • Continual Learning • Customer Service • <i>Decisiveness</i> • <i>Problem Solving</i> • Reading Comprehension • Stress Tolerance • Teamwork • <i>Technical Competence</i>
GS-7	<ul style="list-style-type: none"> • Accountability • Attention to Detail • Compliance • Computer Skills • Conflict Resolution • Continual Learning • Customer Service • Decisiveness • Problem Solving • Reading Comprehension • Stress Tolerance • Teaching Others • Teamwork • Technical Competence
GS-8	<ul style="list-style-type: none"> • Accountability • Attention to Detail • Compliance • Computer Skills • Conflict Resolution • Continual Learning • Customer Service • Decisiveness • Problem Solving • Reading Comprehension • Stress Tolerance • Teaching Others • Teamwork

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	<ul style="list-style-type: none"> • Technical Competence
GS-9	<ul style="list-style-type: none"> • Accountability • Attention to Detail • Compliance • Computer Skills • Conflict Resolution • Continual Learning • Customer Service • Decisiveness • Problem Solving • Reading Comprehension • Stress Tolerance • Teaching Others • Teamwork • Technical Competence
GS-10	<ul style="list-style-type: none"> • Accountability • Attention to Detail • Compliance • Computer Skills • Conflict Resolution • Continual Learning • Customer Service • Decisiveness • Problem Solving • Reading Comprehension • Stress Tolerance • Teaching Others • Teamwork • Technical Competence
GS-11	<ul style="list-style-type: none"> • Accountability • Attention to Detail • Compliance • Computer Skills • Conflict Resolution • Continual Learning • Customer Service • Decisiveness • Problem Solving • Reading Comprehension • Stress Tolerance

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	<ul style="list-style-type: none"> • Teaching Others • Teamwork • Technical Competence
GS-12	<ul style="list-style-type: none"> • Accountability • Attention to Detail • Compliance • Computer Skills • Conflict Resolution • Continual Learning • Customer Service • Decisiveness • Problem Solving • Reading Comprehension • Stress Tolerance • Teaching Others • Teamwork • Technical Competence
GS-13	<ul style="list-style-type: none"> • Accountability • Attention to Detail • Compliance • Computer Skills • Conflict Resolution • Continual Learning • Customer Service • Decisiveness • Problem Solving • Reading Comprehension • Stress Tolerance • Teaching Others • Teamwork • Technical Competence
GS-14	<ul style="list-style-type: none"> • Accountability • Attention to Detail • Compliance • Computer Skills • Conflict Resolution • Continual Learning • Customer Service • Decisiveness

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	<ul style="list-style-type: none">• Problem Solving• Reading Comprehension• Stress Tolerance• Teaching Others• Teamwork• Technical Competence
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Table 2: General Competencies by Assessment Tool

Competency	Structured Resume Review	Structured Interview	Biodata	Cognitive Ability Test	Job Knowledge Test	Personality Inventory	Situational Judgment Test	Work Sample
Accountability	Low	High	High	Low	Low	High	High	Low
Attention to Detail	Medium	Medium	Low	High	Low	Medium	Low	High
Compliance	Medium	High	Low	Low	Low	High	Low	Low
Computer Skills	Medium	High	Medium	Medium	Low	High	Low	Low
Conflict Resolution	Low	High	Medium	Low	Low	High	Medium	Low
Continual Learning	Medium	High	High	Low	Low	High	High	Low
Customer Service	Low	High	Low	Low	Low	High	Low	Low
Decisiveness	Low	High	Medium	Medium	Low	Medium	Medium	Medium
Problem Solving	Low	High	Medium	High	Low	Low	Low	High
Reading Comprehension	Low	Low	Low	High	Low	Low	High	Medium
Stress Tolerance	Low	High	Medium	Low	Low	Medium	Medium	High
Teaching Others	Medium	High	Medium	Low	Low	Medium	Medium	High
Teamwork	Medium	Medium	Medium	Low	Low	Medium	Medium	Medium
Technical Competence	Medium	High	Low	Low	High	Low	Medium	High

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Technical Competencies for Assessment & Selection

The following technical competencies are valid for assessment and selection, performance management, and other related human capital functions for the occupational series listed below. (NOTE: While the technical competencies below have been validated for assessment and selection for WLF dispatching work, other technical competencies not listed below may be required depending on the position. Rely on the results of a job analysis and feedback from the hiring manager and subject matter experts to determine the exact technical competencies needed for a particular hire).

Table 3: Technical Competencies for Assessment & Selection
GS-Fire Dispatcher

Competency Title – (Number of Ratings out of 81) – Importance Ratings (scale of 1 – 5)

- Data Interpretation (81) – 4.10
- Fire Management (80) – 4.11
- Fire Response (75) – 4.26
- Fuels, Fire, Weather Analysis (81) – 4.06
- Geospatial Analysis (81) – 4.29
- Incident Management (81) – 4.17
- Organizational Awareness (81) – 4.18

- Resource Oversight (75) – 4.09
- Safety, Health and Emergency Management (75) – 4.22
- Telecommunications (81) – 4.21
- Wildland Fire Behavior (81) – 4.09

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Summary

The DOI Office of Human Capital (OHC) conducted a comprehensive study to identify the critical competencies and tasks for successful performance of WLF dispatch work across the Department. The tasks and competencies presented in this report can be used in the assessment and selection process, recruitment, performance management, workforce planning, training, and employee development for the WLF dispatch profession. This work provides DOI with current, validated information that can be used to ensure its WLF Dispatch workforce has the tools to meet future challenges. If further information is needed about how these competencies, tasks, or knowledges, please review the full technical report.

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Appendix A: WLF Dispatch General Competencies

Accountability	Holds self and others accountable for measurable high-quality, timely, and cost-effective results. Determines objectives, sets priorities, and delegates work. Accepts responsibility for mistakes. Complies with established control systems and rules.
Attention to Detail	Is thorough when performing work and conscientious about attention to detail.
Compliance	Knowledge of procedures for assessing, evaluating, and monitoring programs or projects for compliance with Federal laws, regulations, and guidance.
Computer Skills	Uses computers, software applications, databases, and automated systems to accomplish work.
Conflict Resolution	Manages and resolves conflicts, grievances, confrontations or disagreements in a constructive manner to minimize negative personal and/or organizational impact.
Continual Learning	Assesses and recognizes own strengths and weaknesses; pursues self-development.
Customer Service	Works with clients and customers (that is, any individuals who use or receive the services or products that your work unit produces, including the general public, individuals who work in the agency, other agencies, or organizations outside the Government) to assess their needs, provide information or assistance, resolve their problems, or satisfy their expectations; knows about available products and services; is committed to providing quality products and services.
Decisiveness	Makes well-informed, effective, and timely decisions, even when data are limited or solutions produce unpleasant consequences; perceives the impact and implications of decisions.
Problem Solving	Identifies problems; determines accuracy and relevance of information; uses sound judgment to generate and evaluate alternatives, and to make recommendations.
Reading Comprehension	Understands and interprets written material, including technical material, rules, regulations, instructions, reports, charts, graphs, or tables; applies what is learned from written material to specific situations.
Stress Tolerance	Deals calmly and effectively with high stress situations (for example, tight deadlines, hostile individuals, emergency situations, dangerous situations).

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Teaching Others	Helps others learn through formal or informal methods; identifies training needs; provides constructive feedback; coaches others on how to perform tasks; acts as a mentor.
Teamwork	Motivates team members to accomplish group goals. Performs well in team settings and assists others when needed. Develops and maintains effective working relationships with others.
Technical Competence	Uses knowledge that is acquired through formal training or extensive on-the-job experience to perform one's job; works with, understands, and evaluates technical information related to the job; advises others on technical issues.

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Appendix B: WLF Dispatch Technical Competencies²

Data Interpretation	Skills in collecting, analyzing, and interpreting data to determine actions and develop or propose guidance.
Fire Management	Knowledge of the concepts, principles, and theories of fire management, including the characteristics, behavior, and ecology of fire; methodologies, strategies, and equipment used in prescribed fires; fire detection, prevention, and suppression strategies; and integration of fire with natural resource management.
Fire Response	Employ wildland fire suppression tactics, operational strategies, and utilize knowledge of resource capabilities in support of initial and extended attack dispatch operations on wildland fire and emergency incidents.
Fuels, Fire, Weather Analysis	Apply wildland fire danger rating systems and predictive services; utilizing inputs such as fuel models, weather, topography, and values at risk to determine preparedness and staffing levels; predict fire season severity, areas of extreme fire danger, and fire behavior potential.
Geospatial Analysis 2	Read and interpret maps and geospatial data including locations, attributes, and the relationships of features to determine ownership, jurisdiction, protection responsibility, values at risk, and to support decision making.
Incident Management	Knowledge of the tactics, technologies, principles, and processes to protect, analyze, prioritize, and handle incidents.
Organizational Awareness	Knows the organization's mission and functions, and how its social, political, and technological systems work and operates effectively within them; this includes the programs, policies, procedures, rules, and regulations of the organization.
Resource Oversight	Employs technical publications and policies, methods, and rationale to prioritize, allocate, and track resources.
Safety, Health, & Emergency Management	Knowledge of public safety and security operations, occupational health and safety, and emergency management, preparedness, and response.
Telecommunications	Knowledge of the concepts, principles, and theories of transmissions, broadcasting, switching, control, construction, or operation of telecommunications systems.
Wildland Fire Behavior	Employ the concepts and theories of wildland fire behavior characteristics to identify potential hazards and impacts for the suppression of fire and protection of life and property.

² Includes competencies identified for positions by SMEs that were not considered “critical” across each occupational series. These competencies may still be used for training and development purposes.

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Appendix C: WLF Dispatch Tasks

1	Develop and implement a cohesive dispatch program to meet the needs of Federal, Tribal, State, and Local agencies
2	Initiate and coordinate all dispatch actions based on firefighter and public safety, cost effectiveness, and values to be protected consistent with resource objectives.
3	Coordinate with cooperating agencies on multi-jurisdictional wildland fires for resource needs, values at risk, plans of action and intelligence gathering.
4	Track wildland firefighting resources and personnel for employee safety and accountability.
5	Organize, train, and direct a qualified workforce to meet local, geographic area, or national level wildland fire program objectives.
6	Allocate resources for mobilization to wildland fire and emergency response within the local, geographic, national, or international area.
7	Direct and/or coordinate the mobilization, demobilization and reassignment wildland fire resources to support current and anticipated needs.
8	Analyze and communicate fire indices for decision making and take appropriate actions for safe, efficient, and effective fire response.
9	Engage with specialty operational groups and serve as a subject matter expert in wildland fire program management and dispatch coordination.
10	Create, maintain, and implement contingency plans to respond to emergency situations.
11	Analyze wildland fire intelligence data for the purpose of making incident prioritization and resource allocation decisions.
12	Evaluate inventory and availability of wildland fire, all-hazard, and emergency resources and procure the necessary resources to meet area-wide incident management objectives.
13	Facilitate and provide technical advice to the Multi-Agency Coordination (MAC) group to prioritize incidents and make resource allocations.
14	Ensure safe and efficient practices are followed at the dispatch center.
15	Determine location, pre-identify values at risk, land status, and current fire information to facilitate appropriate emergency response based on initial fire report.
16	Coordinate aviation operations including but not limited to, determining aircraft capabilities and limitations, flight planning and tracking, aviation safety, and airspace coordination.
17	Operate, direct, and troubleshoot various dispatch telecommunication systems and software applications.
18	Ensure adherence to operating procedures and evolving agency policy by establishing internal controls and quality control measures.
19	Compile pertinent information and dispatch personnel, equipment, aircraft, and/or supplies according to predefined plans or in response to requests from the field.
20	Initiate requests to the appropriate organizational levels for additional resources when needed.
21	Collect, process, validate, and submit incident information to support wildland fire and emergency operations.

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22	Process, analyze, and validate weather data to determine fire danger indices, preparedness and staffing levels for wildland fire and aviation resources.
23	Input data into fire related computer applications and make initial assessment of outputs.
24	Monitor, log, and communicate all weather conditions, warnings, watches, and lightning detection maps to provide safety for field personnel.
25	Perform dispatch and call taking services for public safety related incidents and operations.
26	Receive and evaluate emergency calls for service.
27	Analyze information through precise questioning and determine the priority of the situation.
28	Operate an interagency multi-frequency radio console.
29	Elicit critical information from reporting parties who may be hysterical, hostile, uncooperative, traumatized, and/or injured, or who have other communications impediments.
30	Orchestrate search and rescue, emergency medical services, and helicopter operations of internal and external entities.
31	Provide communications and logistical support to responders or incidents.
32	Coordinate and prioritize use of assigned radio frequencies, directs radio traffic to appropriate channels, and restricts channels to emergency use as necessary.
33	Safeguard sensitive information and control dissemination.
34	Monitor a variety of alarm systems and ensure appropriate response.
35	Maintain situational awareness during all contacts and anticipate responders' requests and needs.
36	Solve unusually complex technical and operational problems.
37	Develop and/or disseminate significant advisories.
38	Create, maintain, and perform quality control on various databases and extensive contact lists.
39	Process incident reports and maintain records.
40	Maintain contact with public safety employees, support services personnel, telecommunications personnel, other agencies and jurisdictions, members of the public, members of the media, and other local, State, Tribal, and Federal Government agencies.
41	Analyze, communicate, and adjust for appropriate response coverage.
42	Report on alarm systems troubles.
43	Develop and review internal operating procedures and systems, recommend improvements, and lead changes.
44	Train employees in correct radio use and dispatch procedures.
45	Perform and direct others to complete and process resource order requests for overhead, crews, equipment, supplies, and/or aircraft for all types of incidents.
46	Utilize predictive service products and incident information to complete intelligence duties for decision support (e.g. resource availability status, management briefings, incident statistics, historic fire, weather analysis, indices charts, mobilization response data, situation reporting, incident status summary form completion).

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47	Order and coordinate infrared operations.
48	Use competitive solicitation to find available vendor resources to meet incident needs.
49	Ensure all actions are adequately documented.
50	Provide resource tracking documents as needed for daily cost summaries.
51	Arrange emergency fire travel.
52	Process travel itineraries.
53	Reconcile agency credit card.
54	Create and/or verify incident financial codes using appropriate agency incident business guidelines and direction.
55	Provide leadership, supervision, human resource management, budget development and execution, and program management related to various multi-agency policies and the dispatch coordination system.
56	Provide leadership, supervision, direction, and coordination in developing and implementing the expanded and initial attack dispatch organizations.
57	Determine when to expand center operations, and activate the appropriate level of expanded dispatch, procurement, and support operations.
58	Maintain ongoing communications and coordination with all Federal, State, Tribal, and local wildland fire management agencies within the dispatch centers' area of influence.
59	Direct and establish continuity of operations and communicate with stakeholders before, during, and after natural disasters, critical failures, and building emergencies.
60	Provide direction and leadership in support of complex interagency management situations (e.g., coordinate aircraft flight following, law enforcement assistance, search and rescue coordination and all other administration/all-hazard activities according to policies).
61	Direct the dispatch coordination program to include planning, program direction, coordination, and evaluation.
62	Develop, implement, and maintain dispatch response plans for the purpose of identifying the closest and most appropriate type and quantity of wildland fire and/or emergency resources in order to maximize response efficiency.
63	Ensure dispatch coordination program compliance with applicable agency regulations and policies.
64	Budget plan and execution to meet changing conditions within the limits of current or anticipated funding.
65	Provide direction and technical guidance in support of interagency management activities.
66	Provide leadership, coordination, and direction of standards, methods, and guidelines for all dispatch coordination program elements.
67	Coordinate and assure each agency's communication channels (telephones, email, radios, and frequencies) with field resources are operable and afford a safe environment for employees in the office and field.
68	Coordinate dispatch program process and procedures with Federal, State, Tribal, and Local Government entities/agencies.

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69	Serve on agency and interagency committees, teams, and work groups supporting Local, Geographic, National, and/or international wildland fire or emergency operation initiatives.
70	Collaborate with other agencies to provide successful, cost-effective solutions for an interagency dispatch center.
71	Provide critical logistical support information to stakeholders and make recommendations concerning the efficient uses of available resources.
72	Evaluate the technical aspects and effectiveness of existing wildland fire and aviation management programs and provide recommended changes or initiatives to improve the overall efficiency and success of the programs.
73	Arrange for and coordinate the transportation of overhead, crews, equipment, aircraft, and supplies.
74	Exercise delegated authority to move interagency resources for initial and extended attack of wildland fires and establish incidents as appropriate.
75	Develop, modify, and participate in dispatcher related training and serve as a subject matter expert during training course development.
76	Use micro-purchase authority to procure incident and dispatch center supplies.
77	Prepare briefings for incoming wildland fire and emergency resources.
78	Establish support and/or manage local mobilization or staging centers and communicate status to stakeholders.
79	Coordinate with wildland fire support functions (e.g., buying team, logistics, transportation, finance, incident support cache, operations)
80	Request temporary flight restrictions and temporary towers from Federal Aviation Administration; make notification of aerial hazards & Military Training Routes and de-conflicts airspace.
81	Submit SAFECOMs, intrusion reports and other safety violations in accordance to policy.
82	Assume Incident Commander role until incident commander is on scene; use response plans to determine initial response; utilize closest forces for initial and extended attack mobilization; provide information to responding resources of potential values at risk, resource management objectives (i.e., wilderness, retardant avoidance areas); creates resource orders for non-local resources; conduct shift change and dispatch floor briefings.
83	Ensure that 24/7 "Fire On-Call Dispatcher/Coordinator" contact is determined and available.
84	Provide fuels management project radio coverage, mobilizes fuels management resources; facilitates spot weather requests; report fuels management acres treated; work with smoke monitoring reporting; notify external parties as appropriate. Ensure contingency resources are in place. Monitor fuels management activities through coordination with field personnel.
85	Gather current fire & resource situational information; input incident status summary information into national reporting systems.
86	Prepare end-of-year reports; prepare ad-hoc reports; prepare dispatch records for archiving.

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87	Ensure that daily Remote Automated Weather Station observations have been entered; monitor sensors & weather observations for accuracy/issues; pull and distribute weather reports using approved agency methods (e.g. radio, text message, email, web posting); distribute any changes in weather in a timely manner (e.g. Red Flag warnings/fire weather watches/severe weather warnings); coordinate spot weather requests with National Weather Service and distributes forecasts; reviews daily National Fire Danger Rating System indices to ensure proper staffing and preparedness levels are correct.
88	Coordinate geographic National Weather Service Annual Operating Plan, perform fire weather & fuels forecasting, and manage communication of local, geographic, and national weather data dissemination.
89	Maintain, update, and post local dispatch website.
90	Implement and maintain knowledge of policy, guidance and services defined by agreements, Memorandum of Understanding, and Annual Operating Plans.
91	Execute initial attack and extended attack dispatch processes along with wildland fire and emergency incidents using closest resource concepts in alignment with agency and unit guidelines
92	Participate and advise in multi-agency management planning for safe and effective wildland fires and emergency incidents.
93	Develop, implement, and maintain emergency response publications.
94	Maintain technical documentation; incorporate each agencies' policies in the development, implementation and updating of technical documentation, publications, and plans.
95	Ensure the development of contingency plans for emergency situations.
96	Administer, integrate, and oversee the use of multi-agency telecommunication equipment, computer based applications, and other related communications equipment.
97	Provide logistical planning for initial attack, extended attack, intelligence planning, program direction, coordination and evaluation of the interagency dispatch program at the dispatch center.
98	Prepare and disseminate advisories and warnings based on fire, fuels, and weather conditions to educate and inform stakeholders.
99	Maintain wildland fire workload and generate reports to determine agency dispatch center cost contribution funding.
100	Provide resource tracking and routine status checks for Law Enforcement Officers.
101	Provide communication support and incident status checks for law enforcement officers in the course of traffic stops, public contacts, and other law enforcement related activity.
102	Query and relay Criminal Justice Information (to include but not limited to warrants, driver and vehicle status, <i>be on the lookouts</i>) to Law Enforcement Officers for safety and decision making purposes.
103	Provide investigative support to Law Enforcement Officers by performing criminal/driver/vehicle history and other law enforcement database searches and prepare documents for arrests and/or court.

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104	Establish, supervise, and coordinate law enforcement telecommunication data services in compliance with Department of Justice policies and respond to all applicable audits.
105	Respond to law enforcement requests for emergency and routine support to include, but not limited to, requests for officer backup, emergency responders, and tow trucks.
106	Dispatch Law Enforcement Officers to applicable calls for service providing pertinent safety information.
107	Answer and respond to 911 calls providing emergency medical dispatch.
108	Maintain required certifications to provide emergency medical dispatch services.

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Appendix D: WLF Dispatcher Knowledges

1	Knowledge of fire preparedness and suppression management policies, practices and procedures
2	Knowledge of fire behavior and fire fighting
3	Knowledge of weather patterns and how they affect fire behavior and fire fighting operations
4	Knowledge of threat assessment
5	Knowledge of the capabilities and limitations for a variety of suppression resources
6	Knowledge of dispatch coordination
7	Knowledge of dispatching methods, practices, and procedures
8	Knowledge of interagency fire preparedness and suppression management policies, practices and procedures
9	Knowledge of initial attack
10	Knowledge of extended attack
11	Knowledge of map reading/comprehension
12	Knowledge of data standards
13	Knowledge of wildland firefighting strategies and tactics
14	Knowledge of evacuation policies and procedures
15	Knowledge of fire classification
16	Knowledge of wildland fire
17	Knowledge of resource management and tracking
18	Knowledge of mobilization and demobilization of resources in multi-jurisdictional environment
19	Knowledge of developing alternative strategies when competing units are requesting resources in short supply
20	Knowledge of resource tracking
21	Knowledge of resource types and capabilities
22	Knowledge of alternative ordering processes
23	Knowledge of rescue and medivac procedures
24	Knowledge of incident reporting procedures
25	Knowledge of incident management
26	Knowledge of public safety
27	Knowledge of radio frequency communications
28	Knowledge of concepts, principles and practices of incident management
29	Knowledge of incident Business
30	Knowledge of procurement and acquisition
31	Knowledge of aircraft flight planning
32	Knowledge of briefing and debriefing of aircraft pilots
33	Knowledge of aircraft limitations in relation to fire safety
34	Knowledge of aircraft limitations in relation to fire safety, flight planning, fire operations and safety precautions
35	Knowledge of air operations safety

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36	Knowledge of tactical and administrative aircraft capabilities and limitations including pilot and aircraft certification programs
37	Knowledge of airspace
38	Knowledge of airspace coordination
39	Knowledge of temporary flight restrictions
40	Knowledge of aviation frequencies
41	Knowledge of temporary towers
42	Knowledge of deconfliction
43	Knowledge of special use airspace
44	Knowledge of notice to air mission
45	Knowledge of aviation policy and training requirements
46	Knowledge of flight following
47	Knowledge of uncrewed aircraft systems
48	Knowledge of infrared
49	Knowledge of aviation contracting
50	Knowledge of arial ignition
51	Knowledge of program management
52	Knowledge of equipment solicitation scheduling and the process for contractors, acquisition, and the legal requirements for hiring and inspecting equipment
53	Knowledge of interagency policies
54	Knowledge of interagency agreements, MOUs
55	Knowledge of contracts
56	Knowledge of tribal policies
57	Knowledge of wildland urban interface
58	Knowledge of interagency supervision
59	Knowledge of budget management
60	Knowledge of international agreements for interagency mobilization
61	Knowledge of department of defense activations for interagency mobilization
62	Knowledge of public messaging
63	Knowledge of fire program logistics management techniques
64	Knowledge of Federal and State land management policies
65	Knowledge of disaster preparedness and management operations
66	Knowledge of interagency coordination
67	Knowledge of coaching
68	Knowledge of employee motivation
69	Knowledge of special reports and brief writing
70	Knowledge of updating and revising logistics guidelines and procedures for the area serviced
71	Knowledge of the use of maps and their interpretation to gather background data for reports and briefings
72	Knowledge of human capital management
73	Knowledge of training and qualification systems
74	Knowledge of wildland fire computer applications
75	Knowledge of dispatch computer applications

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76	Knowledge of safety reporting systems
77	Knowledge of facility security
78	Knowledge of search and rescue
79	Knowledge of emergency medical services
80	Knowledge of natural and human caused disasters
81	Knowledge of vehicle and structure fires
82	Knowledge of hazmat
83	Knowledge of national response framework
84	Knowledge of emergency medical dispatch
85	Knowledge of telecommunication systems
86	Knowledge of networks and databases
87	Knowledge of officer safety
88	Knowledge of federal, state, tribal, local laws and ordinances
89	Knowledge of investigative support
90	Knowledge of alarm systems
91	Knowledge of broadcasting significant advisories
92	Knowledge of 911 systems and call taking
93	Knowledge of public safety answering point
94	Knowledge of records management, safeguarding sensitive information
95	Knowledge of fire danger rating systems
96	Knowledge of authoritative data sources
97	Knowledge of sit-209 application
98	Knowledge of remote automated weather stations
99	Knowledge of weather tracking systems
100	Knowledge of weather
101	Knowledge of fuel modeling
102	Knowledge of website content development and management
103	Knowledge of skill and use of computers and utilization of relational database relationship systems
104	Knowledge of firefighting organizations and terminology
105	Knowledge of firefighting techniques
106	Knowledge of firefighting resources used in wildland fire management
107	Knowledge of stress management techniques
108	Knowledge of logistic support systems
109	Knowledge of briefing packages to meet the needs of federal, tribal, and state agencies